The XIV European Magnetic Sensors and Actuators Conference

Tuesday, 25 June 2024

TUE: Session 1 - Lecture Hall (09:30 - 10:30)

  -**Conveners: Pavel Ripka**

time	[id] title	presenter
09:30	[87] Low Noise Magnetoelectric Composite Sensors	MCCORD, Jeffrey
10:00	[90] Limitation in Ni2FeGa Microwires Design as Sensor/Actuator with Focus on Shape Memory Effect	MILKOVIC, Ondrej
10:15	[48] Mobile Robots based on Multipole Magnetoactive Elastomer for Controllable Planar Locomotion	REICHE, Marius

TUE: Session 2 - Lecture Hall (11:00 - 12:30)

  -**Conveners: Marco Coïsson**

time	[id] title	presenter
11:00	[65] Low Noise Fluxgate Sensors for Biomedical Applications	BUTTA GONZALES, Mattia
11:30	[8] Development of Planar Hall Magnetoresistive Sensor and its Application for Magnetic Encoder	JEON, Taehyeong
11:45	[5] Investigating Neutron Radiation Induced Damage on Novel Type of Hall-Effect Sensors	REDDIG, Wiktoria
12:00	[40] Inductive Microsensor for Biomedical Analysis by Magnetic Nanoparticles Detection	Mr ALATI, Samy
12:15	[15] Magnetoelastic Resonators Functionalized with Metal Organic Frameworks for Wireless Humidity Detection	SISNIEGA, Beatriz

TUE: Session 3 - Lecture Hall (14:00 - 15:45)

  -**Conveners: Nicoleta Lupu**

time	[id] title	presenter
14:00	[91] MR Sensors Integration with Soft Magnetic Elastomers for Tactile Applications	FREITAS, Susana
14:30	[50] Lithography Optimization with the Use of Artificial Intelligence for Tunneling Magnetoresistive Sensor Fabrication	SORENSEN, Daniel
14:45	[24] Modeling Torques in Systems with Spin-Orbit Coupling	SVERDLOV, Victor
15:00	[27] Effect of Topography on Extraordinary Magnetoresistive Devices	SASI KUMAR, Sreejith
15:15	[28] How Physics-Informed Neural Networks (PINNs) could be applied in Magnetic Source Localization and Characterization	Prof. DOLABDJIAN, Christophe
15:30	[79] Four-port Characterization of YIG Magnonic Device: a Way to Improve Magnetic Sensors based on YIG Device	SAEZ, Sébastien