

Return of Organization Exempt From Income Tax

2017

Open to Public Inspection

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)

- ▶ Do not enter social security numbers on this form as it may be made public.
- ▶ Go to www.irs.gov/Form990 for instructions and the latest information.

Department of the Treasury
Internal Revenue Service

A For the 2017 calendar year, or tax year beginning 01/01, 2017, and ending 12/31, 20 17

B Check if applicable:
 Address change
 Name change
 Initial return
 Final return/terminated
 Amended return
 Application pending

C Name of organization INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INT
 Doing business as IEEE
 Number and street (or P.O. box if mail is not delivered to street address) Room/suite
445 Hoes Lane
 City or town, state or province, country, and ZIP or foreign postal code
Piscataway, NJ, 08854-4141

D Employer identification number
13-1656633

E Telephone number
732-981-0060

G Gross receipts \$ 736,748,445

F Name and address of principal officer: Stephen Welby
445 Hoes Lane, Piscataway, NJ 08854-4141

H(a) Is this a group return for subordinates? Yes No
H(b) Are all subordinates included? Yes No
 If "No," attach a list. (see instructions)

I Tax-exempt status: 501(c)(3) 501(c) () ◀ (insert no.) 4947(a)(1) or 527

J Website: ▶ www.ieee.org

H(c) Group exemption number ▶ 2038

K Form of organization: Corporation Trust Association Other ▶

L Year of formation: 1896 **M** State of legal domicile: NY

Part I Summary

Activities & Governance	1	Briefly describe the organization's mission or most significant activities: <u>IEEE continues to inspire change and empower people across the globe. This is achieved by providing leadership and collaborating on a variety of technological issues (Continued on Schedule O, Statement 1)</u>		
	2	Check this box <input type="checkbox"/> if the organization discontinued its operations or disposed of more than 25% of its net assets.		
	3	Number of voting members of the governing body (Part VI, line 1a)	3	31
	4	Number of independent voting members of the governing body (Part VI, line 1b)	4	30
	5	Total number of individuals employed in calendar year 2017 (Part V, line 2a)	5	1,366
	6	Total number of volunteers (estimate if necessary)	6	100,000
	7a	Total unrelated business revenue from Part VIII, column (C), line 12	7a	11,632,323
b	Net unrelated business taxable income from Form 990-T, line 34	7b	0	
Revenue	8	Contributions and grants (Part VIII, line 1h)	Prior Year 2,798,660	Current Year 4,085,277
	9	Program service revenue (Part VIII, line 2g)	442,126,092	443,953,741
	10	Investment income (Part VIII, column (A), lines 3, 4, and 7d)	19,900,751	24,385,777
	11	Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	17,824,813	21,968,163
	12	Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)	482,650,316	494,392,958
Expenses	13	Grants and similar amounts paid (Part IX, column (A), lines 1–3)	5,046,750	5,946,097
	14	Benefits paid to or for members (Part IX, column (A), line 4)	0	0
	15	Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)	167,586,160	169,423,070
	16a	Professional fundraising fees (Part IX, column (A), line 11e)	0	0
	b	Total fundraising expenses (Part IX, column (D), line 25) ▶ <u>1,520,076</u>		
	17	Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e)	289,276,681	284,957,553
	18	Total expenses. Add lines 13–17 (must equal Part IX, column (A), line 25)	461,909,591	460,326,720
19	Revenue less expenses. Subtract line 18 from line 12	20,740,725	34,066,238	
Net Assets or Fund Balances	20	Total assets (Part X, line 16)	Beginning of Current Year 587,950,349	End of Year 660,496,876
	21	Total liabilities (Part X, line 26)	240,241,105	245,474,763
	22	Net assets or fund balances. Subtract line 21 from line 20	347,709,244	415,022,113

Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

Sign Here

Signature of officer Thomas R Siegert Date 10/31/2018
Thomas R Siegert, Asst. Treasurer & CFO
 Type or print name and title

Paid Preparer Use Only

Print/Type preparer's name Preparer's signature Date Check if self-employed PTIN

Firm's name ▶ Firm's EIN ▶
 Firm's address ▶ Phone no.

May the IRS discuss this return with the preparer shown above? (see instructions) Yes No

Part III Statement of Program Service Accomplishments

Check if Schedule O contains a response or note to any line in this Part III

1 Briefly describe the organization's mission:

MISSION STATEMENT: IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

VISION STATEMENT: IEEE will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions.

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ? Yes No

If "Yes," describe these new services on Schedule O.

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services? Yes No

If "Yes," describe these changes on Schedule O.

4 Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses. Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported.

4a (Code:) (Expenses \$ 98,624,932 including grants of \$ 5,337,033) (Revenue \$ 53,932,547)

MEMBERSHIPS & PUBLIC IMPERATIVES - IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. In 2017 IEEE memberships exceeded 417,400 in 160 countries worldwide; student memberships were over 120,000; IEEE society memberships exceeded 325,000; and women in engineering reached over 20,000 members, a 15% increase from 2016. Membership accounted for 12.2 percent of total revenues for 2017, and public imperatives 0.7 percent. IEEE Collabratec, the integrated online community that connects technology professionals, reached several milestones, it has over 120,000 registered users and grew 61% from 2016. In 2017, IEEE continues to make international connections with influential technology and industry leaders to identify different opportunities that can help impact the future of technology globally. Some of the notable accomplishments in 2017 include: 1) IEEE signed an agreement with the New Partnership for Africa's Development Planning and Coordinating Agency (NEPAD). NEPAD is the technical body of the African Union that facilitates and coordinates development of continent-wide programs and projects, mobilizes resources and engages the global community, regional economic communities and countries in implementing priority programs and projects; 2) the IEEE Technology Centre (Continued on Schedule O, Statement 2)

4b (Code:) (Expenses \$ 174,403,723 including grants of \$ 0) (Revenue \$ 176,016,286)

PERIODICALS - IEEE maintains its position as one of the top publishers of science and technology journals, continuing to be a trusted source for communicating quality technical information that will help inspire the next breakthrough technologies. Periodicals accounted for 42.4 percent of total revenues for 2017. The IEEE Xplore Digital Library is one of the world's largest collections of technical literature in engineering, computer science and related technologies with over 4 million documents available in its current vast repository. In 2017 IEEE Xplore expanded its content offerings, key additions include 365 ebooks in Telecom available through Wiley; 439 eBooks through NOW publishers; and 26 Journals through Oxford University Press; and visits to IEEE Xplore increased 30% over 2016. IEEE Access articles continue to be among the top 10 most popular articles on Xplore, based on monthly downloads. In 2017, IEEE Access received over 10,300 article submissions; published 2,776 articles; over 50,000 articles were published in IEEE journals or magazines, and eight new IEEE journals were published. IEEE Spectrum, the flagship magazine and website of IEEE, won five Merit Awards for cover design, story design, photography, and story illustration, at the 2017 Society of Publication Designers Competition. IEEE Spectrum also received two Neal Awards for Best (Continued on Schedule O, Statement 3)

4c (Code:) (Expenses \$ 134,091,391 including grants of \$ 609,064) (Revenue \$ 179,159,698)

CONFERENCES - In 2017 IEEE engaged more closely with the global community and increased the public's recognition of its leadership role. Conferences accounted for 36.7 percent of total revenues for 2017. Some of the notable events include: 1) in North America, IEEE hosted the first IEEE Industry Summit on the Future of Computing, featuring executives from Hewlett-Packard Labs, IBM and others discussing what types of innovations we might expect in the next century; 2) IEEE Sections Congress, held in Sydney, Australia, where more than 1,200 attendees from 97 countries, brought together volunteer leaders from around the world to network, collaborate and receive training on how to utilize the various resources at IEEE; 3) IEEE played a major part at SXSW, with its sixth annual IEEE Tech for Humanity Series. The 15-event series included panel sessions and topics, ranging from wearables to hearables, brain-computer interfaces to immersive user experiences, artificial intelligence (AI) to virtual reality / augmented reality (VR/AR) and virtual care to synthetic biology; 4) IEEE TechEthics Conference, held 13 October in Washington, D.C., featured luminaries in technology, philosophy, ethics, policy development and more. The highly interactive (Continued on Schedule O, Statement 4)

4d Other program services (Describe in Schedule O.) See Schedule O, Statement 5 (Expenses \$ 30,966,146 including grants of \$ 0) (Revenue \$ 31,475,776)

4e Total program service expenses ▶ 438,086,192

Part IV Checklist of Required Schedules

	Yes	No
1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? <i>If "Yes," complete Schedule A</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Is the organization required to complete <i>Schedule B, Schedule of Contributors</i> (see instructions)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? <i>If "Yes," complete Schedule C, Part I</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? <i>If "Yes," complete Schedule C, Part II</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? <i>If "Yes," complete Schedule C, Part III</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? <i>If "Yes," complete Schedule D, Part I</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? <i>If "Yes," complete Schedule D, Part II</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? <i>If "Yes," complete Schedule D, Part III</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9 Did the organization report an amount in Part X, line 21, for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X; or provide credit counseling, debt management, credit repair, or debt negotiation services? <i>If "Yes," complete Schedule D, Part IV</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? <i>If "Yes," complete Schedule D, Part V</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable.		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? <i>If "Yes," complete Schedule D, Part VI</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VII</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VIII</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part IX</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? <i>If "Yes," complete Schedule D, Part X</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12 a Did the organization obtain separate, independent audited financial statements for the tax year? <i>If "Yes," complete Schedule D, Parts XI and XII</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b Was the organization included in consolidated, independent audited financial statements for the tax year? <i>If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13 Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14 a Did the organization maintain an office, employees, or agents outside of the United States?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? <i>If "Yes," complete Schedule F, Parts I and IV.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? <i>If "Yes," complete Schedule F, Parts II and IV</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? <i>If "Yes," complete Schedule F, Parts III and IV.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? <i>If "Yes," complete Schedule G, Part I (see instructions)</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? <i>If "Yes," complete Schedule G, Part II</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? <i>If "Yes," complete Schedule G, Part III</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Part IV Checklist of Required Schedules (continued)

	Yes	No
20 a Did the organization operate one or more hospital facilities? <i>If "Yes," complete Schedule H</i>		✓
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?		
21 Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II</i>	✓	
22 Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III</i>	✓	
23 Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J</i>	✓	
24a Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a</i>		✓
b Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?		
c Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?		
d Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?		
25a Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I</i>		✓
b Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I</i>		✓
26 Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? <i>If "Yes," complete Schedule L, Part II</i>		✓
27 Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III</i>		✓
28 Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):		
a A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>		✓
b A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>	✓	
c An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV</i>		✓
29 Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i>		✓
30 Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M</i>	✓	
31 Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i>		✓
32 Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i>		✓
33 Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I</i>	✓	
34 Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1</i>	✓	
35a Did the organization have a controlled entity within the meaning of section 512(b)(13)?	✓	
b If "Yes" to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2</i>	✓	
36 Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i>		✓
37 Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI</i>		✓
38 Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? Note. All Form 990 filers are required to complete Schedule O.	✓	

Part V Statements Regarding Other IRS Filings and Tax Compliance

Check if Schedule O contains a response or note to any line in this Part V

		Yes	No
1a	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable		
	1a 980		
b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable		
	1b 0		
c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?	✓	
2a	Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return		
	2a 1366		
b	If at least one is reported on line 2a, did the organization file all required federal employment tax returns? Note. If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions)	✓	
3a	Did the organization have unrelated business gross income of \$1,000 or more during the year?	✓	
b	If "Yes," has it filed a Form 990-T for this year? If "No" to line 3b, provide an explanation in Schedule O	✓	
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?	✓	
b	If "Yes," enter the name of the foreign country: ▶ <u>See Schedule O, Statement 6</u> See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR).		
5a	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?		✓
b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?		✓
c	If "Yes" to line 5a or 5b, did the organization file Form 8886-T?		
6a	Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions?		✓
b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?		
7	Organizations that may receive deductible contributions under section 170(c).		
a	Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor?		✓
b	If "Yes," did the organization notify the donor of the value of the goods or services provided?		
c	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?		✓
d	If "Yes," indicate the number of Forms 8282 filed during the year		
	7d		
e	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?		✓
f	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?		✓
g	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?		✓
h	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?		✓
8	Sponsoring organizations maintaining donor advised funds. Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during the year?		
9	Sponsoring organizations maintaining donor advised funds.		
a	Did the sponsoring organization make any taxable distributions under section 4966?		
b	Did the sponsoring organization make a distribution to a donor, donor advisor, or related person?		
10	Section 501(c)(7) organizations. Enter:		
a	Initiation fees and capital contributions included on Part VIII, line 12	10a	
b	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities	10b	
11	Section 501(c)(12) organizations. Enter:		
a	Gross income from members or shareholders	11a	
b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them.)	11b	
12a	Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?	12a	
b	If "Yes," enter the amount of tax-exempt interest received or accrued during the year	12b	
13	Section 501(c)(29) qualified nonprofit health insurance issuers.		
a	Is the organization licensed to issue qualified health plans in more than one state? Note. See the instructions for additional information the organization must report on Schedule O.	13a	
b	Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans	13b	
c	Enter the amount of reserves on hand	13c	
14a	Did the organization receive any payments for indoor tanning services during the tax year?	14a	✓
b	If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O	14b	

Part VI Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No" response to line 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions. Check if Schedule O contains a response or note to any line in this Part VI

Section A. Governing Body and Management

		Yes	No
1a	Enter the number of voting members of the governing body at the end of the tax year If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O.	31	
b	Enter the number of voting members included in line 1a, above, who are independent	30	
2	Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?		<input checked="" type="checkbox"/>
3	Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors, or trustees, or key employees to a management company or other person?		<input checked="" type="checkbox"/>
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?		<input checked="" type="checkbox"/>
5	Did the organization become aware during the year of a significant diversion of the organization's assets?		<input checked="" type="checkbox"/>
6	Did the organization have members or stockholders?	<input checked="" type="checkbox"/>	
7a	Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?	<input checked="" type="checkbox"/>	
b	Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?	<input checked="" type="checkbox"/>	
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:		
a	The governing body?	<input checked="" type="checkbox"/>	
b	Each committee with authority to act on behalf of the governing body?	<input checked="" type="checkbox"/>	
9	Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O		<input checked="" type="checkbox"/>

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code.)

