





SPECTRUM 2017 Media Kit





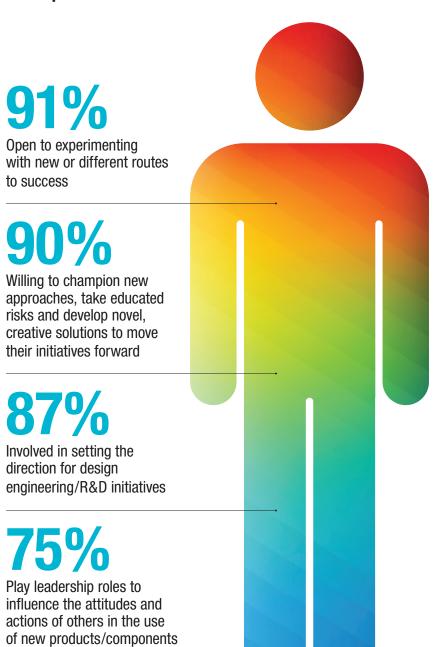




Reach the Brightest Tech Minds to Build Your Business

IEEE Spectrum subscribers are early adopters of new approaches and technologies that apply to their engineering efforts, and they move quickly to have them evaluated.

IEEE Spectrum Subscribers





Worldwide

382,942

North America

206,756

International

176,186

2

2017 Projected Social Media

Facebook

415,000

Twitter

127,000

LinkedIn

15,000



Geographic Regions

United States/Canada

54.2%

Asia/Pacific Rim

25.2%

Europe/Africa/Middle East

17.5%

Latin America

3.1%

Attract the Innovators of Technology

The influence of IEEE Spectrum elevates the work of other professionals, and helps vendors of technology design products and components overcome a more formidable, competitive marketing environment.

IEEE Members Technical Interests

51% Telecommunications

50% Energy

48% Computing

46% Green Technology

44% Engineering Education

39% Consumer Electronics

37% Smart Grid

34% Cloud Computing

32% Life Sciences/Biomedical

32% Robotics

30% Semiconductors

21% Aerospace



IEEE Spectrum Subscribers Job Titles/Positions

65% are Engineering/Scientific Design Staff Members

33% are Engineering/Scientific/ Technical Management

IEEE Spectrum Subscribers Work in a Full Range of Engineering and Design Organizations

32% Technical/Engineering Firms (Including Consultants)

28% Manufacturers, Including OEMs and Contract Companies

19% College/University Labs

7% Independent R&D Labs

6% Government R&D Labs

5% Utilities

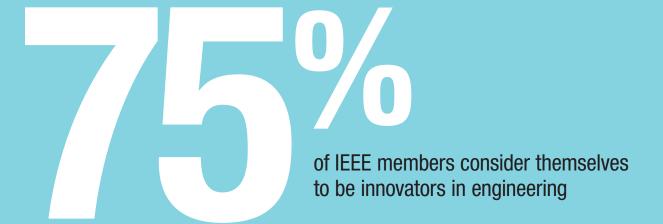
IEEE Spectrum Subscribers Design Products in an Average of Three of These Categories

44% Computer/Networking Hardware and Software Technology

44% Communications/Networking/ Cellular/Broadcast Hardware and Software

33% Power/Energy Products25% Electronic Instruments

21% Industrial Equipment



Reach Innovators and Decision-Makers

IEEE Spectrum subscribers are change agents that influence the vendor selection process and the evaluation and ultimate purchase of products, components and systems. They seek out new solutions that help develop technological breakthroughs in their areas of work. In an environment where vendors must work harder than ever to build credibility and acceptance of their products, establishing relationships with IEEE Spectrum's audience will offer a significant sales advantage.

Nine of ten members of the IEEE Spectrum audience are involved in setting the direction for their organization's design engineering initiatives.

84% report that they indicate specific brands when specifying or recommending products or components.

89% of IEEE Members are involved with purchasing or specifying decisions for their organizations.

