



Election at ARFTG-102

# ARFTG Executive Committee Candidates 2024

---

## Chong Li (University of Glasgow)

---



Chong Li currently holds the position of Professor of Microwave Engineering and serve as the Director of the Centre for Advanced Electronics (CAE) at the James Watt School of Engineering, University of Glasgow, UK.

Prior to re-joining Glasgow University in 2017, he served as a Higher Research Scientist at the UK's National Physical Laboratory (2014-2017) and worked as a postdoctoral researcher at the University of Glasgow (2011-2014). His expertise lies in on-wafer measurements, III-V semiconductor devices, and metasurfaces, antennas and propagation.

He represented Group 4 (United Kingdom, Ireland, Gibraltar, Malta) at the European Microwave Association (EuMA) General Assembly from 2018 to 2021 and held the position of Chair of Workshops & Short Courses at EuMW2021. Additionally, he has served as an Associate Editor of Royal Society Open Science from 2017 to 2023.

He serves as a member of the technical program committee for various conferences, including ARFTG and was recently appointed as the Co-Chair of EuMIC at EuMW2026 in London. He is an active Member of IET and a Senior Member of IEEE.

Dr. Li's passion lies in advancing RF and microwave measurement techniques for both fundamental research and industry applications, with a focus on on-wafer, noise, and load-pull measurements. He has authored over 40 peer-reviewed papers and patents in these areas. Recently, he led the commissioning of a £2.6M TiC6G test cluster dedicated to device and system characterization for future wireless/mobile communications. He is enthusiastic about promoting measurement science to wider communities and believes ARFTG provides the ideal platform for this endeavor.

Having actively participated as a regular conference paper contributor and past TPC member of ARFTG, including attending the conference in San Diego in person in June 2023, Dr. Li found great value in these experiences. However, his intention is not merely to enjoy the conference but to actively contribute and serve the ARFTG community. He is eager to serve on the Executive Committee and bring his dedication and expertise to the continued success of ARFTG.

---

## Angela C. Stelson (NIST)

---



Angela C. Stelson received her B.S. in Physics, Mathematics, and Political Science from the University of Oregon in Eugene, OR, USA (2012), and her Ph.D. in Materials Science and Engineering from Cornell University in Ithaca, NY, USA (2017).

Her graduate work focused on the electric field-directed assembly of colloids for photonic crystal applications. She joined the National Institute of Standards and Technology as a National Research Council Fellow in 2017 developing on-chip microwave microfluidics measurement techniques for chemical and biological applications.

Currently, Angela C. Stelson works in the Guided Wave Electromagnetics Group in the Communications Technology Laboratory developing traceable scattering parameter and microwave power calibrations. She is the calibration lead for NIST's S-parameters calibration service. This effort leads to reduced uncertainties across calibration laboratories that rely on traceability to NIST.

She has also worked extensively with on-chip microwave metrology to develop new calibration techniques with uncertainties for microwave microfluidic measurements. Currently, she is leading a project to develop broadband electric-acoustic measurements on-chip for physical chemistry applications.

Because she joined the field of electrical engineering after her PhD, she is newer to ARFTG but has been an instructor at the ARFTG/NIST short course as well as coauthoring multiple papers that have been presented in prior ARFTG conferences. She looks forward to participating more in the ARFTG community as the goals of advancing microwave metrology are well aligned with her current position as head of the S-parameters calibration service at NIST.

---

## Rusty Myers (Keysight Technologies)

---



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, Membership Chair, Secretary and is currently the Vice President. He was the General Chair for the 96th ARFTG conference held virtually and for the 80th ARFTG conference in San Diego. 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 for several years. 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 currently active on the P3136 waveguide interface working group and the P2822 on-wafer best practices working group. He is looking for the opportunity to continue to serve ARFTG in the future.

---

## Apolinar Reynoso-Hernández (CICESE, Mexico)

---



Prof. J. Apolinar Reynoso-Hernández (AM'92-M'2023, Life IEEE Member 2024) 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 developing the LZZ calibration technique and the generalized theory of the TRM calibration technique. He has contributed to more than 15 publications at the ARFTG and led CICESE's Microwave group to obtain the best interactive forum paper award five times.

His microwave measurement expertise is thus running for devices to circuits. Recently his lab developed a Low-Frequency LSNA testbed which he used to verify the practical realization in different semiconductor technologies of the novel continuous class-J and class-F at the current source reference planes.

Since 2013 he has served as a reviewer and TPC of ARFTG, as an Executive committee member of ARFTG, and as ARFTG-MTT Workshop organizer. Prof. Reynoso-Hernandez served the IEEE as a reviewer for the IEEE TRANSACTIONS MICROWAVE THEORY AND TECHNIQUES, IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS and a reviewer of the European Microwave Conference (EuMC). He is an Associate Editor of IEEE TRANSACTIONS MICROWAVE THEORY AND TECHNIQUES.

---

## Jon Martens (Anritsu)

---



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.

---

## Masahiro Horibe (Nagoya University, Japan)

---



Masahiro Horibe received his Ph.D. in quantum engineering from the Nagoya University, Japan, in 2001. He received a Postdoctoral Fellowship from the Japan Society for the Promotion of Science during 1999 - 2001.

In 2001, he joined Fujitsu Limited in Kanagawa, Japan. From 2001 to 2003, he worked in the Superconductivity Research Laboratory, International Superconductivity Technology Center, in Tokyo, Japan. In 2003, he started working on carbon-nanotube applications for integrated circuits in Fujitsu Laboratories Ltd., in Kanagawa, Japan. He is currently with the National Metrology Institute of Japan (NMIJ), National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan, where he is a Group Leader of Electromagnetic Measurement Research Group and involves in high-frequency precision-measurement activities and measurement applications.

He was a director of R&D coordination, METI, from 2021 to 2023, and planning officer, CSTI, CAO, from 2022 to 2023. He is now deputy director of global research and development center for business by quantum-AI technology (G-QuAT) in AIST. He regularly publishes at ARFTG and also served on the ARFTG Executive Committee from 2020-2022.