		Yes	No
10a	Did the organization have local chapters, branches, or affiliates?	<input checked="" type="checkbox"/>	
b	If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?	<input checked="" type="checkbox"/>	
11a	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	<input checked="" type="checkbox"/>	
b	Describe in Schedule O the process, if any, used by the organization to review this Form 990.		
12a	Did the organization have a written conflict of interest policy? If "No," go to line 13	<input checked="" type="checkbox"/>	
b	Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	<input checked="" type="checkbox"/>	
c	Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	<input checked="" type="checkbox"/>	
13	Did the organization have a written whistleblower policy?	<input checked="" type="checkbox"/>	
14	Did the organization have a written document retention and destruction policy?	<input checked="" type="checkbox"/>	
15	Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?		
a	The organization's CEO, Executive Director, or top management official	<input checked="" type="checkbox"/>	
b	Other officers or key employees of the organization	<input checked="" type="checkbox"/>	
	If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions).		
16a	Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?		<input checked="" type="checkbox"/>
b	If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?		

Section C. Disclosure

- 17** List the states with which a copy of this Form 990 is required to be filed ► **See Schedule O, Statement 7**
- 18** Section 6104 requires an organization to make its Forms 1023 (or 1024 if applicable), 990, and 990-T (Section 501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply.
 Own website Another's website Upon request Other (explain in Schedule O)
- 19** Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year.
- 20** State the name, address, and telephone number of the person who possesses the organization's books and records: ►
Controller, (732)981-0060

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

Check if Schedule O contains a response or note to any line in this Part VII

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

1a Complete this table for all persons required to be listed. Report compensation for the calendar year ending with or within the organization's tax year.

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
- List all of the organization's **current** key employees, if any. See instructions for definition of "key employee."
- List the organization's five **current** highest compensated employees (other than an officer, director, trustee, or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.
- List all of the organization's **former** officers, key employees, and highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
- List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.

List persons in the following order: individual trustees or directors; institutional trustees; officers; key employees; highest compensated employees; and former such persons.

Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee.

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
Karen Bartleson ----- IEEE President & CEO	10 ----- 0			✓	✓			171,000	0	0
James A Jefferies ----- IEEE President-Elect	10 ----- 0	✓		✓				0	0	0
Barry L Shoop ----- IEEE Past President	10 ----- 0	✓		✓				0	0	0
William P Walsh ----- Director & Secretary	10 ----- 0	✓		✓				0	0	0
John W Walz ----- Director & Treasurer	10 ----- 0	✓		✓				0	0	0
SK Ramesh ----- Director & Vice President, Educational Activities	10 ----- 0	✓		✓				0	0	0
Samir M El-Ghazaly ----- Director & Vice President, Publication Services and	10 ----- 0	✓		✓				0	0	0
Mary Ellen Randall ----- Director & Vice President, Member and Geographic	10 ----- 0	✓		✓				0	0	0
Forrest D Wright ----- Director & President, Standards Association	10 ----- 0	✓		✓				0	0	0
Marina Ruggieri ----- Director & Vice President, Technical Activities	10 ----- 0	✓		✓				0	0	0
Karen S Pedersen ----- Director & President IEEE-USA	10 ----- 0	✓		✓				0	0	0
Ronald A Tabroff ----- Director & Delegate, Region 1	5 ----- 0	✓						0	0	0
Katherine J Duncan ----- Director & Delegate, Region 2	5 ----- 0	✓						0	0	0
James M Conrad ----- Director & Delegate, Region 3	5 ----- 0	✓						0	0	0

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
Bernard T Sander	5									
Director & Delegate, Region 4	0	✓					0	0	0	
Francis B Grosz Jr	5									
Director & Delegate, Region 5	0	✓					0	0	0	
Kathleen Kramer	5									
Director & Delegate, Region 6	0	✓					0	0	0	
Witold M Kinsner	5									
Director & Delegate, Region 7	0	✓					0	0	0	
Margaretha A Eriksson	5									
Director & Delegate, Region 8	0	✓					0	0	0	
Antonio C Ferreira	5									
Director & Delegate, Region 9	0	✓					0	0	0	
Kukjin Chun	5									
Director & Delegate, Region 10	0	✓					0	0	0	
Maciej Ogorzalek	5									
Director & Delegate, Division I	0	✓					0	0	0	
FD Don Tan	5									
Director & Delegate, Division II	0	✓					0	0	0	
Celia L Desmond	5									
Director & Delegate, Division III	0	✓					0	0	0	
Jennifer T Bernhard	5									
Director & Delegate, Division IV	0	✓					0	0	0	
Harold Javid	5									
Director & Delegate, Division V	0	✓					0	0	0	
John Y Hung	5									
Director & Delegate, Division VI	0	✓					0	0	0	
Alan C Rotz	5									
Director & Delegate, Division VII	0	✓					0	0	0	

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
Dejan Milojicic	5									
Director & Delegate, Division VIII	0	✓					0	0	0	
Ray Liu	5									
Director & Delegate, Division IX	0	✓					0	0	0	
Toshio Fukuda	5									
Director & Delegate, Division X	0	✓					0	0	0	
E James Prendergast	40									
Assistant Secretary & Executive Director	0			✓			889,016	0	224,640	
Thomas R Siegert	40									
Assistant Treasurer, Staff Executive & CFO	1			✓			550,756	0	45,276	
Mary Ward-Callan	40									
Managing Director - Technical Activities	0				✓		477,899	0	47,555	
Michael B Forster	40									
Managing Director - Publications	0				✓		389,810	0	29,465	
Donna Hourican	40									
Staff Executive Corporate Activities	0				✓		350,627	0	38,751	
Karen L Hawkins	40									
Chief Marketing Officer	0				✓		315,156	0	48,755	
Cherif Amirat	40									
Chief Information Officer	0				✓		389,273	0	40,434	
Eileen M Lach	40									
General Counsel & CCO	0					✓	593,868	0	44,711	
Konstantinos Karachalios	40									
Managing Director - IEEE Standards	0					✓	450,918	0	36,075	
Emily Csernica	40									
Director North America Sales	0					✓	411,620	0	29,003	
Jean Jennings	40									
Director - International Sales	0					✓	382,317	0	42,510	

Part VIII Statement of Revenue

Check if Schedule O contains a response or note to any line in this Part VIII

				(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514	
Contributions, Gifts, Grants and Other Similar Amounts	1a	Federated campaigns	1a	0				
	b	Membership dues	1b	0				
	c	Fundraising events	1c	0				
	d	Related organizations	1d	3,532,375				
	e	Government grants (contributions)	1e	509,492				
	f	All other contributions, gifts, grants, and similar amounts not included above	1f	43,410				
	g	Noncash contributions included in lines 1a-1f: \$		0				
	h	Total. Add lines 1a-1f		4,085,277				
Program Service Revenue				Business Code				
	2a	Membership Dues & Public Imperatives	900099	54,045,832	53,932,547	113,285	0	
	b	Periodicals	900099	179,269,685	176,016,286	3,253,399	0	
	c	Conference Revenue	900099	179,162,448	179,159,698	2,750	0	
	d	Standards Revenue	900099	31,163,073	31,163,073	0	0	
	e	Other Program Service Income	900099	312,703	312,703	0	0	
	f	All other program service revenue		0	0	0	0	
g	Total. Add lines 2a-2f		443,953,741					
Other Revenue	3	Investment income (including dividends, interest, and other similar amounts)		10,464,770	0	0	10,464,770	
	4	Income from investment of tax-exempt bond proceeds		0	0	0	0	
	5	Royalties		17,511,584	0	3,872,310	13,639,274	
	6a	Gross rents	(i) Real	66,000	0			
			(ii) Personal	0	0			
				0	0			
	b	Less: rental expenses		0	0			
	c	Rental income or (loss)		66,000	0			
	d	Net rental income or (loss)		66,000	0	0	66,000	
	7a	Gross amount from sales of assets other than inventory	(i) Securities	256,276,494	0			
			(ii) Other	0	0			
				242,355,487	0			
				13,921,007	0			
	b	Less: cost or other basis and sales expenses		242,355,487	0			
	c	Gain or (loss)		13,921,007	0			
d	Net gain or (loss)		13,921,007	0	0	13,921,007		
8a	Gross income from fundraising events (not including \$ 0 of contributions reported on line 1c). See Part IV, line 18	a	0					
		b	0					
			0					
b	Less: direct expenses		0					
c	Net income or (loss) from fundraising events		0		0	0		
9a	Gross income from gaming activities. See Part IV, line 19	a	0					
		b	0					
			0					
b	Less: direct expenses		0					
c	Net income or (loss) from gaming activities		0	0	0	0		
10a	Gross sales of inventory, less returns and allowances	a	0					
		b	0					
			0					
b	Less: cost of goods sold		0					
c	Net income or (loss) from sales of inventory		0	0	0	0		
Miscellaneous Revenue			Business Code					
11a	Standards - Alliance Mgmt Support	900099	2,573,069	0	2,573,069	0		
b	Engineering Certification Programs	541900	58,739	0	58,739	0		
c	InterCompany Interest Income	900099	1,655,267	0	1,655,267	0		
d	All other revenue		103,504	0	103,504	0		
e	Total. Add lines 11a-11d		4,390,579					
12	Total revenue. See instructions		494,392,958	440,584,307	11,632,323	38,091,051		

Part IX Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).

Check if Schedule O contains a response or note to any line in this Part IX

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.

	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1 Grants and other assistance to domestic organizations and domestic governments. See Part IV, line 21 . . .	3,912,082	3,912,082		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	872,672	872,672		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16	1,161,343	1,161,343		
4 Benefits paid to or for members	0	0		
5 Compensation of current officers, directors, trustees, and key employees	3,837,413	3,486,786	350,627	0
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0	0	0	0
7 Other salaries and wages	127,742,606	123,346,800	3,483,621	912,185
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	11,345,655	9,776,950	1,464,754	103,951
9 Other employee benefits	14,433,041	13,831,118	493,535	108,388
10 Payroll taxes	12,064,355	11,662,388	332,267	69,700
11 Fees for services (non-employees):				
a Management	0	0	0	0
b Legal	1,375,283	1,375,283	0	0
c Accounting	868,033	833,381	34,652	0
d Lobbying	0	0	0	0
e Professional fundraising services. See Part IV, line 17	0			0
f Investment management fees	1,598,555	1,598,555	0	0
g Other. (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O.)	29,980,004	28,233,622	1,725,907	20,475
12 Advertising and promotion	7,170,027	6,738,144	372,919	58,964
13 Office expenses	13,923,798	12,938,282	919,562	65,954
14 Information technology	16,767,299	16,531,795	232,482	3,022
15 Royalties	13,511,507	13,511,507	0	0
16 Occupancy	6,743,725	775,134	5,940,591	28,000
17 Travel	24,084,596	21,640,088	2,361,990	82,518
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	0	0	0	0
19 Conferences, conventions, and meetings	94,955,242	94,592,131	363,111	0
20 Interest	495,753	495,753	0	0
21 Payments to affiliates	0	0	0	0
22 Depreciation, depletion, and amortization	11,265,923	9,116,728	2,146,205	2,990
23 Insurance	1,094,075	739,773	354,302	0
24 Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a Printing & Publications	31,909,566	31,847,681	37,760	24,125
b Commission Expense	21,204,890	21,201,770	3,120	0
c Members & Regional Expense	4,818,249	4,306,776	511,460	13
d Bad Debts & Cash Discounts	2,770,581	2,770,579	0	2
e All other expenses	420,447	789,071	-408,413	39,789
25 Total functional expenses. Add lines 1 through 24e	460,326,720	438,086,192	20,720,452	1,520,076
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720)				

Part X Balance Sheet

Check if Schedule O contains a response or note to any line in this Part X

		(A)		(B)
		Beginning of year		End of year
Assets	1 Cash—non-interest-bearing	13,375,255	1	11,377,053
	2 Savings and temporary cash investments	46,892,400	2	68,010,200
	3 Pledges and grants receivable, net	308,218	3	326,517
	4 Accounts receivable, net	74,936,750	4	80,098,247
	5 Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L	0	5	
	6 Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions). Complete Part II of Schedule L	0	6	
	7 Notes and loans receivable, net	0	7	
	8 Inventories for sale or use	188,835	8	115,241
	9 Prepaid expenses and deferred charges	17,403,728	9	18,213,844
	10a Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a 141,116,169		
	b Less: accumulated depreciation	10b 102,141,432	10c	38,974,737
	11 Investments—publicly traded securities	393,332,273	11	443,049,252
	12 Investments—other securities. See Part IV, line 11	0	12	0
	13 Investments—program-related. See Part IV, line 11	0	13	
	14 Intangible assets	0	14	
	15 Other assets. See Part IV, line 11	0	15	331,785
16 Total assets. Add lines 1 through 15 (must equal line 34)	587,950,349	16	660,496,876	
Liabilities	17 Accounts payable and accrued expenses	81,050,329	17	79,212,768
	18 Grants payable	0	18	
	19 Deferred revenue	118,541,696	19	120,826,641
	20 Tax-exempt bond liabilities	0	20	
	21 Escrow or custodial account liability. Complete Part IV of Schedule D	0	21	
	22 Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L	0	22	
	23 Secured mortgages and notes payable to unrelated third parties	0	23	
	24 Unsecured notes and loans payable to unrelated third parties	0	24	
	25 Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24). Complete Part X of Schedule D	40,649,080	25	45,435,354
	26 Total liabilities. Add lines 17 through 25	240,241,105	26	245,474,763
Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.			
	27 Unrestricted net assets	345,942,644	27	413,149,113
	28 Temporarily restricted net assets	1,575,200	28	1,681,600
	29 Permanently restricted net assets	191,400	29	191,400
	Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 30 through 34.			
	30 Capital stock or trust principal, or current funds		30	
	31 Paid-in or capital surplus, or land, building, or equipment fund		31	
	32 Retained earnings, endowment, accumulated income, or other funds		32	
33 Total net assets or fund balances	347,709,244	33	415,022,113	
34 Total liabilities and net assets/fund balances	587,950,349	34	660,496,876	

Part XI Reconciliation of Net Assets

Check if Schedule O contains a response or note to any line in this Part XI

1	Total revenue (must equal Part VIII, column (A), line 12)	1	494,392,958
2	Total expenses (must equal Part IX, column (A), line 25)	2	460,326,720
3	Revenue less expenses. Subtract line 2 from line 1	3	34,066,238
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	347,709,244
5	Net unrealized gains (losses) on investments	5	33,246,631
6	Donated services and use of facilities	6	0
7	Investment expenses	7	0
8	Prior period adjustments	8	0
9	Other changes in net assets or fund balances (explain in Schedule O)	9	0
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	415,022,113

Part XII Financial Statements and Reporting

Check if Schedule O contains a response or note to any line in this Part XII

- 1** Accounting method used to prepare the Form 990: Cash Accrual Other _____
 If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O.
- 2a** Were the organization's financial statements compiled or reviewed by an independent accountant?
 If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both:
 Separate basis Consolidated basis Both consolidated and separate basis
- b** Were the organization's financial statements audited by an independent accountant?
 If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both:
 Separate basis Consolidated basis Both consolidated and separate basis
- c** If "Yes" to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant?
 If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O.
- 3a** As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?
- b** If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits.