89%

Involved in all three phases (early, middle and final) of the decision process 88%

Involved with hard-to-penetrate vendor decision teams, usually in management capacity

70%

Feel it's vital for them to learn of the breakthroughs and innovations made by marketers

64%

Make buying/ specifying decisions that affect multiple levels of their organizations **62%**

Motivated to achieve breakthroughs before their competitors









Reach Powerful Tech Buyers

IEEE Spectrum subscribers are power players. The facilities that they influence are spending significant sums on technology purchases, making them prime sales targets for marketers' messages.

89%	IEEE Members that state that their recommendations are ultimately
	specified or purchased

87% Are involved in setting the direction for their organization's design engineering/R&D initiatives

84% Often specify/recommend by brand, with 63% their recommendations taken most often

Purchase Categories

77%	Computer Hardware
69%	Test and Measurement Products
57 %	Simulation Software
57 %	Circuits and Systems
53%	Computing and Graphics
51%	Power and Energy Equipment
49%	CAD/CAM/CAE Systems
49%	Internet Applications
47%	Embedded Systems
45%	Control Technologies
45%	IC/Semiconductors
41%	Scientific Computing
41%	Business/ERP Software
40%	Power Solutions
38%	Security Systems and Solutions
36%	Programmable Logic (FPGAs)
33%	Electromagnetic Technology

32% Microwave/RF30% Intelligent Systems

Company Size

The IEEE Spectrum audience encompasses manufacturers and other organizations that are of substantial size, and represent the technology market worldwide.

NUMBER OF EMPLOYEES

1 - 49	26.5%
50 - 99	5.8%
100 - 249	6.9%
250 - 499	5.6%
500 - 999	7.5%
1,000 - 4,999	15.5%
5,000 - 9,999	7.7%
10,000 - 19,999	5.6%
20,000 or more	19.0%

Many times, innovation in one industry sparks innovation in another completely unrelated industry. Very rarely, magazines support such sparks. IEEE Spectrum is one.

IEEE Member

The Media Brand That Makes an Impression

76% of subscribers use the content in IEEE Spectrum's suite of media proactively — to help form opinions and make decisions, and as reference for projects and discussions with colleagues.

It's where they first:

- · Learn of the existence of individual products/components vendors
- · Form impressions about what individual products/components vendors stand for
- · Position competitive vendors in their minds regarding their differences
- Determine which brands to evaluate as they move into the decision process

The IEEE Spectrum Audience

IEEE Spectrum is a broad media brand, from both editorial and market coverage points of view, because the curiosity of our audience dives far deeper than competitive vertical EE publications.

92% Agree that the brand advances the art of engineering/R&D for technology products

83% Read all or most issues front to back

79% Use one or more media on the website

68% Cannot be reached via any other individual media brand

60% Take action based on ads in the publication and on the website

Geographic Profile of Website Users

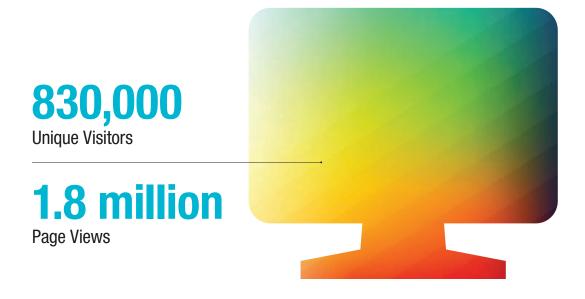
50% United States/Canada

19% Asia/Pacific Rim

27% Europe/Africa/Middle East

4% Latin America

Online Monthly Statistics



High-Impact Products — Lead Generation, Paid Content, Banners and Custom Research

Custom and Native Content

Whether client-supplied or generated by IEEE Spectrum, associating your brand with our content will position your company as a forward-thinking, technology leader.

Banners

Viewed by our highly-qualified global audience — 72% of the U.S. audience are tech professionals and 55% of the overall audience have graduate degrees or higher.

Webinars

Our IEEE Spectrum Tech Insiders Webinars get attendance that beats industry averages by 112%, with 474 average registrants per webinar, and 300 leads guaranteed.

