The IEEE Engineering in Medicine and Biology Society is pleased to announce that the 44th International Engineering in Medicine and Biology Conference will be held in Glasgow, United Kingdom from 11-15 July, 2022. This conference is themed, “Biomedical Engineering transforming the provision of healthcare: promoting wellness through personalised & predictable provision at the point of care”. The scientific tracks will cover the standard topics of the EMBS technical committees with an additional topic, consistent with the conference theme. Alongside the scientific sessions, there will be an exhibition comprising biomedical engineering companies, publishers, SMEs, start-ups, funded biomedical research, and Biomedical Engineering programs, Institutes, and Universities. The conference will provide networking opportunities for engineers, clinicians, scientists, and entrepreneurs, as well as for students and young professionals. The conference program consists of mini-symposia, workshops, invited sessions, oral and e-poster sessions, sessions for students and young professionals, and sessions for clinicians and entrepreneurs. Glasgow and Scotland, within which it sits, have been the centre of innovation for scientific, medical and technical research for centuries – for example, John Macintyre established the world’s first hospital radiology department at Glasgow Royal Infirmary in 1896, and obstetric ultrasound was launched at the Queen Mother’s Hospital, Glasgow in the late 1950s. Many more technical and medical innovations are linked to Scotland and the wider UK – the seat of many scientific discoveries over many centuries.

**IMPORTANT DATES**

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<th>Special Sessions &amp; Workshop Proposals</th>
<th>Submission deadline</th>
<th>19 November, 2021</th>
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<td>Accept/reject notification</td>
<td>17 December, 2021</td>
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<td>Final Submission deadline</td>
<td>21 January, 2022</td>
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<td>Full Papers</td>
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<td>10 January, 2022</td>
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<td>1-Page Papers (Research Poster Papers)</td>
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<td>Final submission deadline</td>
<td>6 May, 2022</td>
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**TOPICS**

**PHYSIOLOGICAL SYSTEM ENQUIRY**
- Physiological Organ Systems (inc Cardiovascular, Respiratory, Renal etc.), Neural & Neuramuscuslar Systems
- Micro/Nano Bioengineering; Cellular/Tissue Engineering; Multi-scale Physiological Systems

**SENSING & PROCESSING ACQUIRED SIGNALS**
- Biomedical Sensors and Systems (including wearables)
- Biomedical Signal Processing
- Biomedical Imaging and Image Processing

**SPECIAL CONFERENCE THEME**
- Personalised and Predictable Health Provision at the Point of Care

**APPLIED CAPABILITIES**
- Diagnostic/Therapeutic Systems; Devices and their Technologies
- Clinical Engineering & its Translation
- Bio-robotics; Surgical Planning and Biomechanics; Rehabilitation Engineering
- Biomedical/Health Informatics
- Computational Systems; Synthetic Biology; Multi-scale modelling

**BME & EDUCATION**
- Biomedical Engineering in Education and Public Health

**ORGANISING COMMITTEE**

- **Conference Chair** ◆ Christopher James
- **Conference co-Chair** ◆ James Patton
- **Programme Chair** ◆ Ronald Summers
- **Finance Chair** ◆ Nigel Lovell
- **EMBC EiC** ◆ Riccardo Barbieri
- **EMBS VP Conferences** ◆ James Weiland
- **Industry Liaison Chair** ◆ William Sandham
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- **Student & Young Professionals** ◆ Cristian Linte
- **Publicity & Comms Chair** ◆ Richard Gault
- **Intl Program Committee Chair** ◆ Luca Mainardi
- **Workshop Coordinator** ◆ Joaquin Azpiroz
- **EMB Student Rep** ◆ Jingzhi An