

Activity & Progress Reporting

Section Meeting 26 Oct 2022

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:	Dr Kia Dashtipour
4. Overview of current plan and activities:	<p>We organised more than 10 events over the past 6 months covering various topics such as cognitive systems, signal processing, cyber security, IoT, healthcare and assistive healthcare technologies and applications. The list of events is given below:</p> <ol style="list-style-type: none"> 1. Seminar at University of Stirling on “Understanding the Evolution of Cognition with Structural and Information-Theory Based Analysis”, 11 May 2022 2. Seminar at University of Stirling on “Neuroevolution Trajectories and Landscapes”, 18 May 2022. 3. 5th IEEE Conference on Dependable and Secure Computing (DSC), Edinburgh Napier University, 22-24 June 2022 4. 5th International Paper/Poster Competition in Cybersecurity, Edinburgh Napier University, 22 June 2022 5. 44th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) Workshop on “Transformative Advances in Multi-modal Hearing Assistive Technologies”, Glasgow, 11 July 2022 6. Seminar at University of Glasgow, “The role of AI in education”, Glasgow 21 September 2022 7. Workshop at Edinburgh University, “Soft Robotics”, 21 September 2022 8. Seminar at University of Glasgow on “SICSA Theory, Modelling and Computation Research Theme Event: Scottish Programming Languages Seminar”, 4th Oct 2022 9. Workshop at Edinburgh Napier University, “Speech Acoustic Modelling from Raw Signal Representations” 19 October 2022

	<p>10. Seminar at University of Stirling, Stability in ecological meta-community models, 19 October 2022</p> <p>11. Seminar at University of Stirling, “Stability in ecological meta-community models”, 21 October 2022</p>
<p>5. Key Achievements and member value/services to date:</p>	
<p>6. Key Challenges:</p>	-
<p>7. Deficits/Required Resources:</p>	-
<p>8. Actions/Support requested from the Section:</p>	-
<p>9. Action Plan:</p>	<p>We are planning to organise at least 6 events over the next 6 months. These include:</p> <ol style="list-style-type: none"> 1. Seminar at University of Glasgow “A Meta-Analysis on Juror Decisions”, 2nd Nov 2022 2. Seminar at University of Glasgow “Introducing the HAFLANG Project: Hardware Acceleration of Functional LANGuages” 2nd Nov 2022 3. Seminar at University of Glasgow “The Remarkable Longevity of the Richards Benchmark” 1 Nov 2022 4. Seminar at University of Glasgow “Cops and robbers on multi-layer graphs” 1 Nov 2022 5. EPSRC/IEEE Workshop on “Multimodal Hearing Assistive Technology Demonstrations”, Edinburgh, 7 Dec 2022 6. 1st EPSRC/IEEE International Audio-Visual Speech Enhancement Challenge (AVSEC) organised as part of the IEEE Spoken Language Technology Workshop – Qatar 9-12 Jan 2023