Spotlights

Highlight new products or distance learning and advanced degree programs to create buzz and additional interest — and get great contactable leads too!

White Papers

Consistently provide qualified leads, with 58% of IEEE Members frequently using technical papers.

Multimedia

Videos, slideshows and podcasts receive one third of site traffic, and offer both standard and high-impact advertising opportunities.

Blogs

Written by experts in their fields, our blogs receive 43% of all views on the website — 4.7k views per blog post.

Microsites

Deliver topic-focused content to an engaged audience looking for technical expertise to help them in their work.

Custom Research

We will tailor a market study that meets your company's needs and budget — and provide you with timely and relevant market intelligence.

Newsletters

Six targeted options are available, plus our broader Tech Alert, which features highlights of IEEE Spectrum content to over 500,000 opt-in subscribers a week.

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IEEE Spectrum Tech Alert	500,000	Weekly	3.3%	24%
IEEE Spectrum EnergyWise	100,000	Monthly	3.1%	21%
IEEE Spectrum Robotics	100,000	Biweekly	3.7%	27%
IEEE Spectrum Test & Measurement	100,000	Biweekly	2.7%	32%
IEEE Spectrum Cars That Think	100,000	Biweekly	3.3%	32%
IEEE Spectrum Human OS	50,000	Biweekly	2.3%	27%
IEEE Spectrum Nanotech	100,000	Monthly	1.2%	19%

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of IEEE Spectrum subscribers say it's productive to have a broad suite of related media from the brand

^{*}For content

IEEE Publishes One Third of the World's Technical Content

IEEE Members both contribute to and utilize millions of IEEE-published scientific and technical documents in a wide variety of fields. They identify and develop primary focus technologies such as 5G, LTE and more for their research in product design and standards development.

Areas of Technology Your Advertising Can Reach

- Big Data
- Brain
- · Cybersecurity Initiative
- · Digital Senses
- Green ICT
- · Internet of Things (IoT)
- · Rebooting Computing
- · Smart Cities
- Smart Materials
- · Software Defined Networks (SDN)

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Aerospace & Defense	412,800
Automotive	225,400
Bio & Biometrics	270,300
Comp HardWare	236,600
Comp Software	287,000
Cybersecurity	129,300
Petroleum & Natural Gas	255,200
Power & Energy	615,700
Semiconductor	178,100
Smart Grid	116,800

263,200

Telecom

Number of Documents Published



Winner of 9 Editorial Awards in 2016

Advertise in a winning environment! Written by industry leaders and peers, IEEE Spectrum features content that consistently wins awards in the engineering media category every year.

American Business Media Neal Awards

Best Infographics / "Lessons from a Decade of IT Failures" / October 2015 Best Website / "IEEE Spectrum"

Finalist for Best Technical Article / "The Chip That Never Forgets" / June 2015

Association Media and Publishing Excel Awards

Gold / Single Topic Issue / "Hacking the Human OS" / June 2015

Gold / Website – Editorial Excellence / "IEEE Spectrum"

Silver / Design Excellence / "IEEE Spectrum Magazine"

Silver / General Excellence / "IEEE Spectrum Magazine"

Bronze / Video / "How Bitcoin Works"

Society of Publication Designers (SPD)