	Yes	No
2a		✓
2b	✓	
2c	✓	
3a		✓
3b		

SCHEDULE A
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Public Charity Status and Public Support

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.

▶ Attach to Form 990 or Form 990-EZ.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017

Open to Public Inspection

Name of the organization **INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC** Employer identification number **13-1656633**

Part I Reason for Public Charity Status (All organizations must complete this part.) See instructions.

The organization is not a private foundation because it is: (For lines 1 through 12, check only one box.)

- 1 A church, convention of churches, or association of churches described in **section 170(b)(1)(A)(i)**.
- 2 A school described in **section 170(b)(1)(A)(ii)**. (Attach Schedule E (Form 990 or 990-EZ).)
- 3 A hospital or a cooperative hospital service organization described in **section 170(b)(1)(A)(iii)**.
- 4 A medical research organization operated in conjunction with a hospital described in **section 170(b)(1)(A)(iii)**. Enter the hospital's name, city, and state:
- 5 An organization operated for the benefit of a college or university owned or operated by a governmental unit described in **section 170(b)(1)(A)(iv)**. (Complete Part II.)
- 6 A federal, state, or local government or governmental unit described in **section 170(b)(1)(A)(v)**.
- 7 An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in **section 170(b)(1)(A)(vi)**. (Complete Part II.)
- 8 A community trust described in **section 170(b)(1)(A)(vi)**. (Complete Part II.)
- 9 An agricultural research organization described in **section 170(b)(1)(A)(ix)** operated in conjunction with a land-grant college or university or a non-land-grant college of agriculture (see instructions). Enter the name, city, and state of the college or university:
- 10 An organization that normally receives: (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions—subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975. See **section 509(a)(2)**. (Complete Part III.)
- 11 An organization organized and operated exclusively to test for public safety. See **section 509(a)(4)**.
- 12 An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in **section 509(a)(1)** or **section 509(a)(2)**. See **section 509(a)(3)**. Check the box in lines 12a through 12d that describes the type of supporting organization and complete lines 12e, 12f, and 12g.
 - a **Type I.** A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization. **You must complete Part IV, Sections A and B.**
 - b **Type II.** A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s). **You must complete Part IV, Sections A and C.**
 - c **Type III functionally integrated.** A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions). **You must complete Part IV, Sections A, D, and E.**
 - d **Type III non-functionally integrated.** A supporting organization operated in connection with its supported organization(s) that is not functionally integrated. The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions). **You must complete Part IV, Sections A and D, and Part V.**
 - e Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization.
 - f Enter the number of supported organizations
 - g Provide the following information about the supported organization(s).

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1–10 above (see instructions))	(iv) Is the organization listed in your governing document?		(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)
			Yes	No		
(A)						
(B)						
(C)						
(D)						
(E)						
Total						

Part II Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)

(Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ►	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")						
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
3 The value of services or facilities furnished by a governmental unit to the organization without charge						
4 Total. Add lines 1 through 3						
5 The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f)						
6 Public support. Subtract line 5 from line 4						

Section B. Total Support

Calendar year (or fiscal year beginning in) ►	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
7 Amounts from line 4						
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources						
9 Net income from unrelated business activities, whether or not the business is regularly carried on						
10 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						
11 Total support. Add lines 7 through 10						
12 Gross receipts from related activities, etc. (see instructions)					12	
13 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here						<input type="checkbox"/>

Section C. Computation of Public Support Percentage

14 Public support percentage for 2017 (line 6, column (f) divided by line 11, column (f))	14	%
15 Public support percentage from 2016 Schedule A, Part II, line 14	15	%
16a 33 1/3% support test—2017. If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization		<input type="checkbox"/>
b 33 1/3% support test—2016. If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization		<input type="checkbox"/>
17a 10%-facts-and-circumstances test—2017. If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization		<input type="checkbox"/>
b 10%-facts-and-circumstances test—2016. If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization		<input type="checkbox"/>
18 Private foundation. If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions		<input type="checkbox"/>

Part III Support Schedule for Organizations Described in Section 509(a)(2)

(Complete only if you checked the box on line 10 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")	1,981,284	2,040,254	2,285,419	2,798,660	4,085,277	13,190,894
2 Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose	404,342,559	417,980,972	423,081,141	442,126,092	440,584,307	2,128,115,071
3 Gross receipts from activities that are not an unrelated trade or business under section 513	0	0	0	0	0	0
4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf	0	0	0	0	0	0
5 The value of services or facilities furnished by a governmental unit to the organization without charge	0	0	0	0	0	0
6 Total. Add lines 1 through 5	406,323,843	420,021,226	425,366,560	444,924,752	444,669,584	2,141,305,965
7a Amounts included on lines 1, 2, and 3 received from disqualified persons	0	0	0	0	0	0
b Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year	0	0	0	0	0	0
c Add lines 7a and 7b	0	0	0	0	0	0
8 Public support. (Subtract line 7c from line 6.)						2,141,305,965

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
9 Amounts from line 6	406,323,843	420,021,226	425,366,560	444,924,752	444,669,584	2,141,305,965
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources	9,573,680	20,486,232	20,943,031	21,005,160	24,170,044	96,178,147
b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975	0	0	0	0	0	0
c Add lines 10a and 10b	9,573,680	20,486,232	20,943,031	21,005,160	24,170,044	96,178,147
11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on	0	0	0	0	0	0
12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)	0	0	0	0	0	0
13 Total support. (Add lines 9, 10c, 11, and 12.)	415,897,523	440,507,458	446,309,591	465,929,912	468,839,628	2,237,484,112
14 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here ▶ <input type="checkbox"/>						

Section C. Computation of Public Support Percentage

15 Public support percentage for 2017 (line 8, column (f) divided by line 13, column (f))	15	95.7 %
16 Public support percentage from 2016 Schedule A, Part III, line 15	16	96.21 %

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2017 (line 10c, column (f) divided by line 13, column (f))	17	4.3 %
18 Investment income percentage from 2016 Schedule A, Part III, line 17	18	3.79 %

- 19a 33 1/3% support tests—2017.** If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization . ▶
- b 33 1/3% support tests—2016.** If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3%, and line 18 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization ▶
- 20 Private foundation.** If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions ▶

Part IV Supporting Organizations

(Complete only if you checked a box in line 12 on Part I. If you checked 12a of Part I, complete Sections A and B. If you checked 12b of Part I, complete Sections A and C. If you checked 12c of Part I, complete Sections A, D, and E. If you checked 12d of Part I, complete Sections A and D, and complete Part V.)

Section A. All Supporting Organizations

	Yes	No
1 Are all of the organization's supported organizations listed by name in the organization's governing documents? <i>If "No," describe in Part VI how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain.</i>		
2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? <i>If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2).</i>		
3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? <i>If "Yes," answer (b) and (c) below.</i>		
b Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? <i>If "Yes," describe in Part VI when and how the organization made the determination.</i>		
c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? <i>If "Yes," explain in Part VI what controls the organization put in place to ensure such use.</i>		
4a Was any supported organization not organized in the United States ("foreign supported organization")? <i>If "Yes," and if you checked 12a or 12b in Part I, answer (b) and (c) below.</i>		
b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? <i>If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations.</i>		
c Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? <i>If "Yes," explain in Part VI what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes.</i>		
5a Did the organization add, substitute, or remove any supported organizations during the tax year? <i>If "Yes," answer (b) and (c) below (if applicable). Also, provide detail in Part VI, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed; (ii) the reasons for each such action; (iii) the authority under the organization's organizing document authorizing such action; and (iv) how the action was accomplished (such as by amendment to the organizing document).</i>		
b Type I or Type II only. Was any added or substituted supported organization part of a class already designated in the organization's organizing document?		
c Substitutions only. Was the substitution the result of an event beyond the organization's control?		
6 Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? <i>If "Yes," provide detail in Part VI.</i>		
7 Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).</i>		
8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).</i>		
9a Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? <i>If "Yes," provide detail in Part VI.</i>		
b Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? <i>If "Yes," provide detail in Part VI.</i>		
c Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? <i>If "Yes," provide detail in Part VI.</i>		
10a Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? <i>If "Yes," answer 10b below.</i>		
b Did the organization have any excess business holdings in the tax year? <i>(Use Schedule C, Form 4720, to determine whether the organization had excess business holdings.)</i>		

Part IV Supporting Organizations (continued)

		Yes	No
11	Has the organization accepted a gift or contribution from any of the following persons?		
a	A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization?	11a	
b	A family member of a person described in (a) above?	11b	
c	A 35% controlled entity of a person described in (a) or (b) above? <i>If "Yes" to a, b, or c, provide detail in Part VI.</i>	11c	

Section B. Type I Supporting Organizations

		Yes	No
1	Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? <i>If "No," describe in Part VI how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year.</i>	1	
2	Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? <i>If "Yes," explain in Part VI how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised, or controlled the supporting organization.</i>	2	

Section C. Type II Supporting Organizations

		Yes	No
1	Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? <i>If "No," describe in Part VI how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).</i>	1	

Section D. All Type III Supporting Organizations

		Yes	No
1	Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?	1	
2	Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization(s) or (ii) serving on the governing body of a supported organization? <i>If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).</i>	2	
3	By reason of the relationship described in (2), did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? <i>If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.</i>	3	

Section E. Type III Functionally Integrated Supporting Organizations

1	Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions).		
a	<input type="checkbox"/> The organization satisfied the Activities Test. Complete line 2 below.		
b	<input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete line 3 below.		
c	<input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions).		
2	Activities Test. Answer (a) and (b) below.		
a	Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? <i>If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.</i>	2a	
b	Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? <i>If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.</i>	2b	
3	Parent of Supported Organizations. Answer (a) and (b) below.		
a	Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? <i>Provide details in Part VI.</i>	3a	
b	Did the organization exercise a substantial degree of direction over the policies, programs, and activities of each of its supported organizations? <i>If "Yes," describe in Part VI the role played by the organization in this regard.</i>	3b	

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations

- 1 Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov. 20, 1970 (explain in Part VI). See instructions. All other Type III non-functionally integrated supporting organizations must complete Sections A through E.

Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1	
2	Recoveries of prior-year distributions	2	
3	Other gross income (see instructions)	3	
4	Add lines 1 through 3.	4	
5	Depreciation and depletion	5	
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6	
7	Other expenses (see instructions)	7	
8	Adjusted Net Income (subtract lines 5, 6, and 7 from line 4).	8	
Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1 Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):			
a	Average monthly value of securities	1a	
b	Average monthly cash balances	1b	
c	Fair market value of other non-exempt-use assets	1c	
d	Total (add lines 1a, 1b, and 1c)	1d	
e Discount claimed for blockage or other factors (explain in detail in Part VI):			
2	Acquisition indebtedness applicable to non-exempt-use assets	2	
3	Subtract line 2 from line 1d.	3	
4	Cash deemed held for exempt use. Enter 1-1/2% of line 3 (for greater amount, see instructions).	4	
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5	
6	Multiply line 5 by .035.	6	
7	Recoveries of prior-year distributions	7	
8	Minimum Asset Amount (add line 7 to line 6)	8	
Section C - Distributable Amount			Current Year
1	Adjusted net income for prior year (from Section A, line 8, Column A)	1	
2	Enter 85% of line 1.	2	
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	3	
4	Enter greater of line 2 or line 3.	4	
5	Income tax imposed in prior year	5	
6	Distributable Amount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions).	6	
7	<input type="checkbox"/> Check here if the current year is the organization's first as a non-functionally integrated Type III supporting organization (see instructions).		

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations (continued)

Section D - Distributions	Current Year
1 Amounts paid to supported organizations to accomplish exempt purposes	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	
4 Amounts paid to acquire exempt-use assets	
5 Qualified set-aside amounts (prior IRS approval required)	
6 Other distributions (describe in Part VI). See instructions.	
7 Total annual distributions. Add lines 1 through 6.	
8 Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI). See instructions.	
9 Distributable amount for 2017 from Section C, line 6	
10 Line 8 amount divided by line 9 amount	

Section E - Distribution Allocations (see instructions)	(i) Excess Distributions	(ii) Underdistributions Pre-2017	(iii) Distributable Amount for 2017
1 Distributable amount for 2017 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2017 (reasonable cause required—explain in Part VI). See instructions.			
3 Excess distributions carryover, if any, to 2017			
a			
b From 2013			
c From 2014			
d From 2015			
e From 2016			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2017 distributable amount			
i Carryover from 2012 not applied (see instructions)			
j Remainder. Subtract lines 3g, 3h, and 3i from 3f.			
4 Distributions for 2017 from Section D, line 7: \$			
a Applied to underdistributions of prior years			
b Applied to 2017 distributable amount			
c Remainder. Subtract lines 4a and 4b from 4.			
5 Remaining underdistributions for years prior to 2017, if any. Subtract lines 3g and 4a from line 2. For result greater than zero, explain in Part VI . See instructions.			
6 Remaining underdistributions for 2017. Subtract lines 3h and 4b from line 1. For result greater than zero, explain in Part VI . See instructions.			
7 Excess distributions carryover to 2018. Add lines 3j and 4c.			
8 Breakdown of line 7:			
a Excess from 2013			
b Excess from 2014			
c Excess from 2015			
d Excess from 2016			
e Excess from 2017			

SCHEDULE C
(Form 990 or 990-EZ)

Political Campaign and Lobbying Activities

OMB No. 1545-0047

For Organizations Exempt From Income Tax Under section 501(c) and section 527

2017

Department of the Treasury
Internal Revenue Service

▶ **Complete if the organization is described below.** ▶ **Attach to Form 990 or Form 990-EZ.**
▶ **Go to www.irs.gov/Form990 for instructions and the latest information.**

Open to Public Inspection

If the organization answered "Yes," on Form 990, Part IV, line 3, or Form 990-EZ, Part V, line 46 (Political Campaign Activities), then

- Section 501(c)(3) organizations: Complete Parts I-A and B. Do not complete Part I-C.
- Section 501(c) (other than section 501(c)(3)) organizations: Complete Parts I-A and C below. Do not complete Part I-B.
- Section 527 organizations: Complete Part I-A only.

