

Activity & Progress Reporting

Section Autumn Meeting - 26th October 2021

<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>	<ul 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 – Workshops/Seminars (Since last AGM meeting in April 2021):</p> <ul style="list-style-type: none"> 1. Data Mining a Human Digital Twin by Diane Cook, School of Electrical Engineering and Computer Science, Washington State University, USA, April, 2021 2. Evolutionary Multi-objective Federated Neural Architecture Search by Prof Yaochu Jin, Department of Computer Science, University of Surrey, Guildford, UK, 20 May, 2021 3. Distributed Algorithms for Network-Based Optimization and Machine Learning by Prof. Zhengtao Ding, The University of Manchester, UK. 3rd June, 2021 4. Bad Data Analysis in an Era of Big Data by Prof. Zidong Wang, Department of Computer Science, Brunel University London, UK. 17 June, 2021 5. Computational Behaviour Analytics with Wearable Sensing and AI by Prof. Daniel Roggen, School of Engineering and Informatics, University of Sussex, UK. 22 June, 2021 6. Towards Causal Modeling of Nutritional Outcomes by Dr Michele Sebag, Principal Scientist at CNRS (Directrice de recherche de 1ere classe), France, 28 June, 2021 7. Device-free Wireless Sensing with Wi-Fi Signals: Theory and Applications by Prof Daqing Zhang, Peking University, China, 22 September, 2021 8. From Probabilistic Logics to Neuro-Symbolic Artificial Intelligence by Prof. Dr. Luc De Raedt, Director of Leuven.AI, the KU Leuven Institute for AI, KU Leuven, Belgium, 06 October, 2021 9. Behavioural Science and the Digital Transformation of Healthcare by Dr. Jane Walsh, Director of mHealth Research Group, National University of Ireland Galway (NUIG), Ireland, October 20, 2021

<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>	<p>N/A</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, IEEEESMC Ireland Chapter and the Chapter business discussion meeting • Promote the new IEEE/IEEEESMC membership recruitment • Close engagement and interaction with Ireland and the mainland SMC chapters in different ways to be further discussed and agreed.