

# Young Professionals: Skills That Enable Impact in Microwaves, Medicine, and Mobility

*Eric Naglich, Simone Bastioli, and Tushar Sharma*

This year's IEEE Microwave Theory and Techniques Society (MTT-S) International Microwave Symposium (IMS) Steering Committee urges the engineering community to be a part of the future of health care and the benefits of a connected lifestyle through the theme "Microwaves, Medicine, and Mobility." Medicine and mobility are increasingly interesting applications of microwave engineering, especially among students and young professionals eager to make a positive mark on the world.

The IEEE Young Professionals (YPs) is an international community of innovative members interested in elevating their professional image, expanding

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*Eric Naglich (eric.naglich@nrl.navy.mil) is with the U.S. Naval Research Laboratory, Washington, D.C., United States. Simone Bastioli (sbastioli@rsmicro.com) is with RS Microwave Company Inc., Butler, New Jersey, United States. Tushar Sharma (sharma.tushar17@ieee.org) is with the University of Calgary, Alberta, Canada.*

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their global network, connecting with peers locally, and giving back to the community. A multitude of prestigious companies, universities, and institutions are regularly making great strides in these socially important and technically challenging fields. Many are eagerly looking for the next generation of engineers and scientists who will use their valuable skills to develop, guide, and invent exciting advances that push the human condition forward. However, as a young professional, it isn't always obvious which skills are most valuable or missing from one's repertoire.

That is why we have gathered diverse and inspiring panelists from the academic and industrial microwave communities, who will discuss what skills their organizations look for in a young engineering professional, desired skills they see young professionals lacking most, and how their pursuit of skills benefited them throughout their careers.

Mark your program book, tell your friends, follow the echoes of the Liberty Bell, and join the IMS2018 YP panel in Philadelphia to learn exciting lessons like these from the insiders. The panel will be an interactive and open session, so come

Young Professionals Event  
Skills that Enable Impact in  
Microwaves, Medicine, and Mobility




Panelists Include:

- Brian Rautio, Sonnet Software
- Joel Johnson, Harris Corporation
- Additional Academic and Industrial Leaders

prepared to ask engaging questions and meet new colleagues. A reception with fun, food, and networking will follow at Lucky Strike Philadelphia.

### Panel Session

“Starting a Career in Microwaves, Medicine, and Mobility: Skills That Stand Out and Enable Impact”

Date: Tuesday, 12 June 2018

Location: Philadelphia Convention Center, room 201A

Time: 5:30 p.m.

### Networking Event

Lucky Strike Philadelphia

Date: Tuesday, 12 June 2018

Location: 1336 Chestnut Street, Philadelphia, Pennsylvania 19107

Time: 7:30–9:30 p.m.



## RF Boot Camp Comes to IMS2018 in Philadelphia *(continued from page 48)*



**Figure 2.** A refresher session during IMS2017 RF Boot Camp.

- signal generation
- modulation and vector signal analysis
- microwave antenna basics
- introduction to radar/early warning and radar measurements.

The last of these was introduced at IMS2017 and was particularly well received. In fact, all the topics presented last year received rave reviews from the audience of more than 50 attendees.

Join us at IMS2018 in Philadelphia for the next RF Boot Camp. If you're unable to attend RF Boot Camp, consider some of the many other excellent Microwave Week technical and networking opportunities!



The topics for RF Boot Camp at IMS2018 will include

- the RF/microwave signal chain
- network characteristics, analysis, and measurement
- fundamentals of RF simulation
- impedance matching and device modeling basics
- introduction to RF and microwave filters
- spectral analysis and receiver technology

## IMS2018 Industry Workshops *(continued from page 50)*

- “Free Space Nondestructive Methods for Material Characterization, Process Control, and Antenna Mapping”
- “Full-Stack Deployed Modem Design with Software-Defined Radio”
- “How Integration of Data Converters Simplifies Designs in Various Industries”
- “How to Model When You Don't Have a Model”
- “Millimeter-Wave Measurement Insights”
- “Photonic SiGe BiCMOS Technology for Broadband Integrated Communication Circuits”
- “Practical Antenna Design Including Feed Networks”
- “RF Technologies Enabling 5G Systems”
- “Simulation and Optimization of Substrate Integrated Waveguide

Components Using the Mician  $\mu$ Wave Wizard”

- “Understanding System Simulation”
- “Using Very-Near-Field Scanners for Self-Interference Debugging in Communication Circuits.”

Please check the IMS2018 website ([www.ims2018.org](http://www.ims2018.org)) for details on the Industry Workshops and the presenters as well as the Industry Workshop schedule.

