

EVENT AUDIT

2018 IEEE MTT-S International Microwave Symposium



**The 2018 IEEE MTT-S
International Microwave Symp**
10-15 June 2018 Philadelphia, PA

DATES OF EVENT:

Conference: June 10 - 15, 2018
Exhibits: June 12 - 14, 2018

LOCATION:

Pennsylvania Convention Center, Philadelphia, PA 19107

EVENT PRODUCER/MANAGER:

Company Name: Institute for Electrical & Electronics Engineers – Microwave
Theory and Techniques Society (IEEE MTT-S)
Address: 1721 Boxelder St. Ste. 107
Louisville, CO 80027
Phone: (303) 530-4562
Website (Show): www.ims2018.org

REGISTRATION COMPANY:

MP Associates, Inc.

YEAR EVENT ESTABLISHED:

1959

FREQUENCY:

Annual

DATES OF NEXT EVENT:

Conference: June 2 - 7, 2019
Exhibits: June 4 - 6, 2019

LOCATION:

Boston Convention & Exhibition Center, Boston, Massachusetts

1. STATEMENT OF MARKET SERVED

Engineers and researchers developing technologies to support wireless communication, radar, RF technologies, high frequency semiconductors, electromagnetics, commercial and military RF, microwave and mm-wave electronics and applications.

Qualified attendees include senior management, engineering management, engineers, and R & D personnel employed in the private sector or by the government/military.

2. STATEMENT OF VERIFICATION METHODOLOGY

All badges were printed on site, at which point the attendee was entered into the system as verified.

3. AUDITED ATTENDEE ANALYSIS

YEAR EVENT HELD	EVENT LOCATION	TOTAL CONFERENCE ATTENDEES	TOTAL EXHIBITS ONLY ATTENDEES	SUB-TOTAL CONFERENCE & EXHIBITS ONLY ATTENDEES	SPEAKERS*	MEDIA	EXHIBITORS, NON- EXHIBITING SPONSORS AND THEIR SUPPORT STAFF**	Total
2011	Baltimore	2,294	1,907	4,201	--	31	4,220	8,421
2012	Montreal	2,599	1,463	4,062	--	35	3,568	7,665
2013	Seattle	2,312	1,395	3,707	--	38	3,760	7,505
2014	Tampa	2,370	1,443	3,813	--	37	3,828	7,678
2015	Phoenix	2,889	1,701	4,590	--	57	3,993	8,640
2016	San Francisco	2,884	2,695	5,579	--	61	4,365	10,005
2017	Honolulu	2,154	712	2,866	--	30	2,530	5,426
2018	Philadelphia	2,635	1,757	4,392	--	36	4,009	8,437

* Included as Conference Attendees. ** Not audited. Count supplied by Show Management.

EVENT AUDIT

2018 IEEE MTT-S International Microwave Symposium



4. PRIMARY END PRODUCT/SERVICE

PRIMARY END PRODUCT/SERVICE	TOTAL ATTENDEES	PERCENT OF TOTAL	PERCENT PROVIDING PRIMARY END PRODUCT
Communication Systems, Equipment	677	15.3%	16.2%
Wireless (WiFi, WiMAX, UWB, other)	254	5.7%	6.1%
Government - Military	268	6.1%	6.4%
Government - Other	74	1.7%	1.8%
Defense Electronics	395	8.9%	9.5%
Medical Electronics	113	2.6%	2.7%
Navigation/Telemetry/GPS Systems	22	0.5%	0.5%
Industrial Automation/Control Systems	37	0.8%	0.9%
Transportation (Automotive/Aviation)	43	1.0%	1.0%
Consumer Electronics	77	1.7%	1.8%
Computers or Peripherals	15	0.3%	0.4%
Test & Measurement	345	7.8%	8.3%
Components/Hardware	452	10.2%	10.8%
RF/HF Front-End Modules	487	11.0%	11.7%
Data Transmission	31	0.7%	0.7%
Semiconductors & ICs	564	12.7%	13.5%
Materials	139	3.1%	3.3%
Services	56	1.3%	1.3%
Software (EDA/CAD/CAM etc.)	78	1.8%	1.9%
Retiree	52	1.2%	1.2%
Total Conference and Exhibit Only Attendees Providing this Information	4,178	94.4	100.0
Total Conference and Exhibit Only Attendees Not Providing this Information	250	5.6	--
TOTAL CONFERENCE AND EXHIBIT ONLY ATTENDEES	4,428	100.0	100.0

