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Agenda: CRMN-TUC Training Workshop on Sensor Technology (PRIMINAS Project -ref 101079485-)



Workshop program

Berlin, CEST (TN +1h)

| Time (TN) | Monday,15.04.2024 Day 1: Introduction | Tuesday, 16.04.2024 Day 2: Sensors: Part 1 | Wednesday, 17.04.2024 Day 3: Sensors: Part 2 | Thursday, 18.04.2024 Day 4: Sensors: Part 3 | Friday, 19.04.2024 Day 5: Signal processing |
|---------------|---|--|---|---|--|
| Room | CRMN | CRMN | CRMN | CRMN | CRMN |
| 09:00 – 10:00 | Prof. Olfa Kanoun Opening and introduction to sensors and sensors properties | Dr. Saddam Weheabby Electrochemical sensor: Basics, principles, and innovation | Ahmed Attaoui Physical sensors for strain and pressure sensing | Dr. Saddam Weheabby Synthesis and characterization of nanomaterials for sensors | Dr. Rim Barioul Basics of sensor signal processing and machine learning: Part II |
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| 10:00 - 10:30 | Coffee break | Coffee break | Coffee break | Coffee break | Coffee break |
| 10:30 - 11:30 | Prof. Olfa Kanoun How to improve sensory information? | Malak Talbi Detection methods of electrochemical sensors | Ammar Al-Hamry Physical sensors for temperature and humidity | Tianqi Lu Gas sensor: mechanisms, fabrication, and characterization | Tianqi Lu Artificial senses: e-Nose & e-Tongue |
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| 11:30 - 14:00 | Lunch break | Lunch break | Lunch break | Lunch break | Lunch break |
| 14:00 – 15:00 | Ahmed Yahia Kallel Impedance spectroscopy: Measurement, modeling, and application | Anurag Adiraju Selected applications of electrochemical sensors | Hussamaldeen Jaradat Electrochemical biosensor for bacteria detection | Dr. Rim Barioul Basics of sensor signal processing and machine learning: Part I | Tianqi Lu Feedback & Closure |
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