



Abbasi, Q. H. (2022) AP-S Young Professional Ambassador Program [Young Professionals]. IEEE Antennas and Propagation Magazine, 64(2), 79-80, 105.

There may be differences between this version and the published version. You are advised to consult the publisher's version if you wish to cite from it.

<https://eprints.gla.ac.uk/263476/>

Deposited on: 19 January 2022

Enlighten – Research publications by members of the University of Glasgow  
<https://eprints.gla.ac.uk>

## IEEE AP-S Young Professional Ambassador Program

Qammer H. Abbasi, Senior Member IEEE

---

### 1. Introduction

In 2021, IEEE AP-S Young Professional Committee started the new initiative i.e., IEEE AP-S Young Professional (YP) Ambassador Program. Objective of this program is to inspire and inform AP-S Young Professionals on a variety of topics both technical and non-technical to enhance their interest and engagement in the field of Antennas and Propagation by delivering the talks at various chapters/sections "on-demand" virtually, in addition to getting involved in various IEEE AP-S YP activities. The call for nominations is scheduled to open in July with deadline to submit nominations by mid-November of the same year. To be eligible, candidate should be an IEEE AP-S member, belong to IEEE YP Group as defined by IEEE (IEEE members and volunteers who have graduated from their first professional degree within the past 15 years) and 5 years or more experience reflecting professional maturity. The call for candidates will open once a year and Ambassadors are selected for a term of 1 year, with possible extension to a second year. The one-year term of selected candidate starts from January of following year. *All new Ambassadors are required to give at least two talks during the tenure of one year.*

### 2. Selection Process

IEEE AP-S YP Sub-committee was chaired by Qammer H. Abbasi with the members, Nelson Foneseca, Asimina Kiourti, Debdeep Sarkar and Jiang Zhu. Each candidate was asked to submit the nomination package with four mandatory files to the chair including, resume (2 pages maximum), title (s) of the maximum two talks, a brief writeup on benefits of the talk proposed to the AP-S YP Community and a 5 min short video sample of any proposed talk. Using the nomination package, each candidate was reviewed by two independent sub-committee members and given a score against three criteria's i.e., presentation skills (35%), a growing trajectory of accomplishment in the field of Antennas and Propagation (35%) and a quality and relevance of proposed lectures to YP (30%). The final weighted average score for each candidate was compiled and the selected candidate's nomination was put forward to IEEE AP-S YP committee for the approval of final candidate list based on the score.

### 3. AP-S Young Professional Ambassadors 2022

We received in total 19 Nominations from 10+ countries with candidates from both academia and industry. Top 12 candidates including 4 women (33.3%) from 9 countries, including Australia, China, Denmark, India, Namibia, Spain, Sweden, UK, USA were selected. Below is the list of selected AP-S YP Ambassadors for 2022 sorted according to their last names:

**Muhammad Ali Babar Abbasi**

Lecturer (Assistant Professor)  
Centre for Wireless Innovation (CWI)  
Queen's University Belfast  
United Kingdom

Email: [M.Abbasi@qub.ac.uk](mailto:M.Abbasi@qub.ac.uk)

Web: <https://pure.qub.ac.uk/en/persons/muhammad-ali-babar-abbasi>

LinkedIn: <https://www.linkedin.com/in/muhammad-ali-babar-abbasi-3b8a4928/>

**Talk 1:** B5G/6G Beamformers: Resetting Connectivity Performance

**Talk 2:** Disruptive Antenna Technologies making 5G a Reality

**Zhijiao Chen**

Associate Professor  
School of Electronic Engineering  
Beijing University of Posts and Telecommunications (BUPT)  
China

Email: [z.chen@bupt.edu.cn](mailto:z.chen@bupt.edu.cn)

**Talk 1:** Dielectric Resonator Antenna for Passive Shaped Beam Synthesis

**Talk 2:** Low-cost Planar Millimeter-wave Antenna Array for 5G and B5G

**Miguel Ferrando-Rocher**

Assistant Professor  
University of Alicante  
Spain

Email: [miguel.ferrando@ua.es](mailto:miguel.ferrando@ua.es)

Web: <https://cvnet.cpd.ua.es/curriculum-breve/es/ferrando-rocher-miguel/354662>

LinkedIn: <https://www.linkedin.com/in/mferrandorocher/>

**Talk 1:** Flat panel antennas for satellite communications on the move

**Talk 2:** Gap Waveguide Technology for Millimeter-Wave Antenna Systems

**Daniele Inserra**

Associate Professor  
University of Electronic Science and Technology of China  
China

Email: [inserradaniele@uestc.edu.cn](mailto:inserradaniele@uestc.edu.cn)

**Talk 1:** Why do we still need to talk about Radio Frequency Identification (RFID) and RFID antennas?

**Talk 2:** Wireless power transfer with microwave and mm-wave: is there anything concretely possible with this technology?


