



BioEM 2025

Friday 27 June 2025

**Workshop 5: Innovative Applications of Electromagnetics: BioEM Young Scientists Leading the Way - La Nef (08:30 - 10:15)**

-Conveners: Sam Aerts; Rosa Orlacchio

time	[id] title	presenter
08:30	[373] An Insight on Recent Advancements of Radars in Short-Range and Biomedical Applications	SACCO, Giulia
08:45	[375] Microwave dielectric spectroscopy for biological characterization and healthcare applications: exploring the 3D biological scale	PEYTRAL-RIEU, Olivia
09:00	[376] A novel observable in TMS numerical dosimetry: the Effective Electric Field	COLELLA, Micol
09:15	[372] Wireless battery-free neuroelectronic interfaces: Advancing efficiency and reducing user exposure	NIKOLAYEV, Denys
09:30	[374] Development of Radiofrequency Tissue-Mimicking Phantoms for Validating Novel Devices for Skin Cancer Screening	KRANOLD, Lena
09:45	[377] Interactive design of EMF-exposure-aware wireless networks using augmented reality and digital twins - a technical demo	SHIKHANTSOV, Sergei
10:00	[388] Discussion	