5. PRIMARY JOB FUNCTION

PRIMARY JOB FUNCTION	TOTAL ATTENDEES	PERCENT OF TOTAL	PERCENT PROVIDING PRIMARY JOB FUNCTION
Executive/Senior Management	636	14.4%	14.9%
Executive/Senior Technology Development	169	3.8%	4.0%
Engineering Management	271	6.1%	6.3%
Design Engineering	673	15.2%	15.7%
Engineering Services	88	2.0%	2.1%
Manufacturing/Production Engineering	96	2.2%	2.2%
Application Engineer	124	2.8%	2.9%
Procurement/Purchasing	35	0.8%	0.8%
Professor / Research - Academic	540	12.2%	12.6%
Research & Development - Government	123	2.8%	2.9%
Research & Development - Industry	316	7.1%	7.4%
Student	553	12.5%	12.9%
Financial or Industry Analyst	14	0.3%	0.3%
Editor/Publisher	38	0.9%	0.9%
Marketing/Sales	482	10.9%	11.3%
Consultant	70	1.6%	1.6%
Retiree	48	1.1%	1.1%
Total Conference and Exhibit Only Attendees Providing this Information	4,275	96.5	100.0
Total Conference and Exhibit Only Attendees Not Providing this Information	153	3.5	--
TOTAL CONFERENCE AND EXHIBIT ONLY ATTENDEES	4,428	100.0	100.0

EVENT AUDIT

2018 IEEE MTT-S International Microwave Symposium



6. PRODUCTS AND/OR SERVICES YOU RECOMMEND, PURCHASE, OR INFLUENCE THE PURCHASE OF

PRODUCTS AND/OR SERVICES YOU RECOMMEND, PURCHASE, OR INFLUENCE THE PURCHASE OF	TOTAL ATTENDEES	PERCENT PROVIDING PURCHASE INFORMATION
Active Components	1808	41.5%
Antennas	1180	27.1%
Control Components	604	13.9%
Materials	963	22.1%
Manufacturing Equipment	448	10.3%
Optoelectronics & Fiber-Optics	389	8.9%
Passive Components	1903	43.7%
Semiconductors/Integrated Circuits	1541	35.4%
Services	444	10.2%
Signal Processing Components	534	12.3%
Software & CAD	943	21.6%
Subsystems & Systems	839	19.2%
Test Equipment and Instruments	1514	34.7%
Transmission-Line Components	721	16.5%
Consultant Services	313	7.2%
Not Applicable	752	17.3%
Total Conference and Exhibit Only Attendees Providing this Information	4,359	100.0
Total Conference and Exhibit Only Attendees Not Providing this Information	69	--
TOTAL CONFERENCE AND EXHIBIT ONLY ATTENDEES	4,428	100.0

Multiple responses allowed, hence total number of responses exceeds the total attendance and category counts should not be added together.

