

RRFM

EUROPEAN RESEARCH
REACTOR CONFERENCE 2011



14:00 - 14:15	INFRASTRUCTURE TRIGA REACTOR FUEL SUPPORT Morrell, Douglas (United States Domestic Research Reactor Infrastructure TRIGA Reactor Fuel Support) - United States
14:15 - 14:30	FUEL MANAGEMENT STRATEGIES FOR A POSSIBLE FUTURE LEU CORE OF THE TRIGA MARK II VIENNA Khan Rustam (Vienna University of Technology/Atominstutute) - Austria
EXPERIMENTS AND MODELLING	
14:30 - 14:45	EXPERIMENTAL MEASUREMENT AND MCNP5 MODEL OF DOSE DISTRIBUTION IN THE UNIVERSITY OF UTAH TRIGA REACTOR POOL Choe, Dongok (The University of Utah) - United States
14:45 - 15:00	THE USE OF A GASEOUS RADIOACTIVE TRACER FOR THE DETERMINATION OF A PRESET TEMPERATURE IN A HIGH TEMPERATURE INDUSTRIAL OVEN Sedda, Antioco Franco (UTTMAT-IRR, ENEA Casaccia) - Italy
15:00 - 15:15	NEW TRANSIENT BENCHMARK TEST CONDUCTED AT THE UNIVERSITY OF UTAH TRIGA RESEARCH REACTOR FOR TWO- AND THREE-DIMENSIONAL SPACE AND TIME DEPENDENT KINETICS CODES AND METHODS Yang, Xue (The University of Utah) - United States
15:15 - 15:30	MODELLING THE FIR 1 TRIGA CORE FOR INCREASED POWER AND TILTED POWER DISTRIBUTION FOR FURTHER IMPROVEMENT OF BOTH THE EPITHERMAL NEUTRON BEAM INTENSITY AND THE CAPACITY FOR ISOTOPE PRODUCTION Auterinen, Iiro (VTT Technical Research Centre of Finland)
15:30 - 15:45	Coffee Break
15:45 - 16:00	INVESTIGATING THE ORIGIN OF ART-HISTORICAL LIMESTONE VIA NEUTRON ACTIVATION ANALYSIS Hampel, Gabriele (Universität Mainz, Institut für Kernchemie; Universität Mainz, Institut für Vor- und Frühgeschichte; GDEK Rheinlandpfalz, Institut für Archäologie und Naturwissenschaften; GDKE Rheinland-Pfalz, Direktion Landesmuseum Mainz, Abt. Archäologie; Institut National de Recherches Archéologiques Préventives (INRAP), Direction interrégionale Grand-Est nord) - Germany
16:00 - 16:15	PREPARATION, IRRADIATION AND CLINICAL USE OF HOLMIUM CONTAINING MICROSPHERES OBTAINED BY NEUTRON IRRADIATION IN TRIGA REACTOR Sedda, Antioco Franco (UTTMAT-IRR, ENEA Casaccia) - Italy
METHODOLOGY	
16:15 - 16:30	TOOLS AND METHODS FOR COMPREHENSIVE SAFETY ANALYSIS OF THE UNIVERSITY OF UTAH TRIGA REACTOR (UUTR) Satvat, Nader (The University of Utah; SLAC National Accelerator Laboratory) - United States

16:30 - 16:45	FAST SAMPLE TRANSPORTATION SYSTEMS FOR INAA AT TRIGA REACTORS Ismail Saleh (Vienna University of Technology/Atominstiute) - Austria
16:45 - 17:00	PROPOSAL OF LOW DOSE RATE IR-192 PRODUCTION AT A TRIGA MARK II RESEARCH REACTOR Karimzadeh Sam (Vienna University of Technology/Atominstiute) - Austria
OPERATION AND CHARACTERIZATION	
17:00 - 17:15	OPERATIONAL EXPERIENCE WITH THE TRIGA MARK II REACTOR OF THE UNIVERSITY OF PAVIA Borio di Tigliole, Andrea (Laboratorio Energia Nucleare Applicata (LENA) of University of Pavia) - Italy
17:15 - 17:30	IMPROVING THE ACCURACY OF THE ABSOLUTE POWER CALIBRATION OF TRIGA MARK II REACTOR Snoj, Luka (Jozef Stefan Institute) - Slovenia
17:30 - 17:45	AN OBJECT ORIENTED APPROACH TO SIMULATION OF TRIGA MARK II DYNAMIC RESPONSE Ponciroli, Roberto (Politecnico di Milano, Department of Energy, Nuclear Engineering Division ;Laboratorio Energia Nucleare Applicata (L.E.N.A) of the University of Pavia
17:45 - 18:00	DETERMINATION OF THE NEUTRON FLUX DENSITY DISTRIBUTION INSIDE THE CENTRAL EXPERIMENTAL TUBE OF THE TRIGA MAINZ Hampel, Gabriele (University of Mainz, Institute of Nuclear Chemistry; Aachen University of Applied Sciences, Campus JÄ¼lich; Fraunhofer Institute for Solar Energy Systems ISE, Freiburg) - Germany
	DISCUSSION OF ALL PAPERS PRESENTED
POSTER SESSION	
REAL-TIME MONITORING OF THE NEUTRON CAPTURE CROSS SECTION IN THE IPR-R1 TRIGA RESEARCH REACTOR AS A FUEL TEMPERATURE FUNCTION Palma, Daniel (ComissÄo Nacional de Energia Nuclear - CNEN - Sede;ComissÄo Nacional de Energia Nuclear - CNEN - CDTN;Programa de Engenharia Nuclear - PEN/COPPE) - Brazil	
CHARACTERIZATION OF THE NEUTRON FLUX AND BURNUP FUEL OF THE TRIGA IPR-R1 RESEARCH REACTOR USING SCALE6 AND MCNPX Pereira, Claubia (Institute for Industrial, Radiophysical and Environmental Safety (ISIRYM);Departamento de Engenharia Nuclear, Universidade Federal de Minas Gerais;Nuclear Technology Development Center/Brazilian Commission for Nuclear Energy (CDTN/CNEN)) - Brazil	
THERMAL NEUTRON FLUXES CHARACTERIZATION IN THE IRRADIATION CHANNELS OF THE IPR-R1 USING MONTE CARLO METHOD Pereira, Claubia (Departamento de Engenharia Nuclear, Universidade Federal de Minas Gerais;Nuclear Technology Development Center/Brazilian Commission for Nuclear Energy (CDTN/CNEN)) - Brazil	