

## Activity & Progress Reporting

### Section Autumn Meeting - 27<sup>th</sup> October 2022

<p>1) <i>Chapter/Affinity Group:</i></p>	<p>Women in Engineering</p>
<p>2) <i>Committee Members</i></p>	<p><b>Steering Group</b></p> <p><b>Chair:</b> Dr Annabel Latham, Manchester Metropolitan University</p> <p><b>Vice-Chair:</b> Dr Princy Johnson, Liverpool John Moores University</p> <p><b>Officer &amp; Awards &amp; Projects lead:</b> Ms Ruth Lennon, Letterkenny Institute of Technology</p> <p><b>Officer &amp; Early WIE Professionals lead:</b> Dr Nagham Saeed, University of West London</p> <p><b>Past Chair:</b> Prof Keeley A Crockett, Manchester Metropolitan University</p> <p><b>Website, Social Media &amp; Publicity Lead:</b> Dr Ferheen Ayaz, University of Sussex</p> <p><b>Committee Members:</b></p> <p><i>Schools Outreach lead:</i> Prof Rebecca Strachan, Northumbria University</p> <p><i>Professional Development and Industry Links lead:</i> Dr Mona Jaber, Queen Mary University London</p> <p>Ms Medha Subramanian</p> <p>Dr Salma Alarefi, Leeds University</p> <p>Prof Algirdas Pakštas, BCS</p> <p>Ms Fan Zhang, University of Sussex</p> <p>Prof Federica Sarro, UCL</p> <p>Ms Maryam Heiderian, Robert Gordon University</p> <p>Dr Nabila Rufai, Newcastle University</p> <p>Ms Maebh Larkin, Eaton Intelligent Power Ltd</p> <p>Ms Charchita Misra, Nokia</p> <p>Dr Ying Li, University of Nottingham</p>
<p>3) <i>Reporting Officer:</i></p>	<p>Annabel Latham</p>
<p>4) <i>Overview of current plan and activities:</i></p>	<p>Below is a summary of the current plan which is dynamic. WIE committee members often receive requests to speak at events or to organise hands on sessions, so the plan in section 9 reflects some of the main activities planned for 2022/23</p> <ol style="list-style-type: none"> <li>i. Develop a WIE Ireland network of volunteers to promote WIE at events (in collaboration with WIE R8)</li> <li>ii. Extend our database of female keynote speakers for recommendations to conference committees</li> <li>iii. Continue to develop the WIE Ambassador scheme to mentor and support new volunteers, plan and manage events</li> <li>iv. Promote links and joint networking events with other Region 8 WIE groups</li> </ol>

