

YOUNG GENERATION NUCLEAR CONFERENCE 2019

Tuesday, 5.3.2019, lecture hall, O2 building, Reactor centre, JSI

Conference Programme

8:00	Conference opening
8:15	T. Polach: <i>Young Network Generation of the Nuclear Society of Slovenia</i>
	Invited Speech
8:25	P. Papadopoulos: <i>Sharing Knowledge and Experience across European Borders and Beyond</i>
8:55	P. Dučkić: Young Generation Network of the Croatian Nuclear Society
	Sustainable Future
9:25	H. Grganić: Reaching Agreement on Climate Action and Role of Nuclear Energy – View on COP24 Convention in Katowice
9:40	Coffee break
	Round table
10:00	Short term actions for long term nuclear future
11:30	Group photo
11:35	Lunch break
	Sustainable Future
12:30	E. Brandmayr: The Role of Nuclear Energy in the European National Long Term Strategies: the Polish Case
	Research Reactor
12:45	J. Malec: Research Reactor Simulator
12:57	A. Pungertič: Neutron Spectrum Changes in the JSI TRIGA Research Reactor Due to Fuel Burnup
13:09	K. Ambrožič: Delayed Gamma Field Inside the JSI TRIGA Reactor: Measurements vs. Simulations
	Reactor Physics
13:21	V. Mascolino: Monte Carlo Eigenvalue Issues and Rapid Solution for Spent Fuel Cask Systems
13:33	V. Merljak: Decay Heat and Isotopic Composition Calculation Using SCALE's ORIGAMI Automator
13:45	D. Kotnik: Use of ADVANTG to Analyse γ Dose Rates from the Future Slovenian LILW Repository
13:57	B. Kos: Validation of the Denovo Discrete Ordinates Transport Solver
	Fusion Reactor Physics
14:09	A. Žohar: Monte Carlo Methods for Transport Simulation in Fusion
14:21	A. Čufar: DEMO Neutronics
14:33	Coffee break
	Thermal Hydraulics
14:48	B. Zajec: Particle Image Velocimetry of Water Flowing Over a Backward Facing Step
15:00	J. Oder: Simulations of Turbulent Liquid Metal Flow Over a Backward Facing Step
15:12	R. Krpan: Scaling of Experiments on Containment Atmosphere Mixing to Nuclear Power Plant
15:24	M. Kunšek: Subgrid Particle Removal During Pool Scrubbing
	Severe Accident
15:36	Š. Vlahović: On-Transient Qualification of the NPP Krško MELCOR 1.8.6 Nodalization
15:48	J. Kokalj: Steam Explosions and Premixed Layer in Stratified Melt-Coolant Configuration
16:00	Closing discussion