Activity & Progress Reporting

Section AGM 28 April 2023

1. Chapter/Affinity Group:	Industry Applications Society Chapter
2. Committee Members	Chair: Prof Amir Hussain, Edinburgh Napier University Vice Chair: Prof Muhammad Imran, University of Glasgow Honorary Chair: Prof Mike Grimble, University of Strathclyde Secretary: Dr Kia Dashtipour, Edinburgh Napier University Deputy Secretary: Dr Mandar Gogate, Edinburgh Napier University Student Activities Liaison Officer: Dr Zain Hussain, University of Edinburgh Professional Activities & Links Co-ordinator:Prof Keshav Dahal Industry Liaison Chair: Prof Newton Howard, University of Oxford Industry Liaison Co-Chair: Prof Ashiq Anjum, University of Leicester Industry Liaison Co-Chair: Basil Manoussos, The Cyber Academy, Edinburgh Napier University Publicity Chair: Prof Ahmed Al-Dubai, Edinburgh Napier University Publicity Co-Chair: Dr Erfu Yang, University of Strathclyde Publications Chair: Dr Mufti Mahmud, Nottingham Trent University
3. Reporting Officer:	Amir Hussain

4. Overview of current plan and activities:	We have organised more than 7 events over past months covering various topics such as cognitive systems, signal processing, cyber security and IoT. The detailed list of events is given below: 1. Seminar at University of Stirling on "Financial markets, how is the best way to simulate them?", 28 Sept 2022. 2. Seminar at University of Stirling on "Stability in ecological meta-community models", 21 Oct 2022. 3. Seminar at University of Stirling on "From computer algebra to signal processing: sparse interpolation, rational approximation, exponential analysis and tensor decomposition", 11 Nov 2022. 4. Seminar at University of Stirling on "Large-Scale Geographic Mapping in the Wild", 2 Dec 2022. 5. Seminar at University of Stirling on "Using artificial intelligence and remote sensing for risk mapping of Aedes aegypti infestations and arbovirus occurrence: is it a practical task?", 20 Jan 2023. 6. Seminar at University of Stirling on "Researching social media platforms using pre-built tools for social network analysis", 24 March 2023. 7. Seminar at University of Glasgow on "Cyber Security and Human Reliability Analysis", 25 April 2023.
5. Key Achievements and member value/services to date:	
6. Key Challenges:	-
7. Deficits/Required Resources:	-
8. Actions/Support requested from the Section:	-
9. Action Plan:	We are planning to organise at least 4-8 events during the rest of this year, including in collaboration with other IEEE UK&RI chapter. The events include: 1. IEEE ICASSP 2023 Satellite Workshop Advances in Multi-modal Hearing Assistive Technologies (AMHAT), 10 June 2023 2. Seminar at University of Stirling, "Deep Neural Networks for Morphologically Rich Languages" 14 April 2023

	3. Seminar at University of Glasgow, "Support Vector Regression-based Digital Twin of Structures for Reliability Analysis", 28 April 2023 4. Seminar at University of Glasgow, "An Introduction to Bayesian Multilevel Modeling with brms", 28 April 2023 5. 2023 IEEE Smart World Congress will be held at the University of Portsmouth, UK on 28th-31st, August, 2023 6. 6th Big Data, Cybersecuty & Critical Infrastructure Conference, 11 May 2023