

**ECMP 2024 - Wednesday, 11th September 2024 – 18th ENEN PhD Event Presentations**  
**Science Congress Center Munich. Garching (Munich), Germany**

From	To	End	Name	Title of the paper	Institution nominating
8:00	8:15	8:20	<b>1 CAQUAS Aurore</b>	<i>The bathtub vortex: properties of the flow and gas entrainment</i>	CEA/INSTN
8:20	8:35	8:40	<b>2 CHEIKH Sidi-Mohamed</b>	<i>Fission yields evaluation for the main actinides involved in the nuclear fuel cycle</i>	CEA/INSTN
8:40	8:55	9:00	<b>3 VÁZQUEZ-RODRÍGUEZ Carlos</b>	<i>Advanced implementation of the spray safety system into a 3D-GOTHIC PWR-W containment model and its impact on the hydrogen combustion risk</i>	Universidad Politécnica de Madrid
9:00	9:15	9:20	<b>4 LONGO Lorenzo</b>	<i>Experimental characterization of PWR fuel assemblies mechanical behaviour under hydrodynamic and seismic-like loads</i>	CEA/INSTN
9:20	9:35	9:40	<b>5 BELGRAND Louis</b>	<i>On the accuracy of microscale solutions in modeling the multiscale thermo-mechanical behavior of heterogeneous materials</i>	CEA/INSTN
9:40	9:55	10:00	<b>6 CAVALLINI Caterina</b>	<i>Investigation of corrosion-erosion phenomena in primary cooling circuits of reactor components</i>	CIRTEN/ University of Padova
<b>10:00</b>	<b>10:20</b>	<b>Coffee break</b>			

10:20	10:35	10:40	7	ZULLO Giovanni	<i>Development and assessment of an open-source code for gaseous and volatile fission product behaviour in light water reactor fuel</i>	CIRTEN/ Politecnico di Milano	
10:40	10:55	11:00	8	MOUTIN Léo	<i>UO2 ceramics porous network characterization and modelling. Simulation of the thermal conductivity of such microstructures at various temperatures and in different environments</i>	CEA/INSTN	
11:00	11:15	11:20	9	FUENTES SOLIS Noelia	<i>Effect of Liquid Metal Environment on Nucleation and Propagation of Fatigue Cracks</i>	SCK CEN	
11:20	11:35	11:40	10	KARIM Hamza	<i>Microfluidics and modeling: two tools for determining the kinetic constants of mass transfer in liquid-liquid extraction</i>	CEA/INSTN	
11:40	11:55	12:00	11	GALLUCCIO Francesco	<i>Advanced radiochemical methods and green processes to address challenging waste in nuclear decommissioning</i>	CIRTEN/ Politecnico di Milano	
12:00	12:15	12:20	12	REN Emmanuel	<i>Screening of the microscopic origins of Xe/Kr separation in nanoporous materials</i>	CEA/INSTN	
12:20	12:35	12:40	13	RAMOISIAUX Eliott	<i>Time-dependent evaluation of machine and shielding activation for medical accelerator systems: Self-consistent numerical evaluation of concrete shielding activation for proton therapy systems.</i>	Université libre de Bruxelles (ULB), Ecole Polytechnique de Bruxelles	
12:40	14:00	<b>Lunch break</b>					
14:00	14:15	14:20	14	DUNDARA DEBELJUH Dea	<i>Characterization of myocardial perfusion imaging systems through the physical descriptors</i>	EFOMP/ University Hospital Olomouc, Olomouc, Czech Republic	
14:20	14:35	14:40	15	PINTO Catarina Isabel Guilherme	<i>3D cancer models for the theranostic evaluation of <math>^{64}\text{CuCl}_2</math></i>	Department of Nuclear Sciences and Engineering, Instituto Superior Técnico, University of Lisboa	

14:40	14:55	15:00	16	LAMBRI Nicola	Multicentric evaluation of a machine learning model to streamline the radiotherapy patient specific quality assurance process	CIRTEN/ Politecnico di Milano
15:00	15:15	15:20				
15:20	16:00	Coffee break				
16:00	18:00	Workshop				

Central European Time (GMT + 2:00)



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