The 3rd Annual Conference on:

Chemical Sensors for Wearable Devices

03.03.2021

Scientific Program

Technion – Israel Institute of Technology
Haifa, Israel
09:00 – 09:15  Greetings and Welcome Ceremony
          Hossam Haick

09:15 – 11:55  Session 1
               Chair – Hossam Haick

09:15 – 09:45  Wenlong Cheng: "Gold Nanowire Electronic Skins for Wearable Biochemical Monitoring" (Keynote talk)

09:45 – 10:15  Luisa Torsi: "Ultimately Sensitive Potentiometric Organic Bioelectronic Sensors" (Keynote talk)

10:15 – 10:35  Han Jin: "Nanosensor-Based Intelligent Wearable Electronic for Implementing Future Med-Tech"

10:35 – 10:55  Shlomo Yitzchaik "Ionsensing Enclosing Conformationally Responsive Peptides"

10:55 – 11:15  Hadar Ben-Yoav: "Intelligent Multi-Electrode Arrays for In-Situ Detection of Redox Biomarkers"

11:15 – 11:35  Weiwei Wu: "MXene based Tactus Sensors"

11:35 – 11:55  Omer Yehezkeli: "Enzyme Based Amperometric Glucose Biosensors and Biofuel Cells"

11:55 - 12:20  Break + Posters' Visit: https://cswd2021.net.technion.ac.il/posters/

12:20 – 14:20  Session 2
               Chair – Gidi Shani

12:20 – 12:50  Steve Beeby: "Flexible Filament Circuits for Wearable E-Textile Sensors" (Keynote talk)

12:50 – 13:10  Theodore Hughes-Riley: "The Development of Electronic Textiles with Sensing Capabilities"


13:30 – 13:50  Rakefet Ofek Almog: "Zinc Oxide Nanowalls Decorated with Noble Metal NP for Biosensor Applications"

13:50 – 14:20  Xiaodong Chen: "Conformal Bioelectronic Interfaces" (Keynote talk)


14:40 – 15:10  Posters' Flash talks
15:10 – 17:10  **Session 3**  
Chairs – Yoav Y. Broza

15:10 – 15:30  **Yossi Rosenwaks**: "Ultrasensitive Hydrogen Detection by Electrostatically Formed Silicon Nanowire Decorated by Palladium Nanoparticles"

15:30 – 15:50  **Tan Phat Huynh**: "CuS/Carrageenan Nanocomposite Grown from The Gel/Liquid Interface Towards Sensing Application"

15:50 – 16:10  **Michael Daniele**: "Lab-on-the-Body: Multiplexing Biosensors to Elucidate New Biometrics"

16:10 – 16:30  **Weiqi Sai**: "Opportunities and Challenges Faced by Consumer Wearable Market" (Huawei)

16:30 – 16:50  **Shavini Stuart-Wijesuriya**: "Adhesion and Material considerations of Wearable Sensors for the Next Generation Medical Patches" (Holst center, TNO)

16:50 – 17:10  **Paul Rosenstein**: "Don’t leave the patch to last. Planning and managing complex wearable adhesive patch development projects"

17:10-17:20  **Break**

17:20 – 18:30  **Session 4 - Plenary**  
Chair – Hossam Haick

17:20 - 18:10  **Zhong Lin Wang**: "Triboelectric Nanogenerators as Self-Powered Sensors" *(Plenary talk)*

18:10 - 18:30  **Closing Remarks and Poster Award**  
Hossam Haick