**Syeda Fizzah Jilani**

Lecturer  
 Department of Physics  
 Aberystwyth University  
 United Kingdom  
 Email: [sfj7@aber.ac.uk](mailto:sfj7@aber.ac.uk)  
 Web: <https://www.aber.ac.uk/en/phys/staff-profiles/listing/profile/sfj7/>  
 LinkedIn: <https://www.linkedin.com/in/syeda-fizzah-jilani-943943160/>

**Talk 1:** Advanced Manufacturing Techniques for the Millimeter-wave Flexible Antennas

**Talk 2:** Advanced Manufacturing Techniques for the Millimeter-wave Flexible Antennas to the AP-S YP Community.


**Mahrukh Khan**

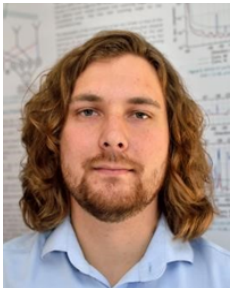
Assistant Professor  
 Department of Electrical and Computer Engineering  
 The College of New Jersey(TCNJ)  
 USA  
 Email: [khanm@tcnj.edu](mailto:khanm@tcnj.edu)  
 Web: <https://electrical-computerengineering.tcnj.edu/2020/08/12/dr-mahrukh-khan/>  
 LinkedIn: <https://www.linkedin.com/in/mahrukh-khan-152110a8/>

**Talk 1:** Addressing the challenges in compact antenna design solutions via surface current optimization.

**Talk 2:** Application of characteristic modes in improving the radiation characteristics of UWB Antennas.

**Talk 3:** Miniaturized UWB antennas for IOT and wearable applications.

**Talk 4:** Application of characteristic modes on high gain UWB platform integrated antennas.


**Heinrich Edgar Arnold Laue**

Communications engineer  
 Namibia Water Corporation Ltd  
 Namibia  
 Email: [hlaue@ieeee.org](mailto:hlaue@ieeee.org)  
 LinkedIn: <https://www.linkedin.com/in/laueheinrich/>

**Talk 1:** From old to new: How to properly apply novel ideas to a conventional research domain—the case of compressive antenna arrays

**Talk 2:** From new to old: How the transition from an academic environment to a real-world engineering environment can teach you valuable lessons about the broader aspects of the engineering profession


**Wei LIN**

Lecturer and ARC DECRA Fellow  
 University of Technology Sydney  
 Australia  
 Email: [WEI.LIN@uts.edu.au](mailto:WEI.LIN@uts.edu.au)  
 Web: <https://profiles.uts.edu.au/wei.lin>  
 LinkedIn: <https://www.linkedin.com/in/wei-lin-b5922980/>

**Talk:** Advanced Antenna Technologies for Wireless Power Transfer Enabled Battery-Free IoT Applications



**Situ Rani Patre**  
Assistant Professor  
Department of Electronics and Communication Engineering  
National Institute of Technology Rourkela  
India  
Email: [patresr@nitrkl.ac.in](mailto:patresr@nitrkl.ac.in)  
Web: <https://nitrkl.ac.in/FProfile.aspx?e=patresr>  
LinkedIn: <https://www.linkedin.com/in/situ-rani-patre-a791261b/>

**Talk 1:** Demand of Passive Chipless RFID Sensors in current Era

**Talk 2:** Design of castor leaf-shaped quasi-self-complementary antenna using spline curves in Ansys HFSS



**Masood Ur-Rehman**  
Assistant Professor  
James Watt School of Engineering  
University of Glasgow  
United Kingdom  
Email: [Masood.UrRehman@glasgow.ac.uk](mailto:Masood.UrRehman@glasgow.ac.uk)  
Web: <https://www.gla.ac.uk/schools/engineering/staff/masoodurrehman/>  
LinkedIn: <https://www.linkedin.com/in/masoodurrehman1>

**Talk:** Human Exposure to RF Fields



**Shuai Zhang**  
Associate Professor  
Aalborg University  
Denmark  
Email: [sz@es.aau.dk](mailto:sz@es.aau.dk)  
Web: <https://vbn.aau.dk/en/persons/132204>  
LinkedIn: <https://www.linkedin.com/in/shuai-zhang-680a724a/>

**Talk 1:** Millimeter-wave antennas and their interactions with users for 5G mobile terminals

**Talk 2:** Isolation enhancement of Massive MIMO antenna arrays for base stations



**Kun Zhao**  
Antenna Technology Researcher  
Sony R&D Center Lund  
Sweden  
Email: [kun.1.zhao@sony.com](mailto:kun.1.zhao@sony.com)  
LinkedIn: <https://www.linkedin.com/in/kun-zhao-6292b34a>

**Talk:** Challenges in mmWave antenna system for mobile handsets

#### 4. Call for Action

All AP-S chapter chairs are encouraged to contact IEEE AP-S YP ambassador directly for inviting them to deliver talk or speak on the event. Chapter chairs can also contact subcommittee chair:

Qammer H. Abbasi, SMIEEE, FRET, FRSA  
Chair, IEEE AP-S Young Professional Ambassador Program Sub-Committee  
University of Glasgow, UK  
Qammer.abbasi@glasgow.ac.uk