

The XIV European Magnetic Sensors and Actuators Conference

Wednesday, 26 June 2024

WED: Session 4 - Lecture Hall (09:00 - 10:30)

-Conveners: Rafael Perez del Real

time	[id] title	presenter
09:00	[21] Highly Sensitive Off-diagonal Magneto-Impedance Sensor System for Bio Magnetic Field Measurement	UCHIYAMA, Tsuyoshi
09:30	[18] From Theory to Experiment. Investigation of the Spectral Density of the Equivalent Magnetic Noise of PHMR Sensors.	DOLABDJIAN, Christophe
09:45	[20] Magnetic X-Y Position Sensor	RIPKA, Pavel
10:00	[4] CMOS-based Micro-fluxgate with Racetrack Core and Solenoid Coils	MAIER, Jiří
10:15	[71] Vertical Integration of TMR Sensors for Enhanced Detectivity	MONTEIRO, Filipe

WED: Session 5 - Lecture Hall (11:00 - 12:30)

-Conveners: Ivan Škorvánek

time	[id] title	presenter
11:00	[1] Magnetic Actuation based Mattertronic Circuitry Platform for Multiplexed Single Cells Analysis and Beyond	Prof. KIM, CheolGi
11:30	[2] Pulse Monitoring using a Magnetic Sensor and its Detection Mechanism	WU, Yihong
11:45	[81] Influence of Tensile Stress on Scattering Parameters of Continuous Ferromagnetic Microwire Embedded into Reinforced Composites	GARCIA-ETXABE, Rafael
12:00	[33] Magnetic Nanoparticles Detection with GMI Effect in Micro Fluidic System	COÏSSON, Marco
12:15	[34] Microfluidic Device with Embedded AMR Sensors for the Detection of Magnetotactic Bacteria	Mx LETE, Nerea

WED: Session 6 - Lecture Hall (14:00 - 15:45)

-Conveners: Victor Sverdlov

time	[id] title	presenter
14:00	[49] Towards Reprogrammable Magnetoresistive Sensors	LEITAO, Diana
14:30	[46] Vertically Packed Architecture for Low Noise AMR Sensors	BRITES, Guilherme
14:45	[6] Magnetic Diagnostics in Extreme Temperature Conditions	Dr EL-AHMAR, Semir
15:00	[96] Impact of Stress Induced Anisotropy on Local Atomic Structure of Fe ₃ Si Nanocrystals	Dr BEDNARČÍK, Jozef
15:15	[56] From Košice to the Orbit. A Successful Story of Applied Magnetism	Dr ŠMELKO, Miroslav