

Chapter/Affinity Group: SMC28 Ireland Chapter (CH08650)

Reported by: Dr Jun Liu, Ulster University



Key Achievements and member value/services

- **Chapter Related Events –Seminars (since the last AGM meeting):**
 1. Dynamics of Lockdown Simulations and COVID-19 in NI by Dr Gavin Abernethy, Senior Lecturer, Department of Engineering and Mathematics, Sheffield Hallam University, UK, April 11, 2022.
 2. Augmented Data Quality by Dr. Fiona Browne, Datactics, Belfast, UK, March 30, 2022.
 3. Artificial Emotional Intelligence by Dr Javier Gonzalez-Sanchez, Arizona State University, USA, March 23, 2022.
 4. Towards a Science of Trustworthy Artificial Intelligence by Prof. Barry O'Sullivan, School of Computer Science & IT, University College Cork, March 09, 2022.
 5. From Personal Big Data to Personalized Intelligence by Prof. Dr. Jianhua Ma, Head of Ubiquitous Computing Lab, Department of Digital Media, Hosei University, Tokyo, Japan, February 23, 2022.
 6. Neuro-Symbolic AI: Explainability and Deep Deductive Reasoning by Prof. Dr. Pascal Hitzler, Director, Center for AI and Data Science (CAIDS), Kansas State University, USA, February 09, 2022.
 7. Magic of Generative Adversarial Networks (GANs) by Mr Ravi Shukla, Senior Data Scientist, Performance Analytics Group (PAG) in Dell Technologies, February 2, 2022.
 8. Deep Optimisation: Solving Hard Problems Efficiently with Symbiogenesis by Prof. Dr. Joshua Knowles, Invenia Labs, Cambridge, UK, December 01, 2021.
 9. Explaining Deep Neural Networks using Statistical Fault Localization BY Dr Youcheng Sun, Queen's University of Belfast (QUB), UK, November 11, 2021.
 10. Artificial Intelligence for Biomarker Discovery by Prof. Dr. Fangxiang Wu, University of Saskatchewan, Canada, November 17, 2021.

Current plan of activities

- I. Chapter annual workshop on "[Trustworthy AI for the Future of Risk Management](#)" to be held on 14th June 2022
- II. Key technical focus research workshop to form effective consortium and technical community
- III. Encourage and attract more members, especially student members, by combining the strength from Ulster and QUB.
- IV. Close engagement and interaction with Ireland and the mainland SMC chapters in different ways to be further discussed and agreed.
- V. Work towards the overall aim and objectives of the IEEE UK and Ireland Section.

Focus areas (2022)

Goals	KPIs	Challenges to reach KPIs/ Resources
Exchange, networking, promotion, recruitment, and dissemination	<ul style="list-style-type: none"> • Chapter annual workshop to be held on 14th June 2022. • Other workshops and seminars 	Funding support from IEEE for the invited distinguished lecturer for annual workshop
Engagement and link with other chapters	Close engagement and interaction with Ireland and the mainland SMC chapters in different ways to be further discussed and agreed.	Geolocation, management, member involvement, remote webinars etc.