

Joe Gering

Joe Gering has a BS from the University of Louisville and an MS and Ph.D. from the University of Illinois at Urbana-Champaign. He is currently the Director of Modeling and Characterization with Qorvo. His group covers modeling (large-signal equivalent-circuit and behavioral), technology characterization and benchmarking, simulation methods, and a device metrology lab, all of which support Qorvo's internal GaAs and external GaAs and silicon processes. His technical interests include modeling and characterization of semiconductor devices and related measurement techniques with an emphasis on large-signal characterization. Prior to joining RFMD (which merged with TriQuint to form Qorvo), he was with Skyworks Solutions in the Modeling Group and before that Raytheon Company in several device development roles. He has over 35 years of experience with device development, modeling, and characterization and has worked with 94 GHz IMPATT diodes and 900 MHz HBTs and some things in between. Joe has been a member of ARFTG for 15 years and has served on the ARFTG Executive Committee for the past 10 years. He is the current ARFTG President and has held Sponsorship, Exhibits, and Secretary roles, previously. In the past, he was also a co-organizer of the NVNA Users' Forum. Joe has authored or been a co-author on several papers dealing with large-signal device measurement techniques and their relative accuracy.



Chong Li

I am passionate on developing RF and microwave measurement techniques for both fundamental research and industry. I am also enthusiastic about prompting measurement science to wider communities. I strongly believe ARFTG is the right platform. As a regular conference paper contributor and past TPC member of ARFTG, I have enjoyed my experience. However, I don't just want to "enjoy" it but contribute and serve to the conference and the group. Although I have failed twice in the previous campaign, my recent experience at EuMA and EuMW 2021 organizing committee has made me more competitive and I strongly believe I am the right candidate for the executive committee. Here below is my short biography.



I am a Lecturer in Electronics and Nanoscale Engineering and the Manager of Microwave and Terahertz Laboratories in James Watt School of Engineering, University of Glasgow, UK. Before re-joining Glasgow University in 2017, I was a Higher Research Scientist at UK's National Physical Laboratory (NPL) and a postdoc researcher at Glasgow University. My expertise includes on-wafer measurements, III-V semiconductor devices and micro-/nanofabrication.

I am the Group 4 (United Kingdom, Ireland, Gibraltar, Malta) representative to the European Microwave Association (EuMA) General Assembly and the Chair of Workshop & Short Courses, EuMW2021. I have served as a member of the technical program committee for several conferences including ARFTG. I am a Member of IET, a Senior Member of IEEE and an Associate Editor of Royal Society Open Science.

Jon Martens

Jon Martens has been working at Anritsu since 1995 where he is currently an engineering fellow. His areas of interest include measurement system architectures, calibration and measurement algorithms, microwave/mm-wave circuit design, and pathological measurements. He has authored or co-authored over 50 papers and has been issued over 20 patents.

Jon regularly serves on the ARFTG and IMS technical program committees, is a former associate editor for the Transactions on Microwave Theory and Techniques and is a member of the MTT-3 measurements technical subcommittee. He is currently serving as a Distinguished Microwave Lecturer for MTT. He was the technical program chair for three ARFTG conferences (Fall 2010, Spring 2011 and Spring 2014) and the general chair for two (Fall 2016 and Summer 2020). He is currently a member of ARFTG ExCom working on operations and liaison tasks. He looks forward to and is interested in serving ARFTG in the future.



Rusty Myers

Rusty Myers is a Master level Metrology Engineer at Keysight Technologies where he leads a small team of engineers involved in various projects related to measurement science and uncertainties of precision instruments. Most of his work is centered on Vector Network Analyzers and accessories including calibration kits, verification kits, ECal and network analyzer measurement accuracy.



Rusty has extensive experience with passive microwave components and electromechanical devices ranging from RF to sub-mm. During more than a decade at Maury Microwave, Rusty was involved in simulation, design, manufacturing and test of Maury's complete product portfolio. Over that time, he served in the role of Senior Engineer, Engineering Manager and Director of Engineering. He previously had positions in R&D and manufacturing at Agilent/HP working with a wide range of microwave products. He has a BS in Electrical Engineering with microwave specialization from the University of Illinois, Urbana.