If the organization answered "Yes," on Form 990, Part IV, line 4, or Form 990-EZ, Part VI, line 47 (Lobbying Activities), then

- Section 501(c)(3) organizations that have filed Form 5768 (election under section 501(h)): Complete Part II-A. Do not complete Part II-B.
- Section 501(c)(3) organizations that have NOT filed Form 5768 (election under section 501(h)): Complete Part II-B. Do not complete Part II-A.

If the organization answered "Yes," on Form 990, Part IV, line 5 (Proxy Tax) (see separate instructions) or Form 990-EZ, Part V, line 35c (Proxy Tax) (see separate instructions), then

- Section 501(c)(4), (5), or (6) organizations: Complete Part III.

Name of organization INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC	Employer identification number 13-1656633
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Part I-A Complete if the organization is exempt under section 501(c) or is a section 527 organization.

- 1 Provide a description of the organization's direct and indirect political campaign activities in Part IV. (see instructions for definition of "political campaign activities")
- 2 Political campaign activity expenditures (see instructions) ▶ \$ _____
- 3 Volunteer hours for political campaign activities (see instructions)

Part I-B Complete if the organization is exempt under section 501(c)(3).

- 1 Enter the amount of any excise tax incurred by the organization under section 4955 ▶ \$ _____
- 2 Enter the amount of any excise tax incurred by organization managers under section 4955 . . . ▶ \$ _____
- 3 If the organization incurred a section 4955 tax, did it file Form 4720 for this year? Yes No
- 4a Was a correction made? Yes No
- b If "Yes," describe in Part IV.

Part I-C Complete if the organization is exempt under section 501(c), except section 501(c)(3).

- 1 Enter the amount directly expended by the filing organization for section 527 exempt function activities ▶ \$ _____
- 2 Enter the amount of the filing organization's funds contributed to other organizations for section 527 exempt function activities ▶ \$ _____
- 3 Total exempt function expenditures. Add lines 1 and 2. Enter here and on Form 1120-POL, line 17b ▶ \$ _____
- 4 Did the filing organization file **Form 1120-POL** for this year? Yes No
- 5 Enter the names, addresses and employer identification number (EIN) of all section 527 political organizations to which the filing organization made payments. For each organization listed, enter the amount paid from the filing organization's funds. Also enter the amount of political contributions received that were promptly and directly delivered to a separate political organization, such as a separate segregated fund or a political action committee (PAC). If additional space is needed, provide information in Part IV.

(a) Name	(b) Address	(c) EIN	(d) Amount paid from filing organization's funds. If none, enter -0-.	(e) Amount of political contributions received and promptly and directly delivered to a separate political organization. If none, enter -0-.
(1)				
(2)				
(3)				
(4)				
(5)				
(6)				

Part II-A Complete if the organization is exempt under section 501(c)(3) and filed Form 5768 (election under section 501(h)).

- A** Check if the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, expenses, and share of excess lobbying expenditures).
- B** Check if the filing organization checked box A and "limited control" provisions apply.

Limits on Lobbying Expenditures (The term "expenditures" means amounts paid or incurred.)		(a) Filing organization's totals	(b) Affiliated group totals												
1a	Total lobbying expenditures to influence public opinion (grass roots lobbying)	0													
b	Total lobbying expenditures to influence a legislative body (direct lobbying)	281,196													
c	Total lobbying expenditures (add lines 1a and 1b)	281,196													
d	Other exempt purpose expenditures	460,045,524													
e	Total exempt purpose expenditures (add lines 1c and 1d)	460,326,720													
f	Lobbying nontaxable amount. Enter the amount from the following table in both columns.	1,000,000													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">If the amount on line 1e, column (a) or (b) is:</th> <th style="text-align: left;">The lobbying nontaxable amount is:</th> </tr> </thead> <tbody> <tr> <td>Not over \$500,000</td> <td>20% of the amount on line 1e.</td> </tr> <tr> <td>Over \$500,000 but not over \$1,000,000</td> <td>\$100,000 plus 15% of the excess over \$500,000.</td> </tr> <tr> <td>Over \$1,000,000 but not over \$1,500,000</td> <td>\$175,000 plus 10% of the excess over \$1,000,000.</td> </tr> <tr> <td>Over \$1,500,000 but not over \$17,000,000</td> <td>\$225,000 plus 5% of the excess over \$1,500,000.</td> </tr> <tr> <td>Over \$17,000,000</td> <td>\$1,000,000.</td> </tr> </tbody> </table>		If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:	Not over \$500,000	20% of the amount on line 1e.	Over \$500,000 but not over \$1,000,000	\$100,000 plus 15% of the excess over \$500,000.	Over \$1,000,000 but not over \$1,500,000	\$175,000 plus 10% of the excess over \$1,000,000.	Over \$1,500,000 but not over \$17,000,000	\$225,000 plus 5% of the excess over \$1,500,000.	Over \$17,000,000	\$1,000,000.		
If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:														
Not over \$500,000	20% of the amount on line 1e.														
Over \$500,000 but not over \$1,000,000	\$100,000 plus 15% of the excess over \$500,000.														
Over \$1,000,000 but not over \$1,500,000	\$175,000 plus 10% of the excess over \$1,000,000.														
Over \$1,500,000 but not over \$17,000,000	\$225,000 plus 5% of the excess over \$1,500,000.														
Over \$17,000,000	\$1,000,000.														
g	Grassroots nontaxable amount (enter 25% of line 1f)	250,000													
h	Subtract line 1g from line 1a. If zero or less, enter -0-	0													
i	Subtract line 1f from line 1c. If zero or less, enter -0-	0													
j	If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year?		<input type="checkbox"/> Yes <input type="checkbox"/> No												

4-Year Averaging Period Under section 501(h)
 (Some organizations that made a section 501(h) election do not have to complete all of the five columns below.
 See the separate instructions for lines 2a through 2f.)

Lobbying Expenditures During 4-Year Averaging Period					
Calendar year (or fiscal year beginning in)	(a) 2014	(b) 2015	(c) 2016	(d) 2017	(e) Total
2a Lobbying nontaxable amount	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
b Lobbying ceiling amount (150% of line 2a, column (e))					6,000,000
c Total lobbying expenditures	217,153	353,664	245,300	281,196	1,097,313
d Grassroots nontaxable amount	250,000	250,000	250,000	250,000	1,000,000
e Grassroots ceiling amount (150% of line 2d, column (e))					1,500,000
f Grassroots lobbying expenditures	0	0	0	0	0

SCHEDULE D (Form 990)

Department of the Treasury Internal Revenue Service

Supplemental Financial Statements

Complete if the organization answered "Yes" on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b. Attach to Form 990.

Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017

Open to Public Inspection

Name of the organization: INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC; Employer identification number: 13-1656633

Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts. Complete if the organization answered "Yes" on Form 990, Part IV, line 6.

Table with 2 columns: (a) Donor advised funds, (b) Funds and other accounts. Rows include: 1 Total number at end of year, 2 Aggregate value of contributions to (during year), 3 Aggregate value of grants from (during year), 4 Aggregate value at end of year, 5 Did the organization inform all donors... Yes No, 6 Did the organization inform all grantees... Yes No

Part II Conservation Easements. Complete if the organization answered "Yes" on Form 990, Part IV, line 7.

Table with 2 columns: Held at the End of the Tax Year. Rows include: 1 Purpose(s) of conservation easements held by the organization, 2 Complete lines 2a through 2d if the organization held a qualified conservation contribution..., 3 Number of conservation easements modified..., 4 Number of states where property subject to conservation easement is located, 5 Does the organization have a written policy..., 6 Staff and volunteer hours..., 7 Amount of expenses..., 8 Does each conservation easement..., 9 In Part XIII, describe how the organization reports...

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets. Complete if the organization answered "Yes" on Form 990, Part IV, line 8.

Table with 2 columns: Revenue, Assets. Rows include: 1a If the organization elected, as permitted under SFAS 116..., 1b If the organization elected, as permitted under SFAS 116..., 2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain...

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets (continued)

- 3 Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply):
- a Public exhibition
 - b Scholarly research
 - c Preservation for future generations
 - d Loan or exchange programs
 - e Other
- 4 Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII.
- 5 During the year, did the organization solicit or receive donations of art, historical treasures, or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? Yes No

Part IV Escrow and Custodial Arrangements.

Complete if the organization answered "Yes" on Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

- 1a Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? Yes No
- b If "Yes," explain the arrangement in Part XIII and complete the following table:
- | | Amount |
|---------------------------------|--------|
| c Beginning balance | 1c |
| d Additions during the year | 1d |
| e Distributions during the year | 1e |
| f Ending balance | 1f |
- 2a Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability? Yes No
- b If "Yes," explain the arrangement in Part XIII. Check here if the explanation has been provided on Part XIII

Part V Endowment Funds.

Complete if the organization answered "Yes" on Form 990, Part IV, line 10.

	(a) Current year	(b) Prior year	(c) Two years back	(d) Three years back	(e) Four years back
1a Beginning of year balance					
b Contributions					
c Net investment earnings, gains, and losses					
d Grants or scholarships					
e Other expenditures for facilities and programs					
f Administrative expenses					
g End of year balance					

2 Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as:

- a Board designated or quasi-endowment > %
- b Permanent endowment > %
- c Temporarily restricted endowment > %

The percentages on lines 2a, 2b, and 2c should equal 100%.

3a Are there endowment funds not in the possession of the organization that are held and administered for the organization by:

- (i) unrelated organizations
- (ii) related organizations

	Yes	No
3a(i)		
3a(ii)		
3b		

b If "Yes" on line 3a(ii), are the related organizations listed as required on Schedule R?

4 Describe in Part XIII the intended uses of the organization's endowment funds.

Part VI Land, Buildings, and Equipment.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11a. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b) Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
1a Land	0	873,000		873,000
b Buildings	0	35,894,423	27,174,533	8,719,890
c Leasehold improvements	0	1,231,982	597,214	634,768
d Equipment	0	103,116,764	74,369,685	28,747,079
e Other	0	0	0	0
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10c.)				38,974,737

Part VII Investments—Other Securities.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11b. See Form 990, Part X, line 12.

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1) Financial derivatives		
(2) Closely-held equity interests		
(3) Other		
(A)		
(B)		
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 12.) ▶		

Part VIII Investments—Program Related.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11c. See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 13.) ▶		

Part IX Other Assets.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11d. See Form 990, Part X, line 15.

(a) Description	(b) Book value
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 15.) ▶	

Part X Other Liabilities.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11e or 11f. See Form 990, Part X, line 25.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	0
(2) Amounts held on behalf of IEEE Foundation	45,435,354
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 25.) ▶	

2. Liability for uncertain tax positions. In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740). Check here if the text of the footnote has been provided in Part XIII

Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return.

Complete if the organization answered "Yes" on Form 990, Part IV, line 12a.

1	Total revenue, gains, and other support per audited financial statements		1	552,707,587
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:			
a	Net unrealized gains (losses) on investments	2a	33,246,631	
b	Donated services and use of facilities	2b	0	
c	Recoveries of prior year grants	2c	0	
d	Other (Describe in Part XIII.)	2d	25,067,998	
e	Add lines 2a through 2d	2e		58,314,629
3	Subtract line 2e from line 1	3		494,392,958
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1:			
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	0	
b	Other (Describe in Part XIII.)	4b	0	
c	Add lines 4a and 4b	4c		0
5	Total revenue. Add lines 3 and 4c. (This must equal Form 990, Part I, line 12.)	5		494,392,958

Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.

Complete if the organization answered "Yes" on Form 990, Part IV, line 12a.

1	Total expenses and losses per audited financial statements		1	503,608,814
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:			
a	Donated services and use of facilities	2a	0	
b	Prior year adjustments	2b	0	
c	Other losses	2c	0	
d	Other (Describe in Part XIII.)	2d	43,282,094	
e	Add lines 2a through 2d	2e		43,282,094
3	Subtract line 2e from line 1	3		460,326,720
4	Amounts included on Form 990, Part IX, line 25, but not on line 1:			
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	0	
b	Other (Describe in Part XIII.)	4b	0	
c	Add lines 4a and 4b	4c		0
5	Total expenses. Add lines 3 and 4c. (This must equal Form 990, Part I, line 18.)	5		460,326,720

Part XIII Supplemental Information.

Provide the descriptions required for Part II, lines 3, 5, and 9; Part III, lines 1a and 4; Part IV, lines 1b and 2b; Part V, line 4; Part X, line 2; Part XI, lines 2d and 4b; and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

Schedule D, Part X, Line 2 - INCOME TAXES AND TAX STATUS - The Institute follows guidance that clarifies the accounting for uncertainty in tax positions taken or expected to be taken in a tax return, including issues relating to financial statement recognition and measurement. This section provides that the tax effects from an uncertain tax position can be recognized in the financial statements only if the position is "more-likely-than-not" to be sustained if the position were to be challenged by a taxing authority. The assessment of the tax position is based solely on the technical merits of the position, without regard to the likelihood that the tax position may be challenged. As of December 31, 2017 and 2016, management has determined that there are no significant uncertain tax positions that would require recognition or disclosure in the accompanying consolidated financial statements.

Schedule D, Part XI, Line 2d - Eliminations of entities that are not part of the Institute of Electrical and Electronics Engineers, Inc.'s Form 990 consolidated return.

Schedule D, Part XII, Line 2d - Eliminations of entities that are not part of the Institute of Electrical and Electronics Engineers, Inc.'s Form 990 consolidated return.