	<ul style="list-style-type: none"> <li>v. Apply for SIGHT funding to develop training support materials for neuro-diverse women in engineering and technical careers to cope with scenarios specific to these careers (e.g. Scrum sprint meetings)</li> <li>vi. Promote WIE member elevations</li> <li>vii. Promote the formation of WIE affinity student groups</li> <li>viii. Collate STEM resources – to promote activities for different age groups – eg. CIGRE storybook, People Like Me</li> <li>ix. STEM and careers talks/workshops in Schools             <ul style="list-style-type: none"> <li>x. Schools outreach technical activities/clubs</li> <li>xi. University and School workshops</li> </ul> </li> <li>xii. WIE led special sessions in IEEE Conferences,</li> <li>xiii. Publicity - press articles, videos, promotion of activities</li> <li>xiv. Joint events with technical and student chapters</li> <li>xv. Production of WIE posters and distribution to schools/colleges/universities</li> </ul>																		
<p>5) <i>Key Achievements and member value/services to date:</i></p>	<ul style="list-style-type: none"> <li>• Strong committee which is geographically dispersed across the UK and Ireland</li> <li>• We have structured the committee into working groups to focus on our strategic areas:             <ul style="list-style-type: none"> <li>○ Steering committee</li> <li>○ 5 focussed working groups (with 14 projects):</li> <li>○ Professional Development and Industry Links;</li> <li>○ Awards and Projects;</li> <li>○ IEEE Society Collaborations;</li> <li>○ Early WIE Professionals;</li> <li>○ Schools Outreach</li> </ul> </li> <li>• Active social media presence (1,214 followers/members):</li> </ul> <table border="1" data-bbox="627 1223 1347 1615"> <thead> <tr> <th>Platform</th> <th>Page / Group</th> <th>Followers / Group members</th> </tr> </thead> <tbody> <tr> <td>Twitter</td> <td><a href="#">IEEE WIE UKI (@IEEEWIE_UK)</a></td> <td>196</td> </tr> <tr> <td>LinkedIn Page</td> <td><a href="#">IEEE Women in Engineering UK and Ireland</a></td> <td>218</td> </tr> <tr> <td>LinkedIn Group</td> <td><a href="#">IEEE Women in Engineering UK and Ireland</a></td> <td>110</td> </tr> <tr> <td>Facebook Page</td> <td><a href="#">IEEE Women in Engineering UK and Ireland</a></td> <td>155</td> </tr> <tr> <td>Facebook Group</td> <td><a href="#">IEEE Women in Engineering UK and Ireland</a></td> <td>535</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>• Monthly online Working Group committee meetings to report on actions and plan events</li> <li>• Quarterly Steering Group committee meetings for strategic planning</li> <li>• 4-Feb-22 WIE committee Re-structuring and Strategy workshop to discuss and agree new WIE structure and strategy for the next 2 years</li> <li>• 3 committee members are STEM ambassadors, enabling easy access to schools and colleges for WIE talks and events</li> <li>• WIE Ambassadors scheme to mentor and support new volunteers – we have 7 Ambassadors registered for 2022</li> </ul>	Platform	Page / Group	Followers / Group members	Twitter	<a href="#">IEEE WIE UKI (@IEEEWIE_UK)</a>	196	LinkedIn Page	<a href="#">IEEE Women in Engineering UK and Ireland</a>	218	LinkedIn Group	<a href="#">IEEE Women in Engineering UK and Ireland</a>	110	Facebook Page	<a href="#">IEEE Women in Engineering UK and Ireland</a>	155	Facebook Group	<a href="#">IEEE Women in Engineering UK and Ireland</a>	535
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	<p>based in London, Manchester, Berkshire, Reading, Newcastle, Glasgow, and Dublin</p> <ul style="list-style-type: none"> <li>• WIE Ambassadors events – 4 WIE ambassador events organised and run, and delivered by WIE ambassadors in 2022</li> <li>• Bi-monthly WIE Ambassadors meetings to network and arrange events</li> <li>• WIE membership elevation: supported 8 elevations to SM; 6 women submitted and elevated to SMIEEE</li> <li>• Key events from 2022:             <ul style="list-style-type: none"> <li>○ “<i>Early Career Talks-4<sup>th</sup></i>”, A Series of Technical Talks, WIE Ambassadors event, 17-Feb-22</li> <li>○ (Naghm Saeed) participated in series of Keynotes in ‘<i>Empowerment of Iraqi Women in Engineering and Science</i>’ workshop, IEEE Iraq section 2022, 8-Mar-22</li> <li>○ (Annabel Latham &amp; Keeley Crockett) “<i>Women in Technology: Networking</i>”, A Series of Inspirational Talks from Academia and Industry, Joint event with Manchester Metropolitan University, 5-Apr-22</li> <li>○ (Annabel Latham) <i>Practice STEM Interviews</i> – various schools in Greater Manchester, April-22</li> <li>○ “<i>Early Career Talks-5<sup>th</sup></i>”, A Series of Technical Talks, WIE Ambassadors event, 7-April-22 (60 attendees)</li> <li>○ (Rebecca Strachan) <i>IEEE EDUCON - Round Table: Communities and organizations of women in engineering: past, present and future (COWomEn)</i>, 29-April-22</li> <li>○ (Ruth Lennon Diversity Chair) <i>2022 Cyber Research Conference Ireland (Cyber-RCI)</i> – Sponsored by IEEE WIE UK and Ireland, 25-Apr-22</li> <li>○ Five North East universities (Teesside, Sunderland, Durham, Newcastle and Northumbria) <i>International Women in Engineering Day event (Apr-22)</i></li> <li>○ “<i>6th Early Career Talks</i>”, A Series of Technical Talks, WIE Ambassadors event, 16-June-22</li> <li>○ (Naghm Saeed) ‘<i>IEEE UK&amp;I WIE</i>’ talk at the IEEE iCCECE’22 (17-18th August)</li> <li>○ <i>Career Development Day</i> hosted by QMUL (30 Sept 2022): The event was free, focused on Electronic and Communication Engineering, and sponsored by Cisco, Samsung, Heavy Reading, ComSoc targeting university students (undergrad and graduate).</li> </ul> </li> <li>• WIE UKI Posters available for download on website</li> <li>• <b>Naghm Saeed - Winner of Region 8 Outstanding Women in Engineering Section Volunteer Award 2022</b></li> </ul>
<p>6) <b>Key Challenges:</b></p>	<ul style="list-style-type: none"> <li>• Time!</li> <li>• Links with Industry</li> <li>• Funding for travel of committee members to run at least one joint event a year in the UK which can be combined with a face-to-face committee meeting</li> <li>• To understand what platforms we can use to provide shared resources both to IEEE members but also to the wider community (e.g. school STEM packs)</li> <li>• We are aiming for cultural change, which is slow and difficult to measure</li> </ul>

