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Technical Program – 2 August 2025

17:00 - 18:00

Registration

Room: Outdoor Starlight Terrace North

18:00 - 19:30

Welcome Reception & YP Poster Session

Room: Outdoor Starlight Terrace North

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7:30 - 8:00

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Room: Outdoor Starlight Terrace South

8:00 - 8:30

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Room: Gaslamp

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Room: Gaslamp

Session Chair(s): Stefano Bonaldo, University of Padova

Michael Daniele, North Carolina State University

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{1}Indiana University, United States; {2}Pennsylvania State University, United States

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{1}Leiden University Medical Center, Netherlands; {2}Optics11 Life, Netherlands

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Room: Gaslamp

Session Chair(s): Annika Jarvinen, Bionavis

Joshua Windmiller, Dexcom, Inc

Technical Program – 3 August 2025

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Room: Gaslamp

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Room: Gaslamp

Session Chair(s): Annika Jarvinen, Bionavis

Joshua Windmiller, Dexcom, Inc

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Room: Gaslamp

Session Chair(s): Annika Jarvinen, Bionavis

Joshua Windmiller, Dexcom, Inc

Technical Program – 4 August 2025

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Opening Remarks/Sensors Council Address

Room: Gaslamp

9:00 - 10:00

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Sheng Xu, University of California San Diego

Room: Gaslamp

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Luigi Occhipinti, University of Cambridge

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{1}Johns Hopkins University, United States; {2}Prompt Diagnostics Inc., United States

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{1}Johns Hopkins University, United States; {2}Johns Hopkins University School of Medicine, United States

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Room: Gaslamp

Session Chair(s): Pedram Mohseni, Case Western Reserve University

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Room: Santa Rosa

Session Chair(s): Michael Daniele, North Carolina State University
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Women in Sensors (WiSe) Panel: Biosensing for Women's Health

Room: Gaslamp

Session Chair(s): Paola Saccomandi, Politecnico di Milano
Juliane Sempionatto, Rice University

19:00 - 21:30

Gala Dinner

USS Midway

Technical Program – 5 August 2025

8:00 - 8:30

Registration

Room: Outdoor Starlight Terrace South

8:30 - 9:00

Opening Remarks/ NIH Presentation

Room: Gaslamp

9:00 - 10:00

Plenary: Paper-Based Electrochemical Biosensors as Smart and Sustainable Analytical Devices

Fabiana Arduini, University of Rome

Room: Gaslamp

Session Chair(s): Pantelis Georgiou, Imperial College London

Michael Daniele, North Carolina State University

10:00 - 10:30

Coffee Break

Room: Santa Rosa

10:30 - 12:00

C1L-A: Lecture Session 3a

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Session Chair(s): Benchaporn Lertanantawong, Mahidol University

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{1}Johns Hopkins University, United States; {2}University of Pittsburgh Medical Center, United States

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{1}Helmholtz-Zentrum Dresden-Rossendorf e.V., Germany; {2}Helmholtz-Zentrum Dresden-Rossendorf e.V. & Technische Universität Dresden, Germany

12:00 - 13:30

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Room: Outdoor Starlight Terrace South

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{1}Binghamton University State University of New York, United States; {2}CathBuddy Inc., United States; {3}State University of New York at Binghamton, United States

Technical Program – 5 August 2025

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C3P-B: Poster Session 2 & Coffee Break

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{1}Occhipintigroup, Cambridge Graphene Centre, University of Cambridge, United Kingdom; {2}University of Cambridge, United Kingdom; {3}University of Hong Kong, Hong Kong

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{1}Università del Salento, Italy; {2}Università di Pisa, Italy

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{1}Università del Salento, Italy; {2}Università di Pisa, Italy; {3}University of Ulm, Germany

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{1}Occhipintigroup, Cambridge Graphene Centre, University of Cambridge, United Kingdom; {2}University of Cambridge, United Kingdom

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^{1}College of Health Solutions, Arizona State University, Phoenix, AZ, USA, ^{2}Departments of Psychology, Washington State University, Pullman, WA, USA, ^{3}School of Electrical Engineering and Computer Science, Washington State University, Pullman, WA, USA, ^{4}Department of Human Development, Washington State University, Pullman, WA, USA

Invited Journal Author

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^{1}Department of Information Engineering, University of Padova, Padua, Italy, ^{2}INIFTA, CONICET, Universidad Nacional de La Plata, La Plata, Argentina, ^{3}Hospital de Alta Complejidad El Cruce, Florencio Varela, Argentina

Invited Journal Author

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^{1}Department of Electrical Engineering and Computing, São Carlos School of Engineering, ^{2}Department of Physical-Chemistry, Institute of Chemistry of São Carlos

Invited Journal Author

10.1109/JSEN.2024.3485475: Concurrent Validity of Embedded Solutions for Whole Body Dynamics Analysis...N/A

Maxime Sabbah^{1}, Bruno Watier^{1}, Raphael Dumas^{2}, Maxime Gautier^{3}, Vincent Bonnet^{1}

^{1}Laboratoire d'Analyse et d'Architecture des Systèmes, ^{2}Laboratoire de Biomécanique et de Mécanique des Chocs, ^{3}Laboratoire des Sciences du Numérique de Nantes, Université de Nantes

Technical Program – 5 August 2025

Invited Journal Author

10.1109/JSEN.2024.3467995: [Reduced Graphene Oxide-Based Flexible Pressure Sensor for Biomedical Applications...N/A](#)

Alessandro Sanginario{1}, Irene Buraoli{1}, Marco Boscherini{1}, Stefania Vitale{2}, Conoci Sabrina{3}, Daniele Botto{4}, Dario Leone{5}, Alberto Milan{5}, Artur Ciesielski{2}, Paolo Samorì{2}, Danilo Demarchi{1}

{1}Department of Electronics and Telecommunications, Politecnico di Torino, {2}ISIS, Université de Strasbourg & CNRS,

{3}Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina,

{4}Department of Mechanical and Aerospace Engineering, Politecnico di Torino, {5}Department of Medical Science, Candiolo Cancer Institute FPO-IRCCS, Division of Internal Medicine, University of Turin

Invited Journal Author

10.1109/JSEN.2024.3428345: [Monitoring of Growth Based on Reduced-Graphene Oxide TFT for Dairy Industry Applications...N/A](#)

Lara Franchin{1}, Stefano Casalini{2}, Andrea Cester{1}, Alessandro Paccagnella{1}, Stefano Bonaldo{1}

{1}Department of Information Engineering, University of Padova, Padua, Italy, {2}Department of Chemical Sciences, University of Padova, Padua, Italy

16:30 - 17:00

Closing Remarks & Awards

Room: Gaslamp