**SCHEDULE F
(Form 990)**

Statement of Activities Outside the United States

OMB No. 1545-0047

2017

**Open to Public
Inspection**

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 14b, 15, or 16.
▶ Attach to Form 990.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

Department of the Treasury
Internal Revenue Service

Name of the organization
INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

Employer identification number
13-1656633

Part I General Information on Activities Outside the United States. Complete if the organization answered "Yes" on Form 990, Part IV, line 14b.

1 For grantmakers. Does the organization maintain records to substantiate the amount of its grants and other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? Yes No

2 For grantmakers. Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance outside the United States.

3 Activities per Region. (The following Part I, line 3 table can be duplicated if additional space is needed.)

(a) Region	(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in the region	(d) Activities conducted in the region (by type) (such as, fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in the region	(f) Total expenditures for and investments in the region
(1) Sch F, Stmt 1					
(2)					
(3)					
(4)					
(5)					
(6)					
(7)					
(8)					
(9)					
(10)					
(11)					
(12)					
(13)					
(14)					
(15)					
(16)					
(17)					
3a Sub-total	1	2			41,534,625
b Total from continuation sheets to Part I		1			9,003,600
c Totals (add lines 3a and 3b)	2	3			50,538,225

Part II Grants and Other Assistance to Organizations or Entities Outside the United States. Complete if the organization answered "Yes" on Form 990, Part IV, line 15, for any recipient who received more than \$5,000. Part II can be duplicated if additional space is needed.

1	(a) Name of organization	(b) IRS code section and EIN (if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of noncash assistance	(h) Description of noncash assistance	(i) Method of valuation (book, FMV, appraisal, other)
(1)			Sch F, Stmt 2						
(2)									
(3)									
(4)									
(5)									
(6)									
(7)									
(8)									
(9)									
(10)									
(11)									
(12)									
(13)									
(14)									
(15)									
(16)									

2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as tax-exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter **21**

3 Enter total number of other organizations or entities **6**

Part III **Grants and Other Assistance to Individuals Outside the United States.** Complete if the organization answered "Yes" on Form 990, Part IV, line 16.
 Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Region	(c) Number of recipients	(d) Amount of cash grant	(e) Manner of cash disbursement	(f) Amount of noncash assistance	(g) Description of noncash assistance	(h) Method of valuation (book, FMV, appraisal, other)
(1) Sch F, Stmt 3							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							
(13)							
(14)							
(15)							
(16)							
(17)							
(18)							

Part IV Foreign Forms

- 1 Was the organization a U.S. transferor of property to a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 926, Return by a U.S. Transferor of Property to a Foreign Corporation (see Instructions for Form 926)* Yes No

- 2 Did the organization have an interest in a foreign trust during the tax year? *If "Yes," the organization may be required to separately file Form 3520, Annual Return To Report Transactions With Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A; don't file with Form 990)* Yes No

- 3 Did the organization have an ownership interest in a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 5471, Information Return of U.S. Persons With Respect To Certain Foreign Corporations (see Instructions for Form 5471)* Yes No

- 4 Was the organization a direct or indirect shareholder of a passive foreign investment company or a qualified electing fund during the tax year? *If "Yes," the organization may be required to file Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund (see Instructions for Form 8621)* Yes No

- 5 Did the organization have an ownership interest in a foreign partnership during the tax year? *If "Yes," the organization may be required to file Form 8865, Return of U.S. Persons With Respect to Certain Foreign Partnerships (see Instructions for Form 8865)* Yes No

- 6 Did the organization have any operations in or related to any boycotting countries during the tax year? *If "Yes," the organization may be required to separately file Form 5713, International Boycott Report (see Instructions for Form 5713; don't file with Form 990)* Yes No

Part V Supplemental Information

Provide the information required by Part I, line 2 (monitoring of funds); Part I, line 3, column (f) (accounting method; amounts of investments vs. expenditures per region); Part II, line 1 (accounting method); Part III (accounting method); and Part III, column (c) (estimated number of recipients), as applicable. Also complete this part to provide any additional information. See instructions.

Schedule F, Part I, Line 2 - IEEE, through its Awards Board, establishes policies and procedures to provide for the orderly development and implementation of awards, scholarships, and recognition programs. The awards administered by the Awards Board and its committees are approved by the Board of Directors. The Board of Directors has delegated approval authority, in accordance with the established policies and procedures, to those major boards having chartered Awards and Recognition Committees.

Area with horizontal dashed lines for supplemental information.

Accounts and Activities Outside the United States

		Offices	Employees	Total
Region	Central America and the Caribbean	0	0	455,159
Activities	Program Services			
Services	Member & Public Imperatives			
Region	Central America and the Caribbean	0	0	43
Activities	Program Services			
Services	Periodicals			
Region	Central America and the Caribbean	0	0	263,074
Activities	Program Services			
Services	Conferences			
Region	Central America and the Caribbean	0	0	94,350
Activities	Program Services			
Services	Standards and Others			
Region	Central America and the Caribbean	0	0	3,252
Activities	Grantmaking			
Services				
Region	East Asia and the Pacific	1	2	864,735
Activities	Program Services			
Services	Member & Public Imperatives			
Region	East Asia and the Pacific	0	0	10,001
Activities	Program Services			
Services	Periodicals			
Region	East Asia and the Pacific	0	0	21,006,149
Activities	Program Services			
Services	Conferences			
Region	East Asia and the Pacific	0	0	881,052
Activities	Program Services			
Services	Standards and Others			
Region	East Asia and the Pacific	0	0	319,058
Activities	Grantmaking			
Services				
Region	Europe (including Iceland and Greenland)	0	0	439,143
Activities	Program Services			
Services	Member & Public Imperatives			
Region	Europe (including Iceland and Greenland)	0	0	38,586
Activities	Program Services			
Services	Periodicals			
Region	Europe (including Iceland and Greenland)	0	0	16,115,020
Activities	Program Services			
Services	Conferences			
Region	Europe (including Iceland and Greenland)	0	0	406,505
Activities	Program Services			
Services	Standards and Others			
Region	Europe (including Iceland and Greenland)	0	0	482,273
Activities	Grantmaking			
Services				

Schedule F, Part V, Statement 1

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

Region	Middle East and North Africa	0	0	156,225
Activities	Program Services			
Services	Member & Public Imperatives			
Region	Middle East and North Africa	0	0	2,890
Activities	Program Services			
Services	Periodicals			
Region	Middle East and North Africa	0	0	293,861
Activities	Program Services			
Services	Conferences			
Region	Middle East and North Africa	0	0	114,811
Activities	Program Services			
Services	Standards and Others			
Region	Middle East and North Africa	0	0	28,366
Activities	Grantmaking			
Services				
Region	North America (including Canada and Mexico, but not the United States)	0	0	464,087
Activities	Program Services			
Services	Member & Public Imperatives			
Region	North America (including Canada and Mexico, but not the United States)	0	0	48,346
Activities	Program Services			
Services	Periodicals			
Region	North America (including Canada and Mexico, but not the United States)	0	0	3,888,430
Activities	Program Services			
Services	Conferences			
Region	North America (including Canada and Mexico, but not the United States)	0	0	496,061
Activities	Program Services			
Services	Standards and Others			
Region	North America (including Canada and Mexico, but not the United States)	0	0	103,047
Activities	Grantmaking			
Services				
Region	Russia and the newly independent States	1	1	74,372
Activities	Program Services			
Services	Member & Public Imperatives			
Region	Russia and the newly independent States	0	0	5,440
Activities	Program Services			
Services	Periodicals			
Region	Russia and the newly independent States	0	0	155,197
Activities	Program Services			
Services	Conferences			
Region	Russia and the newly independent States	0	0	58,399
Activities	Program Services			
Services	Standards and Others			
Region	Russia and the newly independent States	0	0	8,900
Activities	Grantmaking			
Services				
Region	South America	0	0	471,817
Activities	Program Services			
Services	Member & Public Imperatives			
Region	South America	0	0	3,195

Schedule F, Part V, Statement 1

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

Activities	Program Services			
Services	Periodicals			
Region	South America	0	0	1,126,379
Activities	Program Services			
Services	Conferences			
Region	South America	0	0	157,328
Activities	Program Services			
Services	Standards and Others			
Region	South America	0	0	24,447
Activities	Grantmaking			
Services				
Region	South Asia	0	0	514,367
Activities	Program Services			
Services	Member & Public Imperatives			
Region	South Asia	0	0	1,169
Activities	Program Services			
Services	Periodicals			
Region	South Asia	0	0	142,790
Activities	Program Services			
Services	Conferences			
Region	South Asia	0	0	196,803
Activities	Program Services			
Services	Standards and Others			
Region	South Asia	0	0	125,427
Activities	Grantmaking			
Services				
Region	Sub-Saharan Africa	0	0	33,080
Activities	Program Services			
Services	Member & Public Imperatives			
Region	Sub-Saharan Africa	0	0	234,633
Activities	Program Services			
Services	Conferences			
Region	South Asia	0	0	13,120
Activities	Program Services			
Services	Standards and Others			
Region	Sub-Saharan Africa	0	0	216,838
Activities	Grantmaking			
Services				
Total:		2	3	50,538,225

Grants To Organization Outside US

		Cash Grant	Non-Cash Assistance
Region	East Asia and the Pacific	30,988	0
Grant	Engineering Development		
Cash Disbursement	Wire Transfer		
Desc. of Non-Cash Asst.	Not Applicable		
Valuation	Not Applicable		
Region	East Asia and the Pacific	14,710	0
Grant	Engineering Fellowship		
Cash Disbursement	Wire Transfer		
Desc. of Non-Cash Asst.	Not Applicable		
Valuation	Not Applicable		
Region	Europe (including Iceland and Greenland)	10,000	0
Grant	Engineering Development		
Cash Disbursement	Wire Transfer		
Desc. of Non-Cash Asst.	Not Applicable		
Valuation	Not Applicable		
Region	Europe (including Iceland and Greenland)	168,513	0
Grant	Engineering Achievement Award		
Cash Disbursement	Wire Transfer		
Desc. of Non-Cash Asst.	Not Applicable		
Valuation	Not Applicable		
Region	Europe (including Iceland and Greenland)	15,000	0
Grant	Engineering Fellowship		
Cash Disbursement	Wire Transfer		
Desc. of Non-Cash Asst.	Not Applicable		
Valuation	Not Applicable		
Region	Middle East and North Africa	6,000	0
Grant	Engineering Development		
Cash Disbursement	Wire Transfer		
Desc. of Non-Cash Asst.	Not Applicable		
Valuation	Not Applicable		
Region	North America (including Canada and Mexico, but not the United States)	20,500	0
Grant	Engineering Development		
Cash Disbursement	Wire Transfer; Check		
Desc. of Non-Cash Asst.	Not Applicable		
Valuation	Not Applicable		
Region	South Asia	34,437	0
Grant	Engineering Development		
Cash Disbursement	Wire Transfer		
Desc. of Non-Cash Asst.	Not Applicable		
Valuation	Not Applicable		
Region	Sub Saharan Africa	213,000	0
Grant	Engineering Development		
Cash Disbursement	Wire Transfer		
Desc. of Non-Cash Asst.	Not Applicable		
Valuation	Not Applicable		

Grants To Individuals Located Outside US

		Recipients	Cash Grant	Non-Cash Assistance
Assistance	Engineering Achievement Award	3	2,724	0
Region	Central America and the Caribbean			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Achievement Award	258	121,799	0
Region	East Asia and the Pacific			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Achievement Award	252	150,407	0
Region	Europe (including Iceland and Greenland)			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Achievement Award	16	7,733	0
Region	Middle East and North Africa			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Achievement Award	49	21,314	0
Region	North America (including Canada and Mexico, but not the United States)			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Achievement Award	4	6,900	0
Region	Russia and the newly independent States			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Achievement Award	6	2,475	0
Region	South America			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Achievement Award	34	20,811	0
Region	South Asia			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Development	79	38,196	0
Region	East Asia and the Pacific			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Development	32	26,973	0

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

Schedule F, Part V, Statement 3

Region	Europe (including Iceland and Greenland)			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Development	5	6,500	0
Region	Middle East and North Africa			
Cash Disbursement	Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Development	5	6,221	0
Region	North America (including Canada and Mexico, but not the United States)			
Cash Disbursement	Checks			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Development	1	500	0
Region	Russia and the newly independent States			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Development	5	2,687	0
Region	South America			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Development	15	12,428	
Region	South Asia			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.				
Valuation				
Assistance	Engineering Development	1	1,500	0
Region	Sub-Saharan Africa			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Fellowship	6	21,000	0
Region	East Asia and the Pacific			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Fellowship	10	31,000	0
Region	Europe (including Iceland and Greenland)			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Scholarship	18	4,842	0
Region	East Asia and the Pacific			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Scholarship	7	3,711	0
Region	Europe (including Iceland and Greenland)			

Schedule F, Part V, Statement 3

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Scholarship	1	1,000	0
Region	Middle East and North Africa			
Cash Disbursement	Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Scholarship	8	14,371	0
Region	North America (including Canada and Mexico, but not the United States)			
Cash Disbursement	Checks; Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Scholarship	1	1,000	0
Region	South America			
Cash Disbursement	Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Scholarship	30	33,000	0
Region	South Asia			
Cash Disbursement	Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			
Assistance	Engineering Scholarship	1	550	0
Region	Sub-Saharan Africa			
Cash Disbursement	Wire Transfers			
Desc. of Non-Cash Asst.	Not Applicable			
Valuation	Not Applicable			

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**

OMB No. 1545-0047

2017

**Open to Public
Inspection**

Department of the Treasury
Internal Revenue Service

Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

▶ Attach to Form 990.

▶ Go to www.irs.gov/Form990 for the latest information.

Name of the organization

Employer identification number

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

13-1656633

Part I General Information on Grants and Assistance

- 1 Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? Yes No
- 2 Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

Part II Grants and Other Assistance to Domestic Organizations and Domestic Governments. Complete if the organization answered "Yes" on Form 990, Part IV, line 21, for any recipient that received more than \$5,000. Part II can be duplicated if additional space is needed.

