

SensSmart Project Workshop

Multimodal Sensor Systems and Artificial Intelligence in Service of Cardiovascular Diagnostics

Belgrade, Aug 25, 2025 | 16:00 – 18:40

Time	Session / Topic	Speaker(s)
16:00 – 16:15	Welcome Introduction to SensSmart	Ljupčo Hadžievski, Vinča Institute Jovana Petrović, Vinča Institute
16:15 – 16:35	SensSmartTech study: Post-exercise heart relaxation	Mirjana Stojanović, Vinča Institute Study protocol and database Vladimir Atanasoski, Vinča Institute Heart-rate estimation Aleksandra Maluckov, Vinča Institute Multifractal analysis of heart dynamics
16:35 – 16:45	Design matters	Nikola Knežević, Faculty of Applied Arts by proxy Jovana Petrović Ergonomic device design Uroš Ralević, Institute of Physics Multimodal-signal annotation app
16:45 – 17:30	Multimodal sensor integration	Guest lecture by Matija Štrbac, TECNALIA Screen-printed multiarray and multimodal sensors for electrophysiological and electrochemical sensing Guest lecture by Petra Beličev, Vinča Multimodal fetal monitoring
17:30 – 17:40	Discussion: Joint proposals	
17:40 – 18:05	SensSmart clinical study: Heart failure classification	Milica Ivanišević, Clinical Centre Study protocol Mirjana Stojanović, Vinča Institute SensSmart Database Maša Tiosavljević, School of Electrical Eng. HF classification results
18:05 – 18:35	Discussion: AI-assisted multimodal signal analysis	Special guest Igor Ilić, Head of AI Engineering at Goodnotes
18:35 – 18:40	Wrap up	
18:40 →	Cocktail	