



ZOOM EVENT

CSWD2021

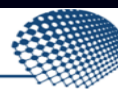
The 3rd Annual Conference on:

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"*

13:10 – 13:30 **Israel Alshanski:** *"Glycan-Based Electrochemical Biosensing of Enzymatic Sialylation Processes"*

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)

14:20 – 14:40 **Dermot Diamond:** *"Next Generation 'Wearable' Biochemical Sensors – Can Biomimetic Fluidics Help Deliver Much More Sophisticated Technologies?"*

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