(a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) Sch I, Stmt 1							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							

- 2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table ▶ 26
- 3 Enter total number of other organizations listed in the line 1 table ▶ 2

Part III Grants and Other Assistance to Domestic Individuals. Complete if the organization answered "Yes" on Form 990, Part IV, line 22.
Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Number of recipients	(c) Amount of cash grant	(d) Amount of noncash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of noncash assistance
1 Engineering Achievement Award	296	376,864	0	Not Applicable	Not Applicable
2 Engineering Development	19	70,468	0	Not Applicable	Not Applicable
3 Engineering Fellowship	28	353,500	0	Not Applicable	Not Applicable
4 Engineering Scholarship	14	71,839	0	Not Applicable	Not Applicable
5					
6					
7					

Part IV Supplemental Information. Provide the information required in Part I, line 2; Part III, column (b); and any other additional information.

Schedule I, Part I, Line 2 - IEEE, through its Awards Board, establishes policies and procedures to provide for the orderly development and implementation of awards, scholarships, and recognition programs. The awards administered by the Awards Board and its committees are approved by the Board of Directors. The Board of Directors has delegated approval authority, in accordance with the established policies and procedures, to those major boards having chartered Awards and Recognition Committees.

Description of Grants and Other Assistance to Governments and Organizations in the United States

		Recipient EIN	Amt. of cash grant	Amt. of non- cash asst.
Name and address	IEEE Foundation Inc 445 Hoes Lane Piscataway, NJ 08854	23-1710664	3,027,914	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	American Assoc for the Advancement of Science 1200 New York Ave NW Washington, DC 20005	53-0196568	12,500	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Fellowship			
Name and address	AFCCE Scholarship Fund PO Box 19333 Washington, DC 20036-0333	52-1126368	20,000	0
IRC code section	501(c)(6)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Scholarship			
Name and address	American Automatic Control Council CO Linda Bushnell UW Electrical Engineering Box 352500 Seattle, WA 98195	11-6017940	10,400	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	American Society of Mechanical Engineers Gretchen Crutchfield1828 L Street NW Suite 810 Washington, DC 20036	13-1623899	250,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	AnnieCannons Inc 27 Delmar St San Francisco, CA 94117	47-3202155	20,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	Dare County Schools PO Box 1508 Nags Head, NC 27959	56-6001017	15,000	0

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

Schedule I, Part IV, Statement 1

IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	Engineers Without Borders-USA 1031 33rd Street 210 Denver, CO 80205	84-1589324	15,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	Fort Lewis College 1000 Rim Drive140 Berndt Hall Durango, CO 81301	23-7122114	17,060	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	Harvey Mudd College 301 Platt Blvd Claremont, CA 91711	95-1911219	10,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	Kilowatts for Humanity 12711 SE 63rd Street Bellevue, WA 98006	47-2813911	9,119	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	Latin American and Caribbean Consortium of Engineering Institutions LACCEI 777 Glades Rd EE308 Boca Raton, FL 33431	33-1044734	9,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	National Association of Broadcasters Education Foundation 1771 N Street NW Washington, DC 20036	52-1866840	10,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	National Electronics Museum 1745 W Nursery Rd Linthicum, MD 21090	52-1226197	30,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			

Schedule I, Part IV, Statement 1

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

Purpose of grant		Engineering Development			
Name and address	National Society of Hispanic Physicists Inc 1201 New York Ave NWSuite 430 Washington, DC 20005		47-1166372	7,500	0
IRC code section					
Method of valuation	Not Applicable				
Desc. of Non-Cash Asst.	Not Applicable				
Purpose of grant	Engineering Development				
Name and address	Regents of the University of Michigan PO Box 223131 Pittsburgh, PA 15251-2131		38-6006309	51,000	0
IRC code section	501(c)(3)				
Method of valuation	Not Applicable				
Desc. of Non-Cash Asst.	Not Applicable				
Purpose of grant	Engineering Development				
Name and address	Regents of University of Colorado Attn Terry Boulton Computer Science 1420 Austin Bluffs Parkway Colorado Springs, CO 80918		84-6000555	58,000	0
IRC code section	501(c)(3)				
Method of valuation	Not Applicable				
Desc. of Non-Cash Asst.	Not Applicable				
Purpose of grant	Engineering Development				
Name and address	Seeding Labs A Nonprofit Corporation 60 Milk Street 16 Floor Boston, MA 02109		10-8267613	15,000	0
IRC code section	501(c)(3)				
Method of valuation	Not Applicable				
Desc. of Non-Cash Asst.	Not Applicable				
Purpose of grant	Engineering Development				
Name and address	Solar Splash Inc 2514 Silver Maple Dr Little Rock, AR 72210		45-5284848	10,000	0
IRC code section	501(c)(3)				
Method of valuation	Not Applicable				
Desc. of Non-Cash Asst.	Not Applicable				
Purpose of grant	Engineering Development				
Name and address	Texas A and M Engineering Experiment Station Texas AM Eng Experiment Station 400 Harvey Mitchell Parkway Ste ST 300 College Station, TX 77845		74-1974733	9,900	0
IRC code section	501(c)(3)				
Method of valuation	Not Applicable				
Desc. of Non-Cash Asst.	Not Applicable				
Purpose of grant	Engineering Development				
Name and address	Univ of Texas at San Antonio Development OfficeOne UTSA Circle San Antonio, TX 78249		74-1717115	10,000	0
IRC code section	501(c)(3)				
Method of valuation	Not Applicable				
Desc. of Non-Cash Asst.	Not Applicable				
Purpose of grant	Engineering Development				

Schedule I, Part IV, Statement 1

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

Name and address	University Corporation for Atmospheric Research 1850 Table Mesa Drive Boulder, CO 80305	84-0412668	12,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	University of Kansas Continuing Education Kevin G Curry Sr Program Mgr 1515 St Andrews Dr Lawrence, KS 66047	48-1124839	26,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	University of Minnesota Foundation McNamara Alumni Center Suite 500 200 Oak Street SE Minneapolis, MN 55455	41-6042488	8,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	University of Nevada Reno Sponsored Projects Mailstop 325 Reno, NV 89557-0325	94-2781749	10,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	University of New Mexico Electrical Computer Engineering MSC01 1100 Albuquerque, NM 87131	85-6006420	25,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	University of North Carolina at Chapel Hill PO Box 402420 Atlanta, GA 30384-2420	59-1711424	120,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			
Name and address	West Virginia University One Waterfront Place 7th Floor Morgantown, WV 26507	55-6000842	15,000	0
IRC code section	501(c)(3)			
Method of valuation	Not Applicable			
Desc. of Non-Cash Asst.	Not Applicable			
Purpose of grant	Engineering Development			

**SCHEDULE J
(Form 990)**

Department of the Treasury
Internal Revenue Service

Compensation Information

For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

- ▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23.
- ▶ Attach to Form 990.
- ▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017

Open to Public Inspection

Name of the organization

Employer identification number

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

13-1656633

Part I Questions Regarding Compensation

1a Check the appropriate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a. Complete Part III to provide any relevant information regarding these items.

- | | |
|---|---|
| <input checked="" type="checkbox"/> First-class or charter travel | <input type="checkbox"/> Housing allowance or residence for personal use |
| <input checked="" type="checkbox"/> Travel for companions | <input type="checkbox"/> Payments for business use of personal residence |
| <input checked="" type="checkbox"/> Tax indemnification and gross-up payments | <input type="checkbox"/> Health or social club dues or initiation fees |
| <input type="checkbox"/> Discretionary spending account | <input type="checkbox"/> Personal services (such as, maid, chauffeur, chef) |

	Yes	No
1b	✓	
2	✓	
4a		✓
4b	✓	
4c		✓
5a	✓	
5b		✓
6a		✓
6b		✓
7		✓
8		✓
9		

b If any of the boxes on line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain

1b

✓

2 Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, and officers, including the CEO/Executive Director, regarding the items checked on line 1a?

2

✓

3 Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director. Check all that apply. Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Compensation committee | <input checked="" type="checkbox"/> Written employment contract |
| <input checked="" type="checkbox"/> Independent compensation consultant | <input checked="" type="checkbox"/> Compensation survey or study |
| <input checked="" type="checkbox"/> Form 990 of other organizations | <input checked="" type="checkbox"/> Approval by the board or compensation committee |

4 During the year, did any person listed on Form 990, Part VII, Section A, line 1a, with respect to the filing organization or a related organization:

- a** Receive a severance payment or change-of-control payment?
- b** Participate in, or receive payment from, a supplemental nonqualified retirement plan?
- c** Participate in, or receive payment from, an equity-based compensation arrangement?
- If "Yes" to any of lines 4a–c, list the persons and provide the applicable amounts for each item in Part III.

4a

✓

4b

✓

4c

✓

Only section 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5–9.

5 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of:

- a** The organization?
- b** Any related organization?
- If "Yes" on line 5a or 5b, describe in Part III.

5a

✓

5b

✓

6 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of:

- a** The organization?
- b** Any related organization?
- If "Yes" on line 6a or 6b, describe in Part III.

6a

✓

6b

✓

7 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any nonfixed payments not described on lines 5 and 6? If "Yes," describe in Part III

7

✓

8 Were any amounts reported on Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III

8

✓

9 If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)?

9

Part II Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees. Use duplicate copies if additional space is needed.

For each individual whose compensation must be reported on Schedule J, report compensation from the organization on row (i) and from related organizations, described in the instructions, on row (ii). Do not list any individuals that aren't listed on Form 990, Part VII.

Note: The sum of columns (B)(i)-(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual.

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
		(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
1 Karen Bartleson, IEEE President & CEO	(i)	0	0	171,000	0	0	171,000	0
	(ii)	0	0	0	0	0	0	0
2 E James Prendergast, Assistant Secretary & Executive Director	(i)	619,231	196,250	73,535	217,113	7,527	1,113,656	0
	(ii)	0	0	0	0	0	0	0
3 Thomas R Siegert, Assistant Treasurer, Staff Executive & CEO	(i)	403,742	120,620	26,394	36,000	9,276	596,032	0
	(ii)	0	0	0	0	0	0	0
4 Mary Ward-Callan, Managing Director - Technical Activities	(i)	373,243	52,680	51,976	39,903	7,652	525,454	0
	(ii)	0	0	0	0	0	0	0
5 Michael B Forster, Managing Director - Publications	(i)	342,270	30,050	17,490	20,738	8,727	419,275	0
	(ii)	0	0	0	0	0	0	0
6 Donna Hourican, Staff Executive Corporate Activities	(i)	292,631	39,620	18,376	38,751	0	389,378	0
	(ii)	0	0	0	0	0	0	0
7 Karen L Hawkins, Chief Marketing Officer	(i)	276,767	23,380	15,009	38,812	9,943	363,911	0
	(ii)	0	0	0	0	0	0	0
8 Cherif Amirat, Chief Information Officer	(i)	334,688	46,370	8,215	28,688	11,746	429,707	0
	(ii)	0	0	0	0	0	0	0
9 Eileen M Lach, General Counsel & CCO	(i)	485,095	64,680	44,093	39,112	5,599	638,579	0
	(ii)	0	0	0	0	0	0	0
10 Konstantinos Karachalios, Managing Director - IEEE Standards	(i)	366,006	50,050	34,862	36,075	0	486,993	0
	(ii)	0	0	0	0	0	0	0
11 Emily Csernica, Director North America Sales	(i)	115,668	279,880	16,072	20,738	8,265	440,623	0
	(ii)	0	0	0	0	0	0	0
12 Jean Jennings, Director - International Sales	(i)	163,584	173,477	45,256	38,510	4,060	424,887	0
	(ii)	0	0	0	0	0	0	0
13 James Boruch, Corporate National Accounts Manager	(i)	132,098	226,440	9,272	36,000	418	404,228	0
	(ii)	0	0	0	0	0	0	0
14	(i)							
	(ii)							
15	(i)							
	(ii)							
16	(i)							
	(ii)							

Part III Supplemental Information

Provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II. Also complete this part for any additional information.

Schedule J, Part I, Line 1a - FIRST-CLASS TRAVEL: In accordance with Policy, business class fares are permissible, if budgeted by the organizational unit, and if the flying time is over eight consecutive hours for a single segment or over eight hours flying time where a layover is required. Business class is defined as an intermediate class above economy class but below first class. In all cases individuals are encouraged to purchase upgradeable coach class fares and use miles or coupons to upgrade to business class. Permission to travel business class for medical reasons may be granted by the President for volunteers, or in the case of staff, the Executive Director. If first class is the only available class other than economy class, reimbursement shall occur only when all criteria to travel business class have been met and permission is granted by the unit Vice President or President, or, in the case of Staff, the IEEE Executive Director. All reimbursed first class fares shall be reported to the IEEE Audit Committee. The following listed persons were reimbursed for first class travel or business first class travel in 2017 including Karen Bartleson, President & CEO; E. James Prendergast, Asst. Secretary & Executive Director; and Jean Jennings, Director- International Sales. No part of these reimbursements was treated as taxable compensation. **TRAVEL FOR COMPANIONS:** In accordance with Policy, due to the extensive travel required by the IEEE President, the IEEE President is reimbursed for reasonable, budgeted travel expenses for his/her spouse or other travel companion when accompanying the President on IEEE business. Karen Bartleson, as President & CEO in 2017, received reimbursement in 2017 for spousal travel incurred in 2017. These reimbursements were treated as taxable compensation and reported on Form 1099MISC. Employees are not reimbursed for travel expenses of companions. **TAX INDEMNIFICATION AND GROSS UP PAYMENTS:** In accordance with Policy, the IEEE President is paid a cash gross up payment to cover any foreign or United States federal, state or local income taxes applicable to the aggregate value of X (the spouse or other travel companion travel expense reimbursement), plus Y (the cash gross up payment). Karen Bartleson, as President & CEO in 2017, received a tax indemnification and gross-up payment in 2017 for spousal travel incurred in 2017. This payment was treated as taxable compensation and reported on Form 1099MISC.

