Oral Presentations

The name appeared in the following program is the first author of each paper. Notifications on presenter is recorded by the organization committee and they are used to check the registration status of each paper.

September 29 (Mon.) 13:00-15:30

1-1. Reactor Analysis Method (Mizuho_A)

Session Chair : Tarmer Bahadir(Studsvik Scandpower, Inc.), Masayuki Tojo(GNF-J)

13:00	Hitachi's Advanced Technologies	Hideo Soneda	Hitachi-GE Nuclear Energy, Ltd.	2000002
13:20	Development of Enhanced SPH Method for Pin-by-Pin Core Calculations	Satoshi Takeda	NUCLEAR FUEL INDUSTRIES, LTD	1103613
13:40	STUDY ON CROSS SECTION CORRECTION USING SPH METHOD	Akinori Giho	Shikoku Electric Power Co., Inc.	1084323
	FOR A WHOLE CORE MOC CALCULATION			
14.00	ASYMPTOTIC, MULTIGROUP FLUX RECONSTRUCTION AND	Travis John Trahan	Los Alamos National Laboratory	1106814
	CONSISTENT DISCONTINUITY FACTORS			
	A POSTERIORI RECONSTRUCTION OF THE FLUX PROFILE IN THE			
14:20	CASE OF LOCALIZED AXIAL HETEROGENEITIES: AN APPLICATION	Enrico Girardi	Electricite de France - R&D	1101880
	TO THE MODELING OF PWR MIXING GRIDS			
14.40	Effects of Advanced Radial Submeshing Methods on Pin Power	Petra Mala	Paul Scherrer Institute	1105669
	Reconstruction for an EPR Core Design			
15.00	STUDY ON ROBUST ENERGY GROUP STRUCTURE TO SPECTRAL	Satoshi Wada	Osaka university	1105080
10.00				1100000

SS2-1. Reactor Physics and Criticality Safety Activities in OECD/NEA Working Party (Mizuho_B)

Session Chair : Mark DeHart(INL), Teruhiko Kugo(JAEA)

13.00	Activities of OECD/NEA on Scientific Issues of Reactor Systems and	TBD		2000000
.0.00	Critical Safety - Current Status and Future Plan		OE OB MER	2000000
13.20	UNCERTAINTY ANALYSIS OF THE OECD/NRC OSKARSHAMN-2	Ivan Angelov Gaiev	Royal Institute of Technology	1003230
10.20	BWR STABILITY BENCHMARK		Royal mattate of recimology	1035255
13:40	ANALYSIS OF THE OECD/NEA OSKARSHAMN-2 FEEDWATER	Abdelhamid Dokhane	Paul Scherrer Institute (PSI)	1101708
	TRANSIENT AND STABILITY BENCHMARK WITH SIMULATE-3K		. ,	
14:00	Data Assimilation for Kinetic Parameters Uncertainty Analysis	Evgeny Ivanov	Institut de Radioprotection et Surete	1105973
14.00			Nucleaire	
14.20	Criticality and Reactor Physics Benchmark Experiments: Influence of	Winfried Zwermann	Gesellschaft fuer Anlagen- und	1103852
14.20	Nuclear Data Uncertainties		Reaktorsicherheit (GRS) mbH	
	THE EVALUATION OF THE SUBCRITICAL EXPERIMENTS		Instituto de Pesquisas Energeticas e	
14:40	PERFORMED IN THE IPEN/MB-01 RESEARCH REACTOR FACILITY	Adimir dos Santos	Nucleares IREN CNEN/SR	1095691
	FOR THE IRPhE PROJECT		Nucleales IFEN-CIVEN/3F	
15:00	POLARIS: A NEW TWO-DIMENSIONAL LATTICE PHYSICS	Matthew A Jessee	Oak Ridge National Laboratory	1127872
13.00	ANALYSIS CAPABILITY FOR THE SCALE CODE SYSTEM	Mauriew A Jessee	Car Ridge National Laboratory	112/0/2

SS1-1. Molten Salt Reactors (Hiei)

Session Chair :Imre Pazsit(Chalmers Univ. of Tech.), Ritsuo Yoshioka(International Thorium Molten-Salt Forum)

13:00	EXPERIMENTAL MODELLING AND NUMERICAL ANALYSIS OF A	Bogdán Keisuke Yamaii	Institute of Nuclear Techniques, Budapest	1106911
10.00	MOLTEN SALT FAST REACTOR	boguar Kelouke Tamaji	University of Technology and Economics	
13:20	Remark on the propagating neutron noise in a MSR	Victor Dykin	Chalmers University of Technology	1127633
13:40	The two-group point-kinetic component of neutron noise in an MSR	Victor Dykin	Chalmers University of Technology	1105994
14:00	NEUTRONICS OF FLUID FUEL SYSTEM WITH PERFECT REMIXING	Sandra Dulla	Politecnico di Torino	1105851
14.20	An innovative approach to dynamics modeling and simulation of the	Matteo Zanetti	Politecnico di Milano, Department of Energy,	110/000
14.20	Molten Salt Reactor Experiment		Nuclear Engineering Division	1101000
14:40	SAFETY CRITERIA AND GUIDELINES FOR MSR ACCIDENT	Ritsuo Yoshioka	International Thorium Molten-Salt Forum	1081443
15.00	Reactivity-insertion-transient Analysis of a Fluoride Salt Cooled High	Yang Yang	Shanghai Institute of Applied Physics	1087405
10.00	Temperature Reactor	Tung Tung	changhar matitute of Applied Physics	1007400

