

Activity & Progress Reporting

Section AGM 24th April 2020

<p>1. Chapter/Affinity Group:</p>	<p>UK and Ireland IEEE Sensors Chapter, CH08804 - United Kingdom and Ireland Section Chapter, SEN39</p>
<p>2. Committee Members</p>	<p>Sillas Hadjiloucas (Chair)</p>
<p>3. Reporting Officer:</p>	<p>Sillas Hadjiloucas</p>
<p>4. Overview of current plan and activities:</p>	<p>i. Organise meetings</p> <p>DL Program: Invitation to Ravinder Dahiya School of Engineering, University of Glasgow, Scotland to give a lecture on Large Area Electronic Skin or Tactile Skin in Robotics and Medical Applications, at a venue preferably in Manchester (bridging the distance between the North and the South).</p> <p>DL Program: Invitation to Ashwin A. Seshia Professor of Microsystems Technology, University of Cambridge, Cambridge, England to give a lecture on Vibrating Beam MEMS Accelerometers for Gravity and Seismic Measurements or Nonlinear Dynamics in Microelectromechanical Systems. Lecture to take place in Reading or London or Manchester.</p> <p>Collaborations with other chapters to organise meetings:</p> <p>Discussions with Prof Izzet Kale, College Institute & Research Director, Director, Applied DSP & VLSI Research Group, College of Design, Creative & Digital Industries, University of Westminster, London for a CAS04/IM09 co-sponsored collaborative meeting.</p> <p>Possible titles of topics discussed: 'Fractional order circuits and controllers for sensors and measurement systems', 'Bond graph theory for hybrid circuits and sensing systems', 'Memristive circuits and systems and their applications to Measurement and Sensing', 'Order reduction methods in circuit theory and measurement systems', 'port-Hamiltonian formulations of non-linear electrical circuits and non-linear feedback sensing systems'.</p> <p>Trying to finalise a date for presentations on the above topics.</p>

<p>5. Key Achievements and member value/services to date:</p>	<ul style="list-style-type: none"> • Webinar: Optical Fibre Sensors for Advancing Radiotherapy, Sinead O’Keeffe, University of Limerick, Ireland
<p>6. Key Challenges:</p>	<ul style="list-style-type: none"> • Covid-19 has overloaded people’s calendar as there is too much time spent on new courses delivered remotely in most academic institutions.
<p>7. Deficits/Required Resources:</p>	<ul style="list-style-type: none"> • To be discussed with Mona/Eduardo
<p>8. Actions/Support requested from the Section:</p>	<ul style="list-style-type: none"> • Assistance with publicising some of these events across different chapters
<p>9. Action Plan:</p>	<p>Dates still need to be finalised for these actions, depends on availability of speakers</p>