Schedule J, Part I, Line 3 - The IEEE Board of Directors, through its external legal counsel engaged a Compensation Consultant to provide the Board with consulting advice and market comparability data about executive compensation to enable the Board to establish a rebuttable presumption of reasonableness under Intermediate Sanctions Legislation ("Section 4958"). A committee of Independent Board members and non-board members (The IEEE Employee Benefits & Compensation Committee) is charged with evaluating the total compensation package of selected executives and Board members, called "Disqualified Persons." The Compensation Consultant provided this committee with valid comparable market data from published sources for comparable positions from both tax-exempt and for-profit organizations. The assessment was conducted at the total rewards level and included all compensation components. External market comparisons were based on two primary sources of data: (1) Form 990 filings for a group of peer organizations identified by the Compensation Consultant based on various criteria and (2) Published surveys; scope cuts including industry, FTEs and revenue were selected that represented organizations comparable to IEEE. The following screening criteria were used to select comparable organizations: (1) NTEE code: (a) general science institutions (b) Engineering and Technology Services (c) Professional Society and (d) Research institutions; (2) Income and assets; (3) Employee Size. Once organizations were screened using that criteria, the following information was collected: (a) whether the organization has international presence, (b) whether they are a standard-setting organization; (c) whether they have a significant publishing activity; and (4) the extent of its focus on contract research. The Committee then reviewed individual and market data. The Committee then debated and documented its decisions about what is reasonable and its decision-making process for multiple disqualified persons. The Compensation Consultant then provided a "presumption of reasonable compensation" letter for the IEEE's files. **DISQUALIFIED INDIVIDUALS INCLUDE THE FOLLOWING:** 1. The IEEE Board of Directors; 2. Executive Director and Chief Operating Officer, IEEE (James Prendergast, Ph.D.); 3. Chief Financial Officer and Acting Chief Human Resources Officer (Thomas Siegert, MBA, CPA); 4. Staff Executive, Corporate Activities (Donna Hourican); 5. Managing Director, Publications (Michael Forster, M.Eng.); 6. Chief Information Officer (Cherif Amirat, MBA, Ph.D.); 7. Chief Marketing Officer (Karen Hawkins); 8. Managing Director, Technical Activities (Mary Ward-Callan, MSEE, CAE); 9. Managing Director, Membership & Geographic Activities (Cecelia Jankowski, MBA, M.S.); 10. Managing Director, Standards Association (Konstantinos Karachalios, Ph.D.); 11. Managing Director, Educational Activities (Jamie Moesch, MBA); 12. Managing Director, IEEE-USA (Chris Brantley, Esq.); 13. General Counsel and Chief Compliance Officer (Eileen Lach, Esq.); 14. Senior Director, Global Sales & Customer Operations (Francis Staples, MBA); 15. Lead Director, Professional Education & Services (Jonathan Dahl); 16. Executive Director, IEEE Foundation (Karen Galuchie); 17. Senior Manager, Strategic Programs (Elisabeth Surmont - family of disqualified person); 18. Inside Sales Associate (Thomas M. Callan - family of disqualified person)

Schedule J, Part I, Line 4 - Sec. 457(b) Plan: E. James Prendergast \$18,000; Michael B. Forster \$12,727; Mary Ward-Callan \$18,000; Konstantinos Karachalios \$18,000; Emily Csernica \$10,489; and Jean Jennings \$18,000. E. James Prendergast, Executive Director, is the only participant in a nonqualified, unfunded, deferred compensation plan under section 457(f) of the

Part III - Supplemental Information (Continued)

IRS code. Column C of Part II, Schedule J, Retirement and Other Deferred Compensation, includes an accrual amount of \$180,913 for 2017.

Schedule J, Part I, Line 5 - Emily Csernica \$279,880 Commissions; Jean Jennings \$173,477 Commissions; and James Boruch \$226,390 Commissions

Schedule J, Part II - Column B(iii): Other Reportable Compensation includes if applicable, payments related to Severance, Vacation Payout, IRS Sec. 457(b) Plan, IRS Sec. 457(f) Plan, Defined Contribution Cash Payout, and Long Term Disability Premiums.

SCHEDULE L
(Form 990 or 990-EZ)

Transactions With Interested Persons

OMB No. 1545-0047

2017

Open To Public Inspection

Department of the Treasury
Internal Revenue Service

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 25a, 25b, 26, 27, 28a, 28b, or 28c, or Form 990-EZ, Part V, line 38a or 40b.

▶ Attach to Form 990 or Form 990-EZ.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

Name of the organization

Employer identification number

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

13-1656633

Part I Excess Benefit Transactions (section 501(c)(3), section 501(c)(4), and 501(c)(29) organizations only).

Complete if the organization answered "Yes" on Form 990, Part IV, line 25a or 25b, or Form 990-EZ, Part V, line 40b.

1	(a) Name of disqualified person	(b) Relationship between disqualified person and organization	(c) Description of transaction	(d) Corrected?	
				Yes	No
(1)					
(2)					
(3)					
(4)					
(5)					
(6)					

- 2 Enter the amount of tax incurred by the organization managers or disqualified persons during the year under section 4958. ▶ \$ _____
- 3 Enter the amount of tax, if any, on line 2, above, reimbursed by the organization ▶ \$ _____

Part II Loans to and/or From Interested Persons.

Complete if the organization answered "Yes" on Form 990-EZ, Part V, line 38a or Form 990, Part IV, line 26; or if the organization reported an amount on Form 990, Part X, line 5, 6, or 22.

(a) Name of interested person	(b) Relationship with organization	(c) Purpose of loan	(d) Loan to or from the organization?		(e) Original principal amount	(f) Balance due	(g) In default?		(h) Approved by board or committee?		(i) Written agreement?	
			To	From			Yes	No	Yes	No	Yes	No
(1)												
(2)												
(3)												
(4)												
(5)												
(6)												
(7)												
(8)												
(9)												
(10)												
Total						\$						

Part III Grants or Assistance Benefiting Interested Persons.

Complete if the organization answered "Yes" on Form 990, Part IV, line 27.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of assistance	(d) Type of assistance	(e) Purpose of assistance
(1)				
(2)				
(3)				
(4)				
(5)				
(6)				
(7)				
(8)				
(9)				
(10)				

Description of Business Transactions Involving Interested Persons

		Amount of transaction
Name	Thomas M Callan	69,355
Relationship with organization	Family Member of Current Key Employee Mary Ward-Callan	
Description of transaction	Employment	
Sharing Of Revenues	No	
Name	Beth Surmont Expires tax year 2019	130,384
Relationship with organization	Family Member of Former Key Employee Elena Gerstmann	
Description of transaction	Employment	
Sharing Of Revenues	No	
Name	Susan Walsh Expires tax year 2021	35,000
Relationship with organization	Family Member of Current Director Secretary of IEEE, William P Walsh	
Description of transaction	Independent Contractor	
Sharing Of Revenues	No	

**SCHEDULE M
(Form 990)**

Noncash Contributions

OMB No. 1545-0047

2017

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Department of the Treasury
Internal Revenue Service

- ▶ Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30.
- ▶ Attach to Form 990.
- ▶ Go to www.irs.gov/Form990 for the latest information.

Name of the organization

Employer identification number

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

13-1656633

Part I Types of Property

	(a) Check if applicable	(b) Number of contributions or items contributed	(c) Noncash contribution amounts reported on Form 990, Part VIII, line 1g	(d) Method of determining noncash contribution amounts
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				

29 Number of Forms 8283 received by the organization during the tax year for contributions for which the organization completed Form 8283, Part IV, Donee Acknowledgement

29

30a During the year, did the organization receive by contribution any property reported in Part I, lines 1 through 28, that it must hold for at least three years from the date of the initial contribution, and which isn't required to be used for exempt purposes for the entire holding period?

	Yes	No
30a		✓

b If "Yes," describe the arrangement in Part II.

31 Does the organization have a gift acceptance policy that requires the review of any nonstandard contributions?

31	✓	
-----------	---	--

32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash contributions?

32a		✓
------------	--	---

b If "Yes," describe in Part II.

33 If the organization didn't report an amount in column (c) for a type of property for which column (a) is checked, describe in Part II.

33		
-----------	--	--

Part II Supplemental Information. Provide the information required by Part I, lines 30b, 32b, and 33, and whether the organization is reporting in Part I, column (b), the number of contributions, the number of items received, or a combination of both. Also complete this part for any additional information.

Schedule M, Part I, Lines 25-28 - Zero amount is reported in Schedule M, Part I, Line 22, Column C. Zero amount is also reported on Form 990, Part VIII, Statement of Revenue, because IEEE did not capitalize its collections, as allowed under FASB Accounting Standards Codification - ASC 958.

Area with horizontal dashed lines for supplemental information.

Description of Other Types of Property

		lines on Part I	Contributions	Revenues
Description	Four 48"x96" sheets of NovaCork panel to create robot race track surfaces	Yes	1	0
Method of determining revenues	Not Applicable			

SCHEDULE O
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on
Form 990 or 990-EZ or to provide any additional information.

- ▶ Attach to Form 990 or 990-EZ.
- ▶ Go to www.irs.gov/Form990 for the latest information.

OMB No. 1545-0047

2017

Open to Public
Inspection

Name of the organization

Employer identification number

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

13-1656633

Form 990, Part VI, Section A, Line 6 - IEEE has approximately 417,400 members in over 160 countries around the world.

Form 990, Part VI, Section A, Line 7a - The members of IEEE elect the directors of IEEE in accordance with the governing documents.

Form 990, Part VI, Section A, Line 7b - Amendments to the Constitution are subject to approval by the voting members of the organization. Voting members are those members of Member grade or above as defined in the bylaws. The Constitution was last amended in 2004.

Form 990, Part VI, Section B, Line 11b - Before the Form 990 is filed with the IRS it is reviewed by the Executive Director, Past President, Treasurer, Past Treasurer, Audit Committee Chair and the CFO/Assistant Treasurer. The return is then posted to a website accessible by the IEEE Board of Directors. Questions and comments from the Board are acted upon.

Form 990, Part VI, Section B, Line 12c - IEEE requires that officers and directors submit conflict of interest disclosure form which is reviewed for both positive and negative responses for potential conflict of interest. All IEEE employees are required to complete an annual training course and those with authority to make financial expenditures are required to submit a disclosure form. The result of an officer or director not completing a required conflict of interest disclosure form is removal from service on the committee or board.

Form 990, Part VI, Section B, Line 15 - The IEEE Board of Directors, through its external legal counsel engaged a Compensation Consultant to provide the Board with consulting advice and market comparability data about executive compensation to enable the Board to establish a rebuttable presumption of reasonableness under Intermediate Sanctions Legislation ("Section 4958"). A committee of Independent Board members and non-board members (The IEEE Employee Benefits & Compensation Committee) is charged with evaluating the total compensation package of selected executives and Board members, called "Disqualified Persons." The Compensation Consultant provided this committee with valid comparable market data from published sources for comparable positions from both tax-exempt and for-profit organizations. The assessment was conducted at the total rewards level and included all compensation components. External market comparisons were based on two primary sources of data: (1) Form 990 filings for a group of peer organizations identified by the Compensation Consultant based on various criteria and (2) Published surveys; scope cuts including industry, FTEs and revenue were selected that represented organizations comparable to IEEE. The following screening criteria were used to select comparable organizations: (1) NTEE code: (a) general science institutions (b) Engineering and Technology Services (c) Professional Society and (d) Research institutions; (2) Income and assets; (3) Employee Size. Once organizations were screened using that criteria, the following information was collected: (a) whether the organization has international presence, (b) whether they are a standard-setting organization; (c) whether they have a significant publishing activity; and (4) the extent of its focus on contract research. The Committee then reviewed individual and market data. The Committee then debated and documented its decisions about what is reasonable and its decision-making process for multiple disqualified persons. The Compensation Consultant then provided a "presumption of reasonable compensation" letter for the IEEE's files. DISQUALIFIED INDIVIDUALS INCLUDE THE FOLLOWING: 1. The IEEE Board of Directors; 2. Executive Director and Chief Operating Officer, IEEE (James Prendergast, Ph.D.); 3. Chief Financial Officer and Acting Chief Human Resources Officer (Thomas Siegert, MBA, CPA); 4. Staff Executive, Corporate Activities (Donna Hourican); 5. Managing Director, Publications (Michael Forster, M.Eng.); 6. Chief Information Officer (Cherif Amirat, MBA, Ph.D.); 7. Chief Marketing Officer (Karen Hawkins); 8. Managing Director, Technical Activities (Mary Ward-Callan, MSEE, CAE); 9. Managing Director, Membership & Geographic Activities (Cecelia Jankowski, MBA, M.S.); 10. Managing Director, Standards Association (Konstantinos Karachalios, Ph.D.); 11. Managing Director, Educational Activities (Jamie Moesch, MBA); 12. Managing Director, IEEE-USA (Chris Brantley, Esq.); 13. General Counsel and Chief Compliance Officer (Eileen Lach, Esq.); 14. Senior Director, Global Sales & Customer Operations (Francis Staples, MBA); 15. Lead Director, Professional Education & Services (Jonathan Dahl); 16. Executive Director, IEEE Foundation (Karen Galuchie); 17. Senior Manager, Strategic Programs (Elisabeth Surmont - family of disqualified person); 18. Inside Sales Associate (Thomas M. Callan - family of disqualified person)

Form 990, Part VI, Section C, Line 19 - The IEEE Governing documents, conflict of interest policy and financial statements are available on the IEEE website and to the public upon request.

Form 990, Part VII, Section A, Line 1a - For each person listed in Column A who is an Officer & Director, the average hours per week is stated as 10; however, the actual hours per week vary between 10 and 40. For each person listed as a Director, the average hours per week is stated as 5; however, the actual hours per week vary between 5 and 20. For each person listed who is an employee, the average number of hours per week is stated as 40; however, the actual hours per week vary between 40 and 80.

Form 990, Part IX, Line 11g - Other service fees are primarily related to consultants, professionals, editors, temporary agency personnel,

For Paperwork Reduction Act Notice, see the Instructions for Form 990 or 990-EZ.

Cat. No. 51056K

Schedule O (Form 990 or 990-EZ) (2017)

Activity Or Mission Description

Description

ranging from Internet governance to tech ethics. Throughout 2017, used its expanded industry connections to provide leadership in emerging areas including standards development and public policy. This has led to valuable, cross-national agreements and the productive exchange of ideas as IEEE works to address differing needs at local levels. IEEE discovers opportunities around the world to inspire change and empower people by providing technologists with cutting-edge research to help improve the world. For additional 2017 IEEE significant activities, see Part III on page 2, and IEEE 2017 Annual Report.