Merit / Best Photography / "IEEE Spectrum Cover" / December 2015



2017 Media Planner

Winner of 9 Editorial Awards in 2016



Month	Close	Materials	Editorial Features	2017 Bonus Distribution
Jan	1 Dec	8 Dec	Annual Technology/Prediction Analysis Issue	Consumer: CES, Las Vegas, NV Telecommunications: IEEE CCNC, Las Vegas, NV
Feb	30 Dec	6 Jan	Telecom: Phil Rosedale's Killer App for Virtual Reality Social Media Energy: Solar DC Homes in India Computing: Attack of the Clones Transportation: Jaguar/Range Rover's Projected Pattern Recognition	Semiconductors: IEEE Solid State Circuits, San Francisco, CA Telecommunications: Mobile World Congress, Barcelona, Spain
Mar	1 Feb	8 Feb	Computing: Microsoft's Underwater Servers Energy: Replacing the Transformer Energy: Stationary Batteries Biomedical: Robert Woo: Exoskeleton Test Pilot	Telecommunications: Optical Fiber Communications, Los Angeles, CA Telecommunications: IWCE, Las Vegas, NV Telecommunications: IEEE WCNC, San Francisco, CA Telecommunications: ICASSP, New Orleans, LA
Apr	1 Mar	8 Mar	 Telecom: Replacing the Internet Aerospace: X-ray Free Electron Lasers Transportation: Top 10 Tech Cars Geek Life: PowerPoint at 30 Telecom: Wireless Interconnects 	Telecommunications: NAB, Las Vegas, NV Telecommunications: INFOCOM, Istanbul, Turkey SHRM Talent Management Conference & Exposition, Chicago, IL Computing/Telecommunications/Semiconductors: IEEE RFID 2017, San Diego, CA
May	31 Mar	7 Apr	Biomedical: Digital Psychiatry Green Tech: An Improved Electric Motor Robotics: Robotic Octopus Gadgets: Electronic Monitoring of Offenders Profile: IEEE MOH Winner	Semiconductors/Computer: IoT Conference, Santa Clara, CA Telecommunications: IEEE ICC, Paris, France
Jun	1 May	8 May	Special Issue: Can We Copy the Brain?	Telecommunications: MTT, Honolulu, HI Computing/Semiconductors: DAC, San Francisco, CA Telecommunications: IEEE SECON, TBD World Science Festival, New York, NY
Jul	1 Jun	8 Jun	Telecom: Skyjacked Wifi Biomedical: Smart Contact Lenses Robotics: Rolls Royce's Roboship Computing: Privacy of Public Data Energy: Vannevar Bush and Solar Energy	Semiconductors: IEEE SEMICON WEST, San Francisco, CA Energy: IEEE Power & Energy Society Meeting, Chicago, IL Telecommunications: Antennas and Propagation, San Diego, CA
Aug	30 Jun	7 Jul	Computing: Could Hackers Steal Time? Aerospace: Electric Plane Biomedical: Bio-electronic Chips	Energy: EMC, Washington, DC Computing/Consumer: Flash Memory Summit, Santa Clara, CA
Sep	1 Aug	8 Aug	Computing: Stochastic Computing Energy: Dendrites in Lithium-ion Batteries	Telecommunications: IEEE PIMRC, TBD Telecommunications: CTIA Wireless, Las Vegas, NV Computing: COMSOL Conference, TBD Computing: COMSOL Conference, Boston, MA
ОСТ	1 Sep	8 Sep	Telecom: How Europe's Rail Comm System Could Inspire 5G	Telecommunications: IEEE MILCOM, Tampa, FL Telecommunications: Futurecom, Sao Paulo, Brazil
Nov	2 Oct	9 Oct	GreenTech: 3D Mapping of the Roadbed Semiconductors: Silicon Photonics	Computing: IEEE/ACM Conference on Computer-aided Design, Irvine, CA Computing: Supercomputing, TBD
Dec	1 Nov	8 Nov	Robotics: Al-enabled Diagnostics	Telecommunications: IEEE GLOBECOM, TBD, Singapore Energy: PowerGen, Las Vegas, NV

Editorial calendar is subject to change. For real-time editorial calendar, visit advertise.ieee.org/display-ed-cal.

2017 Advertising Rates



Online Advertising				Impressio	ns			
Banners		Size	CPM	50,000	75,000	100,000	150,000	200,000
Leaderboard	72	8 x 90	\$90	\$4,500	\$6,620	\$8,730	\$12,960	\$17,100
Medium Rectangle	300	x 250	80	4,000	5,870	7,760	11,520	15,200
Half Page	300	x 600	100	5,000	7,350	9,700	14,400	19,000
Rich Media Units	Size	CPM	Impressions			Туре	Freq	Rate
Welcome Mats	640 x 480	250	50K Min	Banner Ro	oadblocks	Home Page	Per Day	\$4,000
Peel/Tear Back	800 x 600	180	50K Min					

Mobile Site Ad Units For rates and availability, please contact salesperson.