SS5. Multiscale, Multiphysics Approaches in Nuclear Science and Engineering Applications (Atago)

Session Chair : Richard Martineau(INL), Takeshi Mitsuyasu(Hitachi)

13:00	Influence of an SN solver in a fine-mesh neutronics/thermal-hydraulics framework	Klas Jareteg	Division of Nuclear Engineering, Department of Applied Physics, Chalmers University of Technology	1104064
13:20	High-Fidelity Multi-Physics Calculations for Light Water Reactors Using Coupled CTF/TORT-TD/FRAPTRAN	Jeffrey William Magedanz	The Pennsylvania State University	1106221
13:40	THE COUPLING OF the NEUTRONIC TRANSPORT APPLICATION RATTLESNAKE TO THE NUCLEAR FUELS PERFORMANCE APPLICATION BISON LINDER THE MOOSE FRAMEWORK	Frederick N Gleicher	Idaho National Laboratory	1106401
14:00	A model of two-stage core calculation method coupled with subchannel analysis for boiling water reactors	Takeshi Mitsuyasu	Hitachi, Ltd.	1100830
14:20	SUBSPACE METHODS FOR MULTI-PHYSICS REDUCED ORDER MODELING IN NUCLEAR ENGINEERING APPLICATIONS	Bassam A. Khuwaileh	Department of Nuclear Engineering North Carolina State University, Raleigh, NC, USA	1126241
14:40	Extension of the Entropy Viscosity Method to Flows with Friction Forces and Source Terms	Jean C Ragusa	Texas A&M University	1106855
15:00	EFFICIENT FINITE ELEMENT FIELD INTERPOLATION FOR MULTIPHYSICS APPLICATIONS	Jean C Ragusa	Texas A&M University	1106423

11-1. Research Reactors and Spallation Sources (Cosmos)

Session Ci	Tall . Ronald J. Ellis(ORNL), Galilol Stephan(CEA)			
13:00	An updated core design for the multi-purpose irradiation facility MYRRHA	Gert Van den Eynde	SCK-CEN	1104788
13:20	FEASIBILITY STUDY OF INSTALLING A THERMAL TO 14 MeV	Luka Snoj	Jozef Stefan Institute	1102618
13:40	Development and Validation of a New APOLLO2-Based Calculation	Florent Chevallier	Alternative Energies and Atomic Energy	1106200
	Scheme Dedicated to Ex-Core Rod Irradiations in the OSIRIS MTR		Commission (CEA)	
	NEUTRONIC DESIGNS AND ANALYSES OF A NEW CORE-			
14:00	MODERATOR ASSEMBLY AND NEUTRON BEAM PORTS FOR THE	Dundar Ucar	The Pennsylvania State University	1084741
	PENN STATE BREAZEALE REACTOR			
1/1.20	Design Studies for a Multiple Application Thermal Reactor for Irradiation	Michael A Pone	Idaho National Laboratory	1085708
14.20	experiments (MATRIX)	Wiender AT ope	Idano National Laboratory	1003700

14:40	SIMULATED IRRADIATION OF SAMPLES IN HFIR FOR USE AS POSSIBLE TEST MATERIALS IN THE MPEX (MATERIAL PLASMA EXPOSURE EXPERIMENT) FACILITY	Ronald J. Ellis	Oak Ridge National Laboratory	1178823
15:00	MCNPX ANALYSIS OF DELAYED NEUTRON FRACTION IN	SILVA KALCHEVA		1077740
	BERYLLIUM REFLECTED CORES	SILVA KALCHEVA	SON-OEN	10///40

September 29 (Mon.) 15:45-18:15

1-2. Reactor Analysis Method (Mizuho_A)

Session Ch	nair : Richard Sanchez(CEA), Hideki Matsumoto(MHI)			
15:45	APPLICATION OF THE EFFICIENT CONSISTENT SPATIAL HOMOG- ENIZATION METHOD IN NEUTRON TRANSPORT THEORY TO A GAS COOLED THERMAL REACTOR PROBLEM	#REF!	Georgia Institute of Technology	1106236
16:05	APPLICATION OF THE HYBRID DIFFUSION-TRANSPORT SPATIAL HOMOGENIZATION METHOD TO A HIGH TEMPERATURE TEST REACTOR BENCHMARK PROBLEM	Gabriel Kooreman	Georgia Institute of Technology	1106275
16:25	NORMALIZATION METHODS FOR DIFFUSION CALCULATIONS WITH VARIOUS ASSEMBLY HOMOGENIZATIONS