7. FREQUENCY RANGE OF YOUR PRIMARY WORK

FREQUENCY RANGE OF PRIMARY WORK	TOTAL ATTENDEES	PERCENT OF TOTAL	PERCENT PROVIDING FREQUENCY RANGE
RF	3200	72.3%	74.4%
Microwave	2945	66.5%	68.5%
Millimeter-wave	2133	48.2%	49.6%
Terahertz	474	10.7%	11.0%
Other	265	6.0%	6.2%
Total Conference and Exhibit Only Attendees Providing this Information	4,301	97.1	100.0
Total Conference and Exhibit Only Attendees Not Providing this Information	127	2.9	--
TOTAL CONFERENCE AND EXHIBIT ONLY ATTENDEES	4,428	100.0	100.0

EVENT AUDIT

2018 IEEE MTT-S International Microwave Symposium

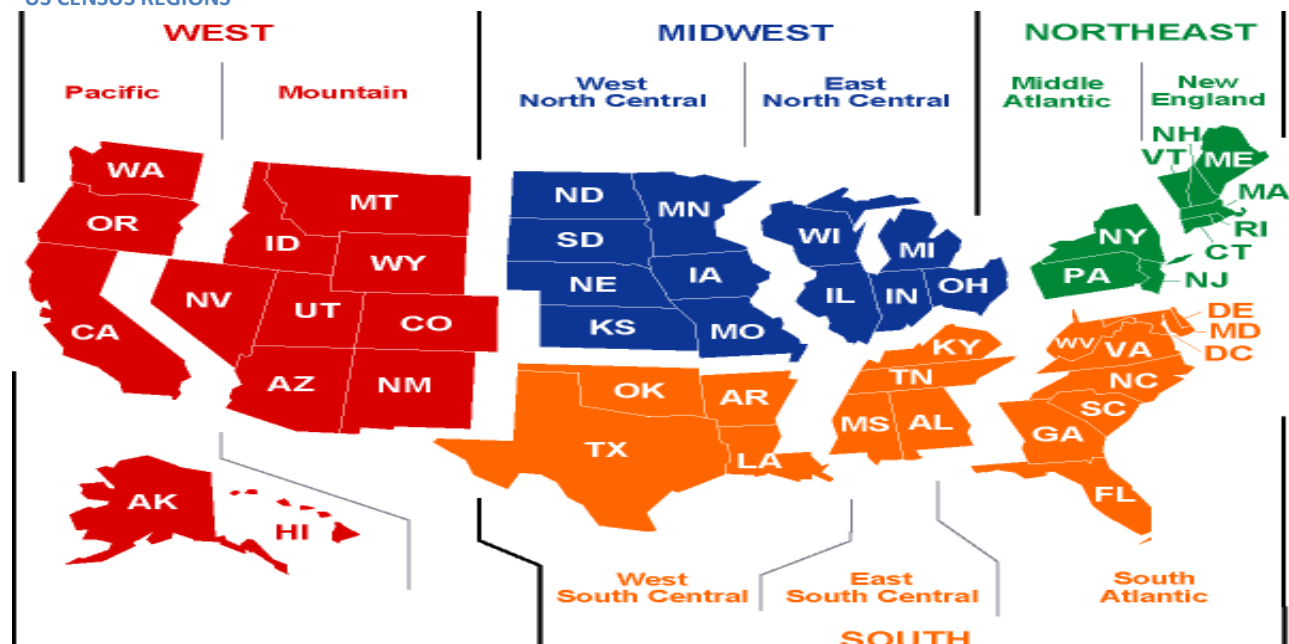


8. AUDITED GEOGRAPHIC BREAKOUT OF CONFERENCE AND EXHIBIT ONLY ATTENDEES

STATE	TOTAL	PERCENT
NEW ENGLAND	356	11.60%
Maine	16	
New Hampshire	55	
Vermont	9	
Massachusetts	234	
Rhode Island	10	
Connecticut	32	
MIDDLE ATLANTIC	931	30.34%
New York	237	
New Jersey	322	
Pennsylvania	372	
EAST NORTH CENTRAL	186	6.06%
Ohio	47	
Indiana	37	
Illinois	54	
Michigan	37	
Wisconsin	11	
WEST NORTH CENTRAL	46	1.50%
Minnesota	22	
Iowa	12	
Missouri	4	
North Dakota	0	
South Dakota	0	
Nebraska	0	
Kansas	8	
SOUTH ATLANTIC	629	20.50%
Delaware	49	
Maryland	245	
District of Columbia	37	
Virginia	93	
West Virginia	5	
North Carolina	73	
South Carolina	6	
Georgia	47	
Florida	74	