<p>7) <b>Deficits/Required Resources:</b></p>	<ol style="list-style-type: none"> <li>1) Travel of committee members to meet once a year at a central location in UKI for an AGM and face-to face committee meeting</li> <li>2) Funding for schools outreach workshop</li> <li>3) Support for developing an online shared set of resources around school outreach</li> <li>4) Funding for in-person WIE Ambassadors 2023 Challenge and Opportunities event</li> </ol>
<p>8) <b>Actions/Support requested from the Section:</b></p>	<ul style="list-style-type: none"> <li>• Approval to cover committee members’ travel expenses for an annual AGM (online and in person) and face-to-face meeting of WIE committee – could be combined with an event</li> <li>• How can we report work such as production of posters, press articles, etc. as these are not events (covered by L31) but are an important part of our strategy for challenging stereotypes?</li> <li>• Drive for more representation of women in leadership of technical chapters and Section</li> <li>• A dedicated fund to be made available to IEEE WIE members who require child support to be able to engage in IEEE WIE activities.</li> </ul>
<p>9) <b>Action Plan:</b></p>	<ol style="list-style-type: none"> <li>1) “7<sup>th</sup> Early Career Talks”, A Series of Technical Talks, WIE Ambassadors event, 22-Oct-22</li> <li>2) <i>IEEE WIE: Connecting, Inspiring and Engaging Young People in STEM: A workshop to Share Challenges and Solutions and Showcase Good Practice</i>, Nov-22</li> <li>3) Co-organise a career development half day hosted by the University of Glasgow (March 2023), “<i>Female researchers in 5G and beyond</i>” will be colocated with IEEE WCNC</li> <li>4) Joint career development event (Mar-23) with Deep Sea Electronics – who also have internships available for women engineers – collaborate with relevant chapter</li> <li>5) Develop close links with WIE Student Affinity groups for support and joint events</li> <li>6) IEEE 2023 WCNC - half day technical workshop focusing on “<i>Female researchers in 5G and beyond</i>”.</li> <li>7) Virtual Coding workshop with primary schools</li> <li>8) Apply for SIGHT funding to develop training support materials for neuro-diverse women in engineering and technical careers to cope with scenarios specific to these careers (e.g. Scrum sprint meetings)</li> <li>9) Gather and disseminate shared resources around school outreach to promote activities for different age groups – eg. CIGRE storybook, People Like Me</li> <li>10) Series of School outreach workshops – 3 in total with school teachers and outreach community to share practice, pitfalls, support, etc. Focus this year on primary age range. One for Autumn term (Nov-22) and two for the Summer term.</li> <li>11) Outreach for Disabled Children – initial conversation about how to support disabled children and their teachers/carers. This needs to be continued but probably something around sharing resources/potential event, etc. (Note: special needs now seems to be a term that is not favoured and there’s a return to using disability instead).</li> </ol>



United Kingdom and Ireland Section

	<ol style="list-style-type: none"><li>12) Promote links and joint networking events with other Region 8 WIE groups</li><li>13) Promote WIE member elevations</li><li>14) Promote the formation of WIE affinity student groups</li><li>15) Work with industry associations and companies to deliver joint events (eg. KPMG Manchester, Eaton Intelligent Power Ltd Dublin, Deep Sea Electronics)</li><li>16) Continue to develop a database of female keynote speakers for recommendations to conference committees</li><li>17) Continue to promote WIE Ambassador scheme to mentor and support new volunteers</li><li>18) Promote mentoring scheme (organised via Collaboratec)</li><li>19) Contact each IEEE UKI chapter and invite to do joint events, and to include WIE representation/talks</li><li>20) To write press articles of events sponsored / run by UKI WIE to raise profile</li><li>21) To maintain an active social media presence and You Tube Channel.</li><li>22) To upload WIE Ambassadors talks videos to WIE UKI YouTube channel.</li><li>23) Posters campaign – publicise posters and get them on walls whenever we visit anywhere (e.g. when in schools in STEM ambassador role)</li><li>24) WIE committee members to actively engage in STEM events in Schools (weekly- monthly activities) including career talks, hours of code, engineering challenges etc</li></ol>
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