 $\begin{array}{lll} \text{Small Banner} & 320 \text{ x } 50 \\ \text{Large Banner} & 320 \text{ x } 100 \\ \text{Medium Rectangle} & 300 \text{ x } 250 \\ \end{array}$

Content Sponsorships	Alerts and Newsletters	Lead Guarantee Program	s Rate	Leads
Video Content	IEEE Spectum Tech Alert	Single-Sponsored Webcasts	\$15,000 Per Sponsor	300
Custom Content	IEEE Spectrum Cars That Think	Multi-Sponsored Webinars	8,000 Per Sponsor	300
Native Content	IEEE Spectrum EnergyWise	White Papers	4,000 Per Sponsor	150
Microsites	IEEE Spectrum Robotics News	New Product Spotlight, Biweekly	2,225 - 2,475	100+*
	IEEE Spectrum Test & Measurement IEEE Spectrum Human OS Newsletter IEEE Spectrum Nanotech News	University Spotlight, 6x	3,000 - 3,500	200+*
	•			

For more options, rates and availability, please contact salesperson.

*Leads are based on ad position.

Print Advertising	1X	6X	12X	18X	24X	36X
North America Edition, 206,756 Circulation						
1 Page	\$18,900	\$17,850	\$17,075	\$16,275	\$15,375	\$14,700
2/3 Page	16,050	15,250	15,000	14,750	14,000	12,450
1/2 Island	13,675	13,000	12,350	11,700	11,130	10,550
1/2 Page	11,600	11,025	10,475	9,950	9,450	9,000
1/3 Island Horizontal	9,870	9,375	9,000	8,450	8,050	7,650
1/3 Page	8,870	8,425	8,050	7,625	7,225	6,875
1/4 Page	8,050	7,575	7,225	6,850	6,525	6,300
North America Edition Special Positions						
Cover 4	\$23,625	\$22,500	\$21,525	\$21,000	\$19,250	\$18,500
Cover 2 & 3 & Contents	22,050	21,000	20,000	19,000	18,250	16,800
Non-North America Edition, 176,186 Circulation						
1 Page	\$10,500	\$9,975	\$9,475	\$9,000	\$8,550	\$8,125
2/3 Page	8,925	8,475	8,050	7,650	7,275	6,900
1/2 Island	7,575	7,200	6,850	6,500	6,175	5,875
1/2 Page	6,450	6,125	5,825	5,525	5,250	4,975
1/3 Island Horizontal	5,500	5,225	4,950	4,700	4,475	4,250
1/3 Page	4,950	4,675	4,450	4,225	4,025	3,825
1/4 Page	4,100	3,900	3,700	3,525	3,350	3,175

All rates are for 4-color, 2-color and black & white ads. For custom content rates and information, please contact salesperson.

Contact Us Production: Felicia Spagnoli +1 732 562 6334

Online mechanical specs: advertise.ieee.org/spectrum-banners

Print mechanical specs: advertise.ieee.org/spectrum-print Advertising media center: advertise.ieee.org



Supplied Advertising Material

Electronic advertising files

Press-ready Adobe PDF files preferred. EPS files, be sure to include TIF images in CMYK and supply a list of fonts that are used within that file. Send EPS files on CD along with original application file with digital proofs — color if applicable.

Proofing

For color ads, 1 SWOP press proof with color bars or off-press proof.

Maximum Screen

133 lines

Maximum Tonal Density

Black & White – 85% for areas not intended to print solid. Black & 1-Color – 160%. 4-Color – 300% with only one solid.

Trim Size

7.875" x 10.5". The live copy area for bleed is 7" x 10".

