

## Activity & Progress Reporting

### Systems Council Chapter SyS45– UK & Ireland Section April 2023 Report

<b>1. Chapter/Affinity Group:</b>	Systems Council SyS45 – CH08834
<b>2. Committee Members</b>	Dr Hamid Pouran, Dr Farhad Fassihi, Prof Rod Muttram, Dr Zeyad Al Shibaany, Kaveh Movahedi.
<b>3. Reporting Officer:</b>	Prof Ali Hessami, Chair
<b>4. Overview of plan and activities:</b>	<ol style="list-style-type: none"> <li>i. A budget request covering some aspects of costs for 2023 activities have been drafted for presentation to the Section.</li> <li>ii. A number of Special Interest Groups (SIG) are already formed to focus on transdisciplinary areas of relevance to systems that fall within the scope of the Council. These are currently Data Analytics (DASIG), Environmental Technology (ETSIG), Technology Ethics (TESIG), Industry 4 (I4SIG), Rail Technology (RTSIG) and Systematic Innovation (SISIG)</li> <li>iii. The Systematic Innovation SIG have planned a Symposium in September on Ai and Ethics.</li> <li>iv. The ETSIG have also run at least one event per year and one will be planned for 2023</li> <li>v. A lecture on IEEE standards and initiatives has been delivered at an international event in Nuremberg by TESIG.</li> <li>vi. The Data Analytics that was dormant since the inauguration lecture in 2021 but a new Chair is identified and appointed who has arranged and managed the delivery of 5 related webinars in 2022 and one in discission in 2023</li> <li>vii. Forthcoming meetings for Data Analytics (DASIG), Environmental Technology (ETSIG), Technology Ethics (TESIG) and Systematic Innovation (SISIG) are in progress expecting at 1-2 lectures per year.</li> </ol>
<b>5. Key Achievements and member value/services to date:</b>	<ul style="list-style-type: none"> <li>• The Chapter was formed in 2017 as a focal point for multi-disciplinary activities with a systems’ focus and organised a public lecture as its launch event took place on 20<sup>th</sup> June 2017</li> <li>• The Chapter has an active page on the UK &amp; Ireland’s website at; <a href="https://www.ieee-ukandireland.org/chapters/systems-council-chapter/">https://www.ieee-ukandireland.org/chapters/systems-council-chapter/</a></li> <li>• For the rest of 2023, a few SIGs have planned online meetings.</li> <li>• For 2023 we are looking forward to face to face lectures</li> </ul>
<b>6. Key Challenges:</b>	<ul style="list-style-type: none"> <li>• Need to pursue industry collaboration and sponsorship for the forthcoming SIG events since the requested budget won’t suffice for many meetings and events being planned</li> </ul>
<b>7. Deficits/Required Resources:</b>	<ul style="list-style-type: none"> <li>• Seeking some funding or resource support from the Systems Council for a major Systems related event in 2023</li> </ul>

<p><b>8. Actions/Support requested from the Section:</b></p>	<ul style="list-style-type: none"> <li>• Publicity for the SIG events and announcements via Section website</li> <li>• Possibility of extra funds should all SIG activities exceed our existing requested budgets should all these proceed.</li> </ul>
<p><b>9. Action Plan:</b></p>	<p>The new SIGs being formed are; RTSIG &amp; I4SIG. These will be encouraged to come up with events and a draft plan for 2023.</p> <p>The level of activity in 2023 requires further planning and coordination. A Sys45 meeting with all SIG leads will be arranged preferably in April to plan more online lectures with new SIGs becoming active</p>