STATE	TOTAL	PERCENT
EAST SOUTH CENTRAL	12	0.39%
Kentucky	1	
Tennessee	6	
Alabama	5	
Mississippi	0	
WEST SOUTH CENTRAL	166	4.30%
Arkansas	3	
Louisiana	0	
Oklahoma	5	
Texas	124	
MOUNTAIN	52	1.69%
Montana	0	
Idaho	1	
Wyoming	0	
Colorado	51	
New Mexico	9	
Arizona	69	
Utah	7	
Nevada	3	
PACIFIC	637	20.76%
Alaska	0	
Washington	23	
Oregon	36	
California	572	
Hawaii	6	
UNITED STATES	3,069	69.31
INTERNATIONAL		
Canada	132	2.98
Mexico	3	0.07
Outside North America	1224	27.64
Not Providing this Information	--	--
Total Conference & Exhibit Only Attendees	4,428	100.00

US CENSUS REGIONS



EVENT AUDIT

2018 IEEE MTT-S International Microwave Symposium



8A. AUDITED BREAKOUT OF ALL CONFERENCE AND EXHIBITS ONLY ATTENDEES OUTSIDE NORTH AMERICA

COUNTRY	CODE	TOTAL	PERCENT	COUNTRY	CODE	TOTAL	PERCENT
Afghanistan	AF	1	0.02%	India	IN	27	0.61%
Netherlands Antilles	AN	1	0.02%	Italy	IT	56	1.26%
Argentina	AR	1	0.02%	Japan	JP	134	3.03%
Austria	AT	15	0.34%	Korea, Democratic People's Rep. of	KP	1	0.02%
Australia	AU	6	0.14%	Korea, Republic of	KR	111	2.51%
Belgium	BE	20	0.45%	Netherlands	NL	36	0.81%
Brazil	BR	6	0.14%	Norway	NO	4	0.09%
Switzerland	CH	6	0.14%	Peru	PE	2	0.05%
Chile	CL	1	0.02%	Philippines	PH	3	0.07%
China	CN	144	3.25%	Poland	PL	10	0.23%
Cyprus	CY	1	0.02%	Portugal	PT	12	0.27%
Czech Republic	CZ	7	0.16%	Romania	RO	3	0.07%
Germany	DE	140	3.16%	Serbia	RS	2	0.05%
Denmark	DK	4	0.09%	Russian Federation	RU	7	0.16%
Egypt	EG	1	0.02%	Saudi Arabia	SA	2	0.05%
Spain	ES	29	0.65%	Sweden	SE	61	1.38%
Finland	FI	16	0.36%	Singapore	SG	16	0.36%
France	FR	90	2.03%	Slovakia	SK	1	0.02%
United Kingdom	GB	75	1.69%	Thailand	TH	1	0.02%
Hong Kong	HK	17	0.38%	Turkey	TR	8	0.18%
Ireland	IE	13	0.29%	Taiwan, Province of China	TW	72	1.63%
Israel	IL	53	1.20%	South Africa	ZA	8	0.18%
TOTAL Conference & Exhibit Attendance Outside North America						1224	27.64
TOTAL North America						3204	72.36
Not Providing this Information						--	--
Total Conference & Exhibit Attendance						4,408	100.00

EVENT AUDIT

2018 IEEE MTT-S International Microwave Symposium



REGISTRATION FORM: page 1



The 2017 IEEE MTT-S
International Microwave Symposium
4-9 June 2017 Honolulu, HI

IMS - RFIC - ARFTG REGISTRATION FORM

Honolulu, Hawai'i

- 1** All Early Bird and Advance registration must be received by 8 May and 20 May, respectively, for appropriate costs to apply.
by fax: +1 (303) 530-4334

by mail: IMS 2017 Registration, MP Associates, Inc.
1721 Boxelder St. Suite 107
Louisville, CO 80027 USA