First Program Service Accomplishments Description

Description

opened in Vienna, serving as a strong foundation for collaboration to enhance the global science and innovation ecosystem. The Centre provides support and services the technical community, focusing specifically on the needs of industry, academia and governmental institutions; 3) in Brazil, one of today's leading science and technology hubs, IEEE met with over 50 key business and technology leaders to address how best to serve the needs of practicing engineers and technologists; 3) in Kenya, IEEE convened with universities, associations, government ministries, small and midsize companies and multinational corporations. These visits set the groundwork for IEEE to address many of the country's unmet technological needs, capitalize on emerging opportunities and deepen its connections to local industry, academia and government; and 4) in Australia, scores of leading organizations, including educational and research institutions, startups, small and medium enterprises and multinational companies discussed ways to create new technical standards in partnership with IEEE.

Second Program Service Accomplishments Description

Description

Technical Content and Best Single Article. In addition, IEEE magazines had a strong presence at the APEX Awards; IEEE-USA's digital publications received more than 30 awards for excellence in 2017, including honors from APEX, Hermes Creative, the Academy of Interactive Visual Arts and Sciences and the Association of Marketing and Communication Professionals.

Third Program Service Accomplishments Description

Description

event included a series of panels that addressed questions related to artificial intelligence, autonomous transportation, neuroscience and ethics education; and 5) IEEE Women in Engineering International Leadership Conference, to elevate, educate and inspire women engineers, held 22-23 May in San Jose, California, hosted over 1,300 attendees from 49 countries. Participating companies included Amazon, Google, Verizon and Intel.

Other Program Services Accomplishments

Activity Code	Description	Expense	Grants	Revenue
	<p>STANDARDS AND OTHER IEEE PROGRAMS - IEEE standards drive the functionality, capabilities and interoperability of a wide range of products and services that transform the way people live, work and communicate, and many of them address the importance of social, economic and ethical challenges posed by emerging technologies. 2017 was a record year for IEEE with deepened global standardization engagements around the world. Standards accounted for 7.9 percent of total revenues for 2017. In addition to IEEE's strong standing in North America, proactive outreach efforts brought also a number of new standards related collaborations and alliances in Australia, Canada, China, India, Japan, Latin America, Europe, the Middle East and Africa (EMEA). IEEE also entered into a number of new agreements in 2017 notably its first agreement in South America (with INEN, the Ecuadorian national standards body). These alliances allow IEEE to significantly expand and reinforce its engagement and relations among industry and policy makers in these regions. Throughout 2017, IEEE devoted itself to expanding its role as a worldwide leader in technology policy and worked to enhance the global standardization environment. Other notable accomplishments included: 1) IEEE Standards Association Industry Connections program brought a 70% increase in new industry collaboration initiatives, providing an incubator for new standards and related products that will deliver advancements in the emerging areas of 3D body processing, blockchain applications, Internet of Things, robotics, cybersecurity, smart cities and more; 2) signed a series of memorandums of understanding (MOUs) targeted at standardization with key Chinese technology institutes and standards bodies, including the Chinese Society for Electrical Engineering, the Telematics Industry Application Alliance and the Tencent Research Institute. As a result of these formal collaborations, IEEE has realized double-digit growth in the number of new standardization initiatives, increased participation in existing initiatives and growth in corporate membership; 3) created the IEEE Tech Ethics program, which drives and coordinates institute-wide activities in technology ethics, with the goal of establishing IEEE as a thought leader and trusted source of information in conversations about the ethical and societal implications of technology; 4) nearly 200 new standardization projects were initiated, and 139 standards were approved in 2017 - a record year on both accounts.</p>	30,966,146	0	31,475,776
Total:		30,966,146	0	31,475,776

Name Of Foreign Country

Name

United Arab Emirates

Argentina

Australia

Austria

Belgium

Bangladesh

Bosnia-Herzegovina

Belarus

Brazil

Bulgaria

Canada

Sri Lanka

China

Chile

Colombia

Costa Rica

Cyprus

Denmark

Ecuador

El Salvador

Czech Republic

Finland

France

Ghana

Germany

Greece

Guatemala

Hong Kong

Honduras

Hungary

Iceland

Indonesia

India

Israel

Italy

Japan

Jordan

Schedule O, Statement 6

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

Kenya
Korea, Republic of (South)
Kuwait
Lebanon
Lithuania
Macau
Macedonia
Malta
Mexico
Malaysia
Nigeria
Norway
Nicaragua
New Zealand
Peru
Pakistan
Poland
Panama
Portugal
Romania
Philippines
Russia
Saudi Arabia
South Africa
Slovenia
Singapore
Spain
Sweden
Switzerland
Trinidad and Tobago
Thailand
Turkey
Taiwan
United Kingdom (England, Northern Ireland, Scotland, and Wales)
Ukraine
Uruguay
Venezuela
Vietnam

States Where Copy Of Return Is Filed

States

AK

AL

AR

CA

CO

CT

DC

FL

GA

HI

IL

IN

KS

KY

MA

MD

ME

MI

MN

MS

NC

ND

NH

NJ

NM

NY

OH

OK

OR

PA

RI

SC

TN

UT

VA

WA

WI

WV

Contractor Compensation

Name and address:	Description Of Services	Compensation
Oracle America Inc 500 Oracle Parkway Redwood Shores San Mateo, CA 94065	License and maintain core financial system	4,390,146
iEnergizer Aptara Limited Box 13963 13963 Collection Center Dr Chicago, IL 60693	Services provide include XML conversion, page composition, image conversion, two levels of editing.	3,123,500
Finn Partners Inc 301 East 57th St New York, NY 10022	Management of crisis communications for IEEE: assess content creation, monitoring of the press, etc	2,851,522
RR Donnelley Receivables Inc 111 South Wacker Drive Chicago, IL 60606-4301	Printing and processing of IEEE select magazines and IEEE membership notices such as renewals	2,747,270
IMEX Global Solutions LLC 6567 Solution Center Chicago, IL 60677	International mailing of IEEE publications	2,718,602
Total:		15,831,040

**SCHEDULE R
(Form 990)**

Department of the Treasury
Internal Revenue Service

Related Organizations and Unrelated Partnerships

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37.

▶ Attach to Form 990.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017

**Open to Public
Inspection**

Name of the organization

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC

Employer identification number

13-1656633

Part I Identification of Disregarded Entities. Complete if the organization answered "Yes" on Form 990, Part IV, line 33.

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Total income	(e) End-of-year assets	(f) Direct controlling entity
(1) See Schedule R, Part VII, Statement 1					
(2)					
(3)					
(4)					
(5)					
(6)					

Part II Identification of Related Tax-Exempt Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, because it had one or more related tax-exempt organizations during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	(g) Section 512(b)(13) controlled entity?	
						Yes	No
(1) See Schedule R, Part VII, Statement 2							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							

Part III Identification of Related Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, because it had one or more related organizations treated as a partnership during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Predominant income (related, unrelated, excluded from tax under sections 512-514)	(f) Share of total income	(g) Share of end-of- year assets	(h) Disproportionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
							Yes	No		Yes	No	
(1)												
(2)												
(3)												
(4)												
(5)												
(6)												
(7)												

Part IV Identification of Related Organizations Taxable as a Corporation or Trust. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, because it had one or more related organizations treated as a corporation or trust during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of-year assets	(h) Percentage ownership	(i) Section 512(b)(13) controlled entity?	
								Yes	No
(1) See Schedule R, Part VII, Statement 3									
(2)									
(3)									
(4)									
(5)									
(6)									
(7)									

Part V Transactions With Related Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35b, or 36.

Note: Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule.

	Yes	No
1 During the tax year, did the organization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?		
a Receipt of (i) interest, (ii) annuities, (iii) royalties, or (iv) rent from a controlled entity	✓	
b Gift, grant, or capital contribution to related organization(s)	✓	
c Gift, grant, or capital contribution from related organization(s)	✓	
d Loans or loan guarantees to or for related organization(s)	✓	
e Loans or loan guarantees by related organization(s)		✓
f Dividends from related organization(s)		✓
g Sale of assets to related organization(s)		✓
h Purchase of assets from related organization(s)		✓
i Exchange of assets with related organization(s)		✓
j Lease of facilities, equipment, or other assets to related organization(s)		✓
k Lease of facilities, equipment, or other assets from related organization(s)		✓
l Performance of services or membership or fundraising solicitations for related organization(s)	✓	
m Performance of services or membership or fundraising solicitations by related organization(s)		✓
n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)		✓
o Sharing of paid employees with related organization(s)		✓
p Reimbursement paid to related organization(s) for expenses		✓
q Reimbursement paid by related organization(s) for expenses		✓
r Other transfer of cash or property to related organization(s)		✓
s Other transfer of cash or property from related organization(s)		✓

2 If the answer to any of the above is "Yes," see the instructions for information on who must complete this line, including covered relationships and transaction thresholds.

(a) Name of related organization	(b) Transaction type (a-s)	(c) Amount involved	(d) Method of determining amount involved
IEEE Inc	a-i	1,545,766	Accrual
(1) IEEE GlobalSpec Inc	a-i	109,500	Accrual
(2) IEEE Inc	d	38,555,060	Accrual
(3) IEEE GlobalSpec Inc	d	4,665,995	Accrual
(4)			
(5)			
(6)			

Part VI Unrelated Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 37.

Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships.

(a) Name, address, and EIN of entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Predominant income (related, unrelated, excluded from tax under sections 512-514)	(e) Are all partners section 501(c)(3) organizations?		(f) Share of total income	(g) Share of end-of-year assets	(h) Disproportionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
				Yes	No			Yes	No		Yes	No	
(1)													
(2)													
(3)													
(4)													
(5)													
(6)													
(7)													
(8)													
(9)													
(10)													
(11)													
(12)													
(13)													
(14)													
(15)													
(16)													

Part VII

Supplemental Information.

Provide additional information for responses to questions on Schedule R. See instructions.

[Lined area for providing supplemental information]

Description of Identification of Disregarded Entities

		Total income	End-of-year assets
Name and EIN	IEEE Broadcast Technology Convention LLC (13-1656633)	1,119,914	934,514
Address	445 Hoes Lane Piscataway, NJ 08854		
Primary activities	Partner of a UK partnership operating a conference.		
State or foreign country	DE		
Direct controlling entity	Institute of Electrical and Electronics Engineers Inc		
Name and EIN	IEEE International LLC (45-0570011)	0	284,223
Address	445 Hoes Lane Piscataway, NJ 08854		
Primary activities	Non-Profit activities - Scientific & Educational		
State or foreign country	DE		
Direct controlling entity	Institute of Electrical and Electronics Engineers Inc		
Name and EIN	IEEE Global LLC (13-1656633)	114	99,276
Address	445 Hoes Lane Piscataway, NJ 08854		
Primary activities	Non-Profit activities - Scientific and Educational		
State or foreign country	DE		
Direct controlling entity	Institute of Electrical and Electronics Engineers Inc		

Description of Identification of Related Tax-Exempt Organizations

Name and EIN	IEEE Foundation Inc (23-7310664)
Address	445 Hoes Lane Piscataway, NJ 08854
Primary activities	Encourage technological development in engineering.
State or foreign country	NY
Exempt code section	501(c)(3)
Public charity status	7
Direct controlling entity	N/A
512(b)(13) controlled organization?	No
Name and EIN	IEEE Asia-Pacific Limited
Address	1 Fusionopolis Walk 04-07 South Tower Solaris Singapore, Singapore
Primary activities	Scientific & Educational
State or foreign country	Singapore
Exempt code section	501(c)(3)
Public charity status	10
Direct controlling entity	N/A
512(b)(13) controlled organization?	No
Name and EIN	IEEE Worldwide Limited (46-3332937)
Address	445 Hoes Lane Piscataway, NJ 08854
Primary activities	Scientific & Educational
State or foreign country	NY
Exempt code section	501(c)(3)
Public charity status	10
Direct controlling entity	Institute of Electrical and Electronics Engineers Inc
512(b)(13) controlled organization?	No
Name and EIN	Global IEEE Institute for Engineers India
Address	26/1 5th Floor WTC Brigade Gateway DR Rajkumar Road Malleswaram West Bangalore 560 055, India
Primary activities	Scientific & Educational
State or foreign country	India
Exempt code section	501(c)(3)
Public charity status	10
Direct controlling entity	N/A
512(b)(13) controlled organization?	No
Name and EIN	IEEE Technology Centre GmbH
Address	Heinestrasse 38 Vienna, Austria
Primary activities	Engage in research development and innovation in the field of engineering
State or foreign country	Austria
Exempt code section	501(c)(3)
Public charity status	10
Direct controlling entity	Institute of Electrical and Electronics Engineers Inc
512(b)(13) controlled organization?	No

Description of Related Organizations Taxable as a Corporation or Trust

		Share of total income	Share of end- of-year assets	Percentage Controlled ownership	Org
Name and EIN	IEEE Inc (20-8766830)	983,385	35,774,171	100%	Yes
Address	445 Hoes Lane Piscataway, NJ 08854				
Primary activity	Support services, 813000 Business Activity Code, Administrative, Marketing & Promotion.				
State or foreign country	DE				
Direct controlling entity	Institute of Electrical and Electronics Engineers Inc				
Type of entity	C				
Name and EIN	IEEE Europe GmbH	0	0	100%	No
Address	c/o Fiducia-Intergest SA Rue Joseph-Girard Carouge 24-1227, Switzerland				
Primary activity	Support services, 813000 Business Activity Code, Administrative, Marketing & Promotion				
State or foreign country	Switzerland				
Direct controlling entity	Institute of Electrical and Electronics Engineers Inc				
Type of entity	C				
Name and EIN	Institute of Electrical And Electronics Engineers (IEEE) Latin America SA	0	2,329	100%	No
Address	co Posadas Posadas and Vecino Juncal 1305 Floor 21 Montevideo CP11000, Uruguay				
Primary activity	Support services, 813000 Business Activity Code, Administrative, Marketing and Promotion				
State or foreign country	Uruguay				
Direct controlling entity	Institute of Electrical and Electronics Engineers Inc				
Type of entity	C				
Name and EIN	IEEE GlobalSpec Inc (14-1816368)	32,737,950	34,251,297	100%	Yes
Address	201 Fuller Road Suite 202 Albany, NY 12203				
Primary activity	Online advertising, website, and catalog engineering				
State or foreign country	NY				
Direct controlling entity	IEEE Inc				
Type of entity	C				