

## Activity & Progress Reporting

### Section Autumn Meeting - 26<sup>th</sup> October 2021

1) <i>Chapter/Affinity Group:</i>	Women in Engineering
2) <i>Committee Members</i>	<p><b>Chair:</b> Dr Annabel Latham, Manchester Metropolitan University  <b>Vice-Chair &amp; Member elevations lead:</b> Dr Princy Johnson, Liverpool John Moores University  <b>Secretary:</b> Ms Charchita Misra,  <b>Past Chair &amp; WIE liaison:</b> Dr Keeley A Crockett, Manchester Metropolitan University  <b>Committee Members:</b>  <i>WIE Awards &amp; Ireland lead, IEEE societies liaison:</i> Dr Ruth Lennon, Letterkenny Institute of Technology  <i>Student activities liaison:</i> vacant  <i>Social media, publicity and event reporting:</i> vacant  <i>Schools liaison:</i> Maebh Larkin, Eaton Intelligent Power Ltd  <i>WIE Ambassadors lead:</i> Dr Nagham Saeed, University of West London  Prof Rebecca Strachan, Northumbria University</p>
3) <i>Reporting Officer:</i>	Annabel Latham
4) <i>Overview of current plan and activities:</i>	<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 2021 (but some are currently on hold due to restrictions related to COVID-19)</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> <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 (currently on hold due to COVID-19 restrictions),</li> <li>x. Schools outreach technical activities/clubs (currently on hold due to COVID-19 restrictions),</li> <li>xi. University and School workshops (currently on hold due to COVID-19 restrictions),</li> <li>xii. WIE led special sessions in IEEE Conferences,</li> </ol>

	<ul style="list-style-type: none"> <li>iii. Advertise for new committee members</li> <li>iv. press articles,</li> <li>xv. joint events with technical and student chapters</li> <li>xvi. production of WIE posters and distribution to schools/colleges/universities</li> </ul>
<p><b>5) Key Achievements and member value/services to date:</b></p>	<ul style="list-style-type: none"> <li>• Strong committee which is geographically dispersed across the UK and Ireland</li> <li>• Launch of WIE Awards scheme to recognise people supporting the promotion of women in engineering – application deadline 11 September 21; 4 award winners to be announced at WIE event in November</li> <li>• Launch of WIE Ambassadors scheme to mentor and support new volunteers – we have 9 Ambassadors registered for 2021</li> <li>• WIE Ambassadors events – 4 WIE events organised and run, and delivered by WIE ambassadors in 2021</li> <li>• WIE membership elevation: supporting 6 elevations to SM; 4 women submitted and elevated to SMIEEE</li> <li>• Key events from 2021: <ul style="list-style-type: none"> <li>○ “<i>Optical Fiber Sensing, Environmental Engineering, Telecommunications and AI</i>”, Early Career Talks: A Series of Inspirational Talks, WIE Ambassadors event, 8-Apr-21</li> <li>○ “<i>Challenges and Opportunities: Towards a Better WIE Future</i>”, A Series of Inspirational Talks from IEEE, Academia and Industry, WIE Ambassadors event, 10-Jun-21</li> <li>○ Keynote (Annabel Latham): ‘<i>Women in Engineering</i>’, IEEE Cyber Science 2021, 14-17 June 2021</li> <li>○ Series of 6 Keynote Talks: “<i>The Power of Data: Data Science meeting Power and Energy</i>”; Jointly with WiP/PES chapter, 26-Jun-21</li> <li>○ Joint committee meeting for collaboration with WIE Turkey, Jun-21</li> <li>○ WIE UKI talk (Annabel Latham) in panel session “<i>A broader look: the commitment of EU countries to the WIE mission</i>”, at IEEE RTSI 2021 - 6th International Forum on Research and Technologies for Society and Industry “<i>Innovation for a Smart World</i>”, 7-Sep-21</li> <li>○ “<i>Empowering Women in the Triple Helix Model</i>”, A Series of Lightning Talks, WIE Ambassadors event, 26-Oct-21</li> </ul> </li> <li>• Bi-monthly online committee meetings to report on completed actions and plan events</li> <li>• Bi-monthly WIE Ambassadors meetings to network and arrange events</li> <li>• 15-Jul-21 WIE committee Strategy workshop to discuss and agree WIE strategy for the next 2 years</li> <li>• Contacted each IEEE UKI chapter and invited to do joint events, and to include WIE representation/talks</li> <li>• Maintain active social media presence: FaceBook group and page</li> </ul>

	<ul style="list-style-type: none"> <li>• 3 committee members are STEM ambassadors, enabling easy access to schools and colleges for WIE talks and events</li> <li>• WIE UKI Posters available for download on website</li> <li>• Promotion of YouTube channel and social media presence</li> </ul>
<p><b>6) Key Challenges:</b></p>	<ul style="list-style-type: none"> <li>• Time!</li> <li>• Adjusting to non-contact outreach activities due to Covid-19 limitations</li> <li>• Links and committee membership from 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>• We are aiming for cultural change, which is slow and difficult to measure</li> </ul>
<p><b>7) Deficits/Required Resources:</b></p>	<ol style="list-style-type: none"> <li>1) Joint financial support for WIE Awards (joint funding will be agreed from industrial partners)</li> <li>2) 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>3) Monies to be used for events – typically we have found match funding for previous events.</li> </ol>
<p><b>8) 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 (notwithstanding the current Section Chair)</li> </ul>
<p><b>9) Action Plan:</b></p>	<ol style="list-style-type: none"> <li>1) 2022 WIE Awards – attract joint funding and promote at all events</li> <li>2) “Empowering Women in the Triple Helix Model”, A Series of Lightning Talks, WIE Ambassadors event, 26-Oct-21</li> <li>3) Develop close links with WIE Student Affinity groups for support and joint events</li> <li>4) Virtual Coding workshop with primary schools (Nov-21)</li> <li>5) <i>AI for Oceans</i> Covid-friendly public event with Manchester Science Museum (2021)</li> <li>6) 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>7) Promote links and joint networking events with other Region 8 WIE groups</li> <li>8) Promote WIE member elevations</li> <li>9) Promote the formation of WIE affinity student groups</li> <li>10) Work with industry associations and companies to deliver joint events (eg. KPMG Manchester, Eaton Intelligent Power Ltd Dublin)</li> <li>11) European Microwave Conference 2021 (London) – joint WIE/women in microwaves event</li> </ol>



United Kingdom and Ireland Section

	<ol style="list-style-type: none"><li>12) Continue to develop a database of female keynote speakers for recommendations to conference committees</li><li>13) Continue to promote WIE Ambassador scheme to mentor and support new volunteers</li><li>14) Promote mentoring scheme (organised via Collaboratec)</li><li>15) Contact each IEEE UKI chapter and invite to do joint events, and to include WIE representation/talks</li><li>16) Collate STEM resources – to promote activities for different age groups – eg. CIGRE storybook, People Like Me</li><li>17) To write press articles of events sponsored / run by UKI WIE to raise profile</li><li>18) To maintain an active social media presence and You Tube Channel.</li><li>19) Posters campaign – publicise posters and get them on walls whenever we visit anywhere (e.g. when in schools in STEM ambassador role)</li><li>20) <i>On hold</i>: WIE committee members to actively engage in STEM events in Schools (weekly- monthly activities) including career talks, hours of code, engineering challenges etc</li><li>21) <i>On hold</i>: To investigate hosting “Breakfast With a Scientist” events within secondary school/college</li></ol>
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