Live Material for Bleed Units

For bleed pages, columns, and halves, keep essential matter .375" from top and bottom and .5" from left and right side of all pages, and at least .625" from bleed edge on both pages of facing page spread.

Live material in facing pages should not be closer than .125" on each page to center fold. Publisher reserves right to crop .1875" from either side of full pages and two-column units and .25" from either side of one-column units to compensate for variation in trim page size. Engraver's mark must be etched in bearer top and bottom at center of each page for guide in cutting apart.

Mailing Instructions

Send all orders, contracts, proofs, and films to:

IEEE Spectrum Magazine
Advertising Production Department
445 Hoes Lane
Piscataway, NJ 08854
Tel +1 732 562 6334

Email fs.ieeemedia@ieee.org

Published Monthly

Issued last week of month preceding issue date.

Issuance and Closing Dates

Closing Dates

Space reservations 1st of month preceding date of issue (12 noon Pacific Standard Time). Copy to be set 1st of month preceding date of issue. Complete films or artwork 8th of month preceding date of issue. Cancellations not accepted after closing dates. Cancellations not accepted on cover and preferred position contracts without written notice to publisher 30 days before closing date.

General Information

Printing material will be destroyed 12 months after issue date unless otherwise instructed in writing. Inquiries concerning printed reproduction should be submitted within 3 weeks of issue date.

Production Charge

There will be a minimum charge of \$50.00 non-commissionable for any changes to any ad.

Online Specs

advertise.ieee.org/spectrum-banners

Contract and Copy Regulations

advertise.ieee.org/regulations.pdf

Commission

15% of gross billing allowed to recognized agencies on space, color, and position, provided account is paid within 30 days from invoice date.

Frequency Rates

Frequency rates are based on number of units within a 12-month contract year. Two-page spreads count as two units. Space run in any advertising edition counts toward frequency. All positions are ROP or Publisher's Choice.

Unit Sizes Available

Inches	Non-Bleed	Bleed	Millimeters	Non-Bleed	Bleed
1 Page	7" x 10"	8.125" x 10.75"	1 Page	178mm x 254mm	206mm x 273mm
2 Facing Pages	15.125" x 10" Gutter Bleed	16.25" x 10.75"	2 Facing Pages	384mm x 254mm Gutter Bleed	413mm x 273mm
2/3 Page Vertical	4.5625" x 10"	5.3125" x 10.75"	2/3 Page Vertical	116mm x 254mm	135mm x 273mm
1/2 Page Island	4.5625" x 7.375"	5.3125" x 8"	1/2 Page Island	116mm x 188mm	135mm x 204mm
1/2 Page Vertical	3.25" x 10"	4.0625" x 10.75"	1/2 Page Vertical	83mm x 254mm	104mm x 273mm
1/2 Page Horizontal	7" x 4.75"	8.125" x 5.25"	1/2 Page Horizontal	178mm x 121mm	206mm x 133mm
1/3 Page Vertical	2.1875" x 10"	3.0625" x 10.75"	1/3 Page Vertical	56mm x 254mm	81mm x 273mm
1/3 Page Square	4.5625" x 4.75"	5.3125" x 5.25"	1/3 Page Square	116mm x 121mm	135mm x 133mm
1/4 Page Square	3.25" x 4.75"		1/4 Page Square	83mm x 121mm	

Note: millimeters are only used whole



3 Park Avenue, 17th Floor New York, NY 10016-5997 Tel +1 212 705 8939 Fax +1 212 419 7589 spectrum.ieee.org

Social Media Stats - Projections for 1/2017

Information in this Media Kit was extracted from:
2014 IEEE Spectrum Research,The Changing Dynamics of Technology Innovation by Martin Akel and Associates
June 2014 IEEE Member Demographics
2012 BPA Audit – November Analyzed Issue
2015 BPA Audit – November Analyzed Issue
2013 IEEE Spectrum Web Study, Mark Rothman and Associates, Inc.
2013 IEEE Spectrum Signet Subscriber Study
November 2011 IEEE Member Demographics
Parse.ly Analytics
0N24 Industry Averages

