

Activity & Progress Reporting

Section Autumn Meeting - 13th November 2020

<p>1. Chapter/Affinity Group:</p>	<p>IEEE UK and Ireland Section Chapter, SMC28 Ireland (CH08650)</p>
<p>2. Committee Members</p>	<p>Chair: Dr Jun Liu (Reader in Computer Science, School of Computing, Ulster University)</p> <p>Other committee members: Hui Wang, Sally McClean, Maurice Mulvenna, Haiying Wang, Huiyu Zhou, Girijesh Prasad, Nazmul Siddique, Fiona Browne, Leo Galway</p>
<p>3. Reporting Officer:</p>	<p>Dr Jun Liu</p>
<p>4. Overview of current plan and activities:</p>	<ol style="list-style-type: none"> i. Key technical focus research workshop to form effective consortium and technical community ii. Encourage and attract more members, especially student members, by combining the strength from Ulster and QUB. iii. Close engagement and interaction with Ireland and the mainland SMC chapters in different ways to be further discussed and agreed. iv. Work towards the overall aim and objectives of the IEEE UK and Ireland Section.
<p>5. Key Achievements and member value/services to date:</p>	<p>Chapter Related Events – Conferences/Workshops/Seminars (Since last AGM meeting in April 2020):</p> <p>Conferences/Workshop: Chapter Annual Workshop on Artificial Intelligence and Applications, Co-located with the Collaborative European Research Virtual Conference (CERC 2020, https://www.cerc-conference.eu), held on 10-12 September 2020, hosted by Ulster University. Invited Keynote Speaker/IEEE Distinguished Lecturer: Prof Peng Shi, IEEE Fellow, University of Adelaide, Australia Title of talk: Formation Control for Multi-agent Systems: Modelling and Analysis</p> <p>Several Virtual Doctoral Research Seminars:</p> <ol style="list-style-type: none"> 1) A new metric for assessing the performance of 2D Lidar SLAMs by Bingxin Zi, 30/10/2020 2) A Holistic UX Methodological Framework for Measuring the Dynamic, Adaptive and Intelligent Aspects of a Software Solution by Leigh Johnston, 16/10/2020 3) Cooperation Strategies in a Time-Stepped Simulation of Foraging Robots by Liam McGuigan, 02/10/2020
<p>6. Key Challenges:</p>	<ul style="list-style-type: none"> • Add and strengthen the real benefits • Long term aim and objectives match in the line with the academic and industry long term target

<p>7. Deficits/Required Resources:</p>	<ul style="list-style-type: none"> • Funding support for workshop organization below: <p>Funding support from IEEE for the invited IEEE distinguished lecturers</p>
<p>8. Actions/Support requested from the Section:</p>	<p>N/A</p>
<p>9. Action Plan:</p>	<ul style="list-style-type: none"> • Exchange and interact with the IEEE distinguished lecturers • Research networking opportunity in the planned specific topic • Share and disseminate best practices research • Promote IEEE, IEEE SMC, IEEE SMC Ireland Chapter and the Chapter business discussion meeting • Promote the new IEEE/IEEE SMC membership recruitment • Close engagement and interaction with Ireland and the mainland SMC chapters in different ways to be further discussed and agreed.