2 Attendee Information

First Name

Last Name

Company

Title

Street

City

Mail Stop

State

Postal Code

Country

Email

Secondary Email

Telephone

IEEE Membership #

Student ID #

Member of: ☐ MTT-S ☐ ARFTG

3 Attendee Survey

- 1) What is your principal job function?
- ☐ 101 Executive/Senior Management
 - ☐ 102 Engineering Management
 - ☐ 103 Design Engineering
 - ☐ 104 Executive/Senior Technology Development
 - ☐ 105 Engineering Services
 - ☐ 106 Manufacturing/Production Engineering
 - ☐ 107 Application Engineer
 - ☐ 108 Procurement/Purchasing
 - ☐ 109 Professor/Research - Academic
 - ☐ 110 Research & Development - Government
 - ☐ 111 Research & Development - Industry
 - ☐ 112 Student
 - ☐ 113 Financial or Industry Analyst
 - ☐ 114 Editor/Publisher
 - ☐ 115 Marketing/Sales
 - ☐ 116 Consultant
 - ☐ 117 Retiree

- 2) What primary end product or service do you work on?
- ☐ 201 Communication systems, equipment
 - ☐ 202 Wireless (WiFi, WiMAX, UWB)
 - ☐ 203 Government - Military
 - ☐ 204 Government - Other
 - ☐ 205 Defense Electronics
 - ☐ 206 Medical Electronics
 - ☐ 207 Navigation/telemetry/GPS systems
 - ☐ 208 Industrial automation/control systems
 - ☐ 209 Transportation (Automotive/Aviation)
 - ☐ 210 Consumer Electronics

- ☐ 211 Computers or peripherals
- ☐ 212 Test & Measurement
- ☐ 213 Components/Hardware
- ☐ 214 RF/HF Front-End Modules
- ☐ 215 Data Transmission
- ☐ 216 Semiconductors & ICs
- ☐ 217 Materials
- ☐ 218 Services
- ☐ 219 Software (EDA/CAD/CAM)
- ☐ 220 Retiree

- 3) Which products and/or services in the following areas do you recommend, purchase or influence the purchase of?

(Answer all that apply)

- ☐ 301 Active Components
- ☐ 302 Antennas
- ☐ 303 Control Components
- ☐ 304 Materials
- ☐ 305 Manufacturing Equipment
- ☐ 306 Optoelectronics & Fiber-Optics
- ☐ 307 Passive Components
- ☐ 308 Semiconductors/Integrated Circuits
- ☐ 309 Services
- ☐ 310 Signal Processing Components
- ☐ 311 Software & CAD
- ☐ 312 Subsystems & Systems
- ☐ 313 Test Equipment and Instruments
- ☐ 314 Transmission-Line Components
- ☐ 315 Consultant Services
- ☐ 316 Not Applicable

- 4) At what frequency is your primary work?

- ☐ 401 RF
- ☐ 402 Microwave
- ☐ 403 Millimeter-wave
- ☐ 404 Terahertz
- ☐ 405 Other

- 5) Number of engineers in your organization

- ☐ 501 10 or fewer
- ☐ 502 11 to 40
- ☐ 503 41 to 100
- ☐ 504 More than 100

- 6) Is this the first time you have attended International Microwave Week?

- ☐ 601 Yes
- ☐ 602 No

- 7) Are you an MTT member?

- ☐ 701 Yes
- ☐ 702 No

- 8) Did you graduate with your first professional degree within the last 15 years?

- ☐ 801 Yes
- ☐ 802 No

- 9) Would you like to be contacted by MTT-S to provide you with information on opportunities available to Young Professionals?

