

# V-SENSORS2025

*3<sup>rd</sup> Edition of*

## Sensors and Sensing Technology

*Virtual*

**March 28, 2025**

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**Contact us:**

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Webinar  
TimingsSpeakers  
Timings

07:00 – 07:10

Introduction

07:10 – 07:50

15:10 – 15:50 P

Title: Statistical Filtering Strategies of Stochastic Signals

**Pavel Loskot, ZJU-UIUC Institute, China.**

07:50 – 08:30

15:50 – 16:30 P

Title: 3D Spatial Intelligence: From Perception to Comprehension and Creation

**Xiaojuan Qi, The University of Hong Kong, Hong Kong.**

08:30 – 09:10

17:30 – 18:10 P

Title: Mixed-beam generator with crosstalk removal and polarization control functions using pincer-blocking chopper system

**Yoichi Ogata, Department of R&D, Choi-Ogas Platform, Japan.**

09:10 – 09:50

17:10 – 17:50 P

Title: Progress in RF and Microwave Resonator Sensors: Applications, Research Challenges, and Future Outlook

**Zakaria Zahriladha, University Teknikal Malaysia Melaka, Malaysia.**

09:50 – 10:25

17:50 – 18:25 K

Title: Unlock the Mysteries of Nucleic Acids in Chemistry and Materials Science

**Pik Kwan Lo, City University of Hong Kong, Hong Kong S A R.**

10:25 – 11:00

10:25 – 11:10 K

Title: Autonomous Hybrid Green Energy Harvesting Radio Frequency Sensors Design Considerations

**Sunday Cookey Ekpo, Manchester Metropolitan University, UK.**

11:00 – 11:35 12:00 – 12:35 K

Title: Comparing Sentinel-2 and Landsat 9 for land use and land cover mapping assessment in the north of Congo Republic: a case study in Sangha region

**Loubelo Madiela Bill Donatien, Marien Ngouabi University, Republic of Congo**

11:35 – 12:10 12:35 – 13:10 K

Title: Generative Artificial Intelligence for Cyber Security

**Farah Jemili, University of Sousse, Tunisia**

12:10 – 12:30 06:10 – 06:30 I

Title: Evidence of Field Torsion through a Hall's Sensor with Dynamic Magnetic Dilaton

**Francisco Bulnes, IINAMEI, TESCHA, CDUV, Mexico**

12:30 – 13:10 08:30 – 09:10 P

Title: Design of nanocomposite sensing interfaces and wireless sensor platforms for environmental monitoring and medical screening

**Chuan Jian Zhong, Binghamton University, New York, USA**

13:10 – 13:50 09:10 – 09:50 P

Title: Crystalline Phase Change Due to High-Speed Impact on Steel

**Muna Slewa, Embry–Riddle Aeronautical University, USA**

14:15 – 14:50 08:15 – 08:50 K

Title: "Smart Sensors": A New Technology with Real-World Uses

**Ranjit Singh, Modern Group of Colleges, India**

**Closing Ceremony**