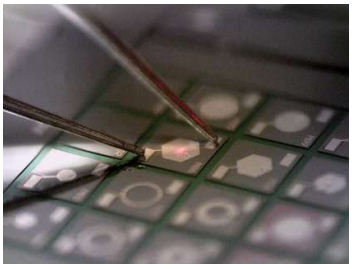
UNIVERSITY OF ZAGREB
Faculty of Electrical Engineering and Computing

LABORATORY FOR INTELLIGENT SENSOR SYSTEMS

Financira Europska unija
NextGenerationEU

Projektna radionica: Elektronički senzorski sustavi s niskom potrošnjom energije za detekciju akustičkih događaja



NPOO.C3.2.R2-I1.06.0090

https://www.fer.unizg.hr/liss/aemems

Sveučilište u Zagrebu
Fakultet elektrotehnike i računarstva

Petak, 22.05.2026. 09:00 - 14:00 h, Siva vijećnica

09:00 - 09:10	**Registracija sudionika**
09:10 - 09:30	**Uvodna riječ, ciljevi, aktivnosti i rezultati projekta** voditelj projekta, izv. prof. dr. sc. Dinko Oletić Sveučilište u Zagrebu Fakultet elektrotehnike i računarstva
09:30 - 09:50	**Development of a custom MEMS technological process on SOI wafers with ZnO thin-film piezoelectric** Prof. dr. sc. Emile Martincic i dr. sc. Etienne Herth C2N, Universite Paris-Saclay
09:50 - 10:10	**Designing MEMS-based ultrasonic acoustic emission NDT sensors with built-in frequency-decomposition capability** Mihael Katalenić, mag. ing. Sveučilište u Zagrebu Fakultet elektrotehnike i računarstva
10:10 - 10:30	**Pauza za kavu**
10:30 - 10:50	**Development of a novel MEMS technological process on SOI wafers with AlN thin-film piezoelectric** Peter Fecko i Linda Supalova CEITEC Nano, Brno University of Technology
10:50 - 11:10	**Design of PMUT receiver elements for biomedical photoacoustic ultrasonic imaging applications** Niko Plantak, mag. ing. Sveučilište u Zagrebu Fakultet elektrotehnike i računarstva
11:10 - 11:30	**Integrated multichannel analog sensor frontends in TSMC 65 nm for piezoelectric ultrasonic MEMS sensors** Dr. sc. Edi Emanović Sveučilište u Zagrebu Fakultet elektrotehnike i računarstva
11:30 - 11:50	**Integrated digital interfaces in TSMC 65 nm for recording, feature extraction, and readout of ultrasonic MEMS sensors** Doc. dr. sc. Jurica Kundrata Sveučilište u Zagrebu Fakultet elektrotehnike i računarstva
12:00 - 13:00	**Umrežavanje i ručak**
13:00 - 14:00	**Posjeta laboratorija**