As an active member of ARFTG, Rusty has attended, exhibited or participated in the preparation of nearly every ARFTG conference since 2004. He has served on the ARFTG Executive Committee previously as the Sponsorship Chair, Exhibitor Chair and is currently the Secretary and Membership Chair. He was the General Chair for the 80th ARFTG conference in San Diego and for the current 96th ARFTG conference being held virtually. He also represented ARFTG on the IMS2010 steering committee for the 75th conference. He is an IEEE MTT-S member who has given calibration talks at his local IEEE chapter with coordinated plant tours to IEEE student groups. He has been actively involved in measurement setups for the IMS student design competition. He has been a contributing member of the P1785 working group for waveguide standards above 110 GHz and the P287 working group for coaxial connector standards. He is looking for the opportunity to continue to serve ARFTG in the future.

Basim Noori

Basim Noori has been an active participant in the ARFTG and IEEE committees serving as a publication reviewer, panel organizer, speaker and local host. He published multiple papers, white papers, workshops and delivered invited talks. Basim is considered as one of the world experts on high power and mmWave Load-Pull and Source-Pull measurement methodologies. He has published multiple papers on this field.

On the technology side, Basim's set of expertise include high power amplifier cellular base station designs at Nokia Telecommunication and REMEC/Spectrian, Polar Transmitters at Tropian Inc., semiconductor design and measurements at Freescale Semiconductor Inc., mmWave and integrated antenna designs at Apple Inc.



Basim has managed several Measurement Technology teams and labs. In his current role as a Senior Director of RF Technology Development at Wolfspeed, Basim leads a global multi-discipline organization overseeing the research and development of new Device, Design and Packaging technologies.

Basim Noori received an Electrical Engineering Diploma from the Higher Technical Institute, Nicosia, Cyprus, in 1991, and the MSc degree in Mobile Communication Systems from the University of Surrey, Guildford, U.K. in 2000.

Measurements have been the core of my life since the very beginning. I used to insert my mother's hairpins into the electrical sockets to find out what is this 'thing' that hurts and why does one socket shake more than the other, no joke! If elected as a member of the executive committee, I intend to share my passion of measurement and metrology, and their importance in the critical decisions we make in our personal and professional lives.

Apolinar Reynoso-Hernández

Prof. J. Apolinar Reynoso-Hernández (AM'92-M'2003) received his Electronics and Telecommunications Engineering degree, M. Sc. degree in Solid State Physics and Ph. D. degree in Electronics, from ESIME-IPN, Mexico, CINVESTAV-IPN, Mexico and Université Paul Sabatier-LAAS du CNRS, Toulouse, France, in 1980, 1985 and 1989 respectively. His doctoral thesis was on Low frequency noise in MESFET and HEMTs. Since 1990 he has been a researcher at the Electronics and Telecommunications Department of CICESE in Ensenada, B. C., Mexico. His areas of specialized research interest include, high frequency on-wafer measurements, high frequency device modeling, linear and non-linear device modeling. Among the most outstanding contributions of Prof. Reynoso-Hernández and his research group to the theory of VNA calibration techniques are the development of the LZZ calibration technique and the generalized theory of the TRM calibration technique. He has contributed more 15 publications at the ARFTG and has led CICESE's Microwave group to obtain the best interactive forum paper award five times. Since 2013 he has served as TPC of ARFTG and has organized workshops for ARFTG and MTT.



Xiaobang Shang

Xiaobang Shang received the BEng degree (First Class) in Electronic and Communication Engineering in 2008 and the PhD degree in Microwave Engineering in 2011 from the University of Birmingham, UK. His doctoral research concerned micro-machined terahertz circuits and design of multi-band filters. After graduating he continued working at the University of Birmingham as a Research Fellow.

In 2017, Xiaobang joined the National Physical Laboratory (NPL) as a Senior Research Scientist where his main role is to develop measurement techniques at millimetre-wave and terahertz frequencies for communications and electronics technologies. He is also the Coordinator for EMPIR TEMMT project (May 2019 – July 2022), funded by EURAMET (the European Association of National Metrology Institutes).



Dr Shang is a Senior Member of IEEE, an executive committee member of IET RF and Microwave Technology Network, and an Associate Editor of IEEE Microwave and Wireless Components Letters. He is the Operational Officer for European Microwave Week 2021, and the Chair of 2019 IET Colloquium on Millimetre-wave and Terahertz Engineering and Technology. Dr Shang was the recipient of several prestigious awards including the ARFTG Microwave Measurement Student Fellowship Award in 2009, the IEEE Tatsuo Itoh Award in 2017 and the ARMMS Steve Evans-Pughe Prize in 2017. He has published over 80 scientific papers on microwave measurements and microwave circuits.