

## Activity & Progress Reporting

### Systems Council Chapter – UK & Ireland Section 2022 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 2022 activities will be submitted 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 and run two webinars per annum since formation.</li> <li>iv. The ETSIG have also run at least one event per year and the next one is planned for 28<sup>th</sup> April</li> <li>v. A lecture on IEEE standards and initiatives is being planned via TESIG for June 2022 and is also exploring the collaboration with Royal Academy of Engineering and a second public session in 2022.</li> <li>vi. The Data Analytics has been dormant since the inauguration lecture in 2021 but a new Chair is identified and expected to have a more active profile from June 2022</li> <li>vii. Forthcoming meetings for Data Analytics (DASIG), Environmental Technology (ETSIG), Technology Ethics (TESIG), Industry 4 (I4SIG) 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 2022, a few SIGs have planned online meetings.</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> <li>• Venue is always a big challenge including the cost implications but virtual events are a good compromise</li> </ul>



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<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 2022</li></ul>
<b>8. Actions/Support requested from the Section:</b>	<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>
<b>9. Action Plan:</b>	<p>The new SIGs being formed are; DASIG, RTSIG, I4SIG. These are planning to come up with events and a draft plan for 2022.</p> <p>The level of activity in 2022 requires further planning and coordination. A SyS45 meeting with all SIG leads will be arranged to plan more online lectures with new SIGs becoming active</p>