Chapter/Affinity Group: SMC28 Ireland Chapter (CH08650)
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IEEE
United Kingdom and Ireland Section

Key Achievements and member services in 2023

Chapter Related Events: Workshop & Seminars (since the last AGM meeting):
- **Workshops:** 1) AI in Health 2023 One-day Workshop, February 10, 2023, Ulster University, Belfast. 2) AI and Digital Twins for Build Environment Workshop 2023, February 08, 2023, Ulster University
- **Several Research Seminars held in a hybrid mode:**
1) Deploying Prediction Models or What Happens after the ROC? by Dr. William Marsh, Queen Mary University London, UK, 8/3/2023; 2) HOL, Universal Meta-Logical Reasoning and LogiKEy by Prof. Dr. Christoph Benzmuller, University of Bamberg, Germany, 01/3/2023; 3) Smart Agriculture - Impact of Machine Learning and Sensor Technologies by Prof Mohand Tahar Kechadi, University College Dublin, Ireland, 15/2/2023; 4) Automatic and Semi-Automatic Translation for Cloud Programming Models by Prof Yi Pan, Regents' Professor Emeritus, Georgia State University, USA, 01/2/2023; 5) Exploiting the Use of Mobile Sensors for Studying Human Behaviour by Prof Oresti Banos, University of Granada, Spain, 14/12/2022; 6) Automated Gesture Recognition in Non-verbal Communication by Prof. Bryan Scotney, Ulster University, 30/11/2022; 7) Introduction to Knowledge Graphs by Mr. John Calin, Lead Data Scientist at Kainos London, 9/11/2022; 8) The Next Frontier in Ethical AI by Maria Luciana Axente, Responsible AI Executive, Ethicist and Influencer, PwC United Kingdom, 23/11/2022; 9) Missing Data Analysis in Probabilistic Machine Learning Models by Prof. Andrew Parnell, Maynooth University, Ireland, 02/11/2022; **10)** Artificial Intelligence for Histopathological Image Analysis by Prof. Huiyu Zhou, University of Leicester, UK, 26/10/2022.

Plan of activities for 2023-24

I. Chapter annual workshop in 2023

II. Key technical focus research workshop to form effective consortium and technical community

III. Encourage and attractive 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 (2023-2024)

2023 Goals	2023 KPIs met?	2024 Goals	Challenges to reach KPIs/ Resources
Exchange, networking, promotion, recruitment, and dissemination	- Chapter annual workshop held in 2022. - Other workshops and seminars	Exchange, networking, promotion, recruitment, and dissemination	Funding support from IEEE for the invited distinguished lecturer for annual workshop
Engagement and link with other chapters	Close interaction with the mainland SMC chapters in different ways.	Engagement and link with other chapters	Add and strength the real benefits; Long term aim and objectives match in the line with the academic and industry long term target