1st General Workshop in Belgrade, Serbia

ETF - School of Electrical Engineering, 20-22 May, 2019

EMERALD
ElectroMagnetic imaging for a novel genERation of medicAL Devices

Monday, 20th May, 2019

9:00 - 9:15	*Welcome and Registration*	
9:15 - 10:45	ESRs' presentations	ESRs
10:45 - 11:00	*Coffee Break*	
11:00 - 12:30	WIPL-D software: Theoretical background	WIPL-D, Prof. Branko Kolundzija
12:30 - 13:30	*Lunch Break*	*Klub 86*
13:30 - 15:15	Introduction to WIPL-D software package	WIPL-D, Branko Mrdakovic, Jasmin Music
15:15 - 15:30	*Coffee Break*	
15:30 - 17:00	Modeling/Simulation of canonical antennas (WIPL-D Pro CAD)	WIPL-D, Branko Mrdakovic, Jasmin Music
20:00	*Networking Dinner*	https://www.restoranorasac.com/en/about

Tuesday, 21st May, 2019

9:00 - 9:15	*Welcome and Registration*	
9:15 - 10:45	Creation/simulation of canonical phantoms (WIPL-D Pro CAD)	WIPL-D, Mladjen Stevanetic, Branislav Ninkovic
10:45 - 11:00	*Coffee Break*	
11:00 - 12:30	Creation/simulation of canonical device + phantom scenario (WIPL-D Pro CAD)	WIPL-D, Mladjen Stevanetic, Branislav Ninkovic
12:30 - 13:30	*Lunch Break*	*Klub 86*
13:30 - 15:15	Import of CAD files and "healing" the models (WIPL-D Pro CAD)	WIPL-D, Mladjen Stevanetic, Branislav Ninkovic
15:15 - 15:30	*Coffee Break*	
15:30 - 17:00	Creation/Simulation of mixed (real life + canonical) phatnoms (Wipl-D Pro CAD)	WIPL-D, Mladjen Stevanetic, Branislav Ninkovic
18:45 - 20:00	*Nikola Tesla Museum - Organized Visit*	https://nikolateslamuseum.org/en/

Wednesday, 22nd May, 2019

9:00 - 9:15	*Welcome and Registration*	
9:15 - 10:45	Import/refinement of STL files/models (Blender and WIPL-D Pro CAD)	WIPL-D, Mladjen Stevanetic, Branislav Ninkovic
10:45 - 11:00	*Coffee Break*	
11:00 - 12:30	Creation/Simulation of antenna + phantom scenaria using libraries of antennas and STL based phantoms	WIPL-D, Mladjen Stevanetic, Branislav Ninkovic
12:30 - 13:30	*Lunch Break*	*Klub 86*
13:30 - 15:15	Import/refinement of voxel models and creation of microwave imaging scenarios	WIPL-D, Mladjen Stevanetic, Branislav Ninkovic
15:15 - 15:30	*Coffee Break*	
15:30 - 17:00	Real-life microwave imaging scenarios in WIPL-D software	WIPL-D, Prof. Branko Kolundzija

WIPL-D