- ☐ 901 Yes
- ☐ 902 No

Would you like to receive emails from:

- ☐ IEEE and MTT-S ☐ Industry

IMS provides an email list of attendees to exhibitors. If you do NOT want to receive this correspondence, check here: ☐

2018 IEEE MTT-S International Microwave Symposium



Audience Insights

EVENT AUDIT

2018 IEEE MTT-S International Microwave Symposium



REGISTRATION FORM: page 3

6 Extra Proceedings & Digests		Early Bird (6 Feb - 8 May)				Advance (9 May - 2 June)			
		IEEE or ARFTG Membership		IEEE Life Member (Retiree) or Student IEEE Member		IEEE or ARFTG Membership		IEEE Life Member (Retiree) or Student IEEE Member	
		Member	Non-Member	Student Non-Member	Member	Non-Member	Student Non-Member	Member	Non-Member
IMS - Electronic (Distributed Via the Cloud)		<input type="radio"/> \$50	<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$50	<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$60	<input type="radio"/> \$90
RFIC - Electronic (Distributed Via the Cloud)		<input type="radio"/> \$50	<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$50	<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$60	<input type="radio"/> \$90
ARFTG - Electronic (Distributed Via the Cloud)		<input type="radio"/> \$50	<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$50	<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$60	<input type="radio"/> \$90
7 Events									
Awards Banquet (Wednesday Night)		<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$50	<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$60	<input type="radio"/> \$90
RFIC Sunday Evening (includes plenary session, industry showcase & reception)		<input type="radio"/> \$50	<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$50	<input type="radio"/> \$75	<input type="radio"/> \$75	<input type="radio"/> \$60	<input type="radio"/> \$90
8 Lunch									
Boxed Lunches	Mon Tues Wed Thurs Fri	<input type="radio"/> \$30	<input type="radio"/> \$30	<input type="radio"/> \$30	<input type="radio"/> \$30	<input type="radio"/> \$30	<input type="radio"/> \$30	<input type="radio"/> \$30	<input type="radio"/> \$30
9									
Card Number		Expiration Date		Total Remittance: \$					
<input type="radio"/> MasterCard		<input type="radio"/> Visa		<input type="radio"/> American Express		Security Code			
						Signature:			
10 Submit via Fax or Mail to:									
Make checks payable to: MTT-S-IMS2017									
Fax registrations accepted with credit card payment only!									
Attn: Registration Desk									
1721 Boxelder St., Ste 107 Phone Number: +1(303) 530-4562									
Louisville, CO 80027 USA Fax Number: +1(303) 530-4334									

Refund Policy: Written requests for cancellations received on or before 8 May, 2017 will be honored. Cancellations received after 8 May, 2017 will NOT be honored and all registration fees will be forfeited. After 26 May, 2017 faxed registrations will not be accepted in office. You MUST register on-site. TELEPHONE REGISTRATIONS WILL NOT BE ACCEPTED! ANY REGISTRATION WITHOUT PAYMENT WILL BE DISCARDED! If payment is received from a non-US bank, attendees will be charged a collection fee of \$45.00.

EVENT AUDIT

2018 IEEE MTT-S International Microwave Symposium



STATEMENT OF CERTIFICATION – AUDIT CONDUCTED BY AUDIENCE INSIGHTS

We have carefully examined the attendee records of the 2018 IEEE MTT-S International Microwave Symposium held in Philadelphia, PA. The audit process includes pre-event review of the registration and event access process, post event confirmations of attendance and attendee demographics, examination of accounting records, and any other auditing procedures considered appropriate or necessary. This audit complies with the standards set forth by the Exhibition and Event Industry Audit Commission (EEIAC), a not for profit commission organized for the purpose of managing and overseeing the exhibition industry's independent audit process.

Based on our review and analysis, the statements set forth in this report fairly and accurately present the total attendance of this event in conformance with generally accepted event measurement practices.

Audience Insights

Framingham, MA