

**Activity & Progress Reporting**  
**Section Spring Meeting - 29<sup>th</sup> April 2022**

<b>1. Chapter/Affinity Group:</b>	IEEE UK and Ireland Nanotechnology Council Chapter
<b>2. Committee Members</b>	Chair: Mohsen Rahmani, Nottingham Trent University Vice Chair: Lei Xu, Nottingham Trent University Treasurer: Faezeh Arab Hassani, University of Bristol Secretary: Lee Crudgington
<b>3. Reporting Officer:</b>	Prof Mohsen Rahmani
<b>4. Overview of current plan and activities:</b>	<ul style="list-style-type: none"> <li>- Established IEEE UK and Ireland Nanotechnology Council Chapter (Sep 2021).</li> <li>- Providing professionals and students with an opportunity to enhance their professional experiences by organising IEEE activities, such as workshops, seminars.</li> <li>- Organised a series of seminars as part of our Nanotechnology Chapter seminar series: <ul style="list-style-type: none"> <li>I. “Nanotechnology and what it can do for us”, Anatoly Zayats, Co-Director of the London Centre for Nanotechnology (LCN), 6 September 2021 - 14:30 – 15:00</li> <li>II. “Optical, photonics and quantum nanotechnology for digital society”, Richard Pitwon, CEO Resolute Photonic, and Chair of IEEE UK &amp; Ireland Photonics Chapter, 6 September 2021 - 15:00 – 15:30</li> <li>III. “Overview of molecular communications and the future of internet of bio-nano things”, Sasitharan Balasubramaniam, Associate Professor, University of Nebraska-Lincoln, Former IEEE Distinguished Lecturer for the Nanotechnology Council, 6 September 2021 - 15:30 – 16:00</li> <li>IV. IEEE Nanotechnology Chapter Distinguished Lecture “Nanoplasmonics – Reaching Out to the Single Molecule”, Prof. Reuven Gordon, University of Victoria (Canada), 26 November 2021 - 2:30 pm - 3:30 pm</li> <li>V. Nanotechnology Chapter Webinar “Watching Single Enzymes at Work”, Dr Cui Feng Ying, Senior Lecturer at Nottingham Trent University, 3 March 2022 - 1:00 pm - 2:00 pm</li> </ul> </li> </ul>
<b>5. Key Achievements and member value/services to date:</b>	<ul style="list-style-type: none"> <li>- Establish IEEE UK and Ireland Nanotechnology Council Chapter</li> <li>- Applying and receiving \$1000 (£721) startup grant from NCC.</li> </ul>
<b>6. Key Challenges:</b>	Due to Covid restrictions in 2021, all the seminars were online
<b>7. Deficits/Required Resources:</b>	NA



United Kingdom and Ireland Section

<b>8. Actions/Support requested from the Section:</b>	<ul style="list-style-type: none"><li>- Making a page for the Chapter on the section website.</li><li>- Supporting the Chapter for generating a logo.</li><li>- Arranging Zoom links for seminars.</li><li>- Advertising the seminars on the section website.</li><li>- Assistance with updating the webpage.</li></ul>
<b>9. Action Plan:</b>	<ul style="list-style-type: none"><li>- Explore hybrid delivery of events and face-to-face seminars.</li><li>- Organise industry trips</li></ul>