

Activity & Progress Reporting

Section Autumn Meeting - 26th October 2021

<p>1. Chapter/Affinity Group:</p>	<p>IEEE APS/MTT Scotland Joint Chapter</p>
<p>2. Committee Members</p>	<p>Chair: Symon Podilchak; Qammer Hussain Abbasi Vice Chair: Dimitris Anagnostou; Masood Ur Rehman Secretary: Hasan Tahir Abbas; Cristian Alistarh</p>
<p>3. Reporting Officer:</p>	<p>Masood Ur Rehman</p>
<p>4. Overview of current plan and activities:</p>	<p>Organised a series of seminars as part of our Future Wireless Technologies series:</p> <ol style="list-style-type: none"> i. The Evolution of Antenna Technology: Past, Present and Future (Constantine A. Balanis, Arizona State University, March 2021) ii. Towards 6G Wireless Communication Networks: Vision, Enabling Technologies, and New Paradigm Shifts (H. Vincent Poor, Princeton University, April 2021) iii. Deep Learning in Wireless Communications (Geoffrey Ye Li, Imperial College London, May 2021) iv. Reconfigurable Intelligent Surfaces: A Signal Processing Perspective (Emil Björnson, KTH Royal Institute of Technology, May 2021) v. Structuring Light with Extreme Metamaterials (Nader Engheta, University of Pennsylvania, June 2021) vi. Microwave Lens Antennas (Zhi Ning Chen, National University of Singapore, June 2021) <p>Organised two workshops with panel discussion on:</p> <ol style="list-style-type: none"> i. How to supervise your supervisor: A PhD student's dilemma (Muhammad Ali Imran and Qammer H. Abbasi, University of Glasgow, March 2021) ii. Women in Engineering: The Journey, the Challenges, and the Determinants of Success (Lina Mohjazi, University of Glasgow, April 2021)
<p>5. Key Achievements and member value/services to date:</p>	<ul style="list-style-type: none"> • Received IEEE MTT-S Outstanding Chapter Award. • Organised the seminars with talks from world leading researchers and good attendance (40+ attendees). • Improved the female membership to 16%. • Participated in the organisation of EAI BodyNets2021.
<p>6. Key Challenges:</p>	<ul style="list-style-type: none"> • Reaching the wider community in COVID era is to some extent limits the visibility. • Having a greater number of female members.

<p>7. Deficits/Required Resources:</p>	<ul style="list-style-type: none"> • More support is needed to increase our presence in the conferences in the form of awards.
<p>8. Actions/Support requested from the Section:</p>	<ul style="list-style-type: none"> • Budget for our presence at the conferences and organise the workshops.
<p>9. Action Plan:</p>	<p>We are planning to continue with our seminar series by organising at least 5 more talks from renowned researchers.</p> <p>We are part of Bodynets2021 and will be present at UCET2021 to increase the repute and membership drive. We would also work to improve our social media presence.</p> <p>We will also organise two workshops/field trips to educate the members/PhD researchers on industry expectations and development strategies in the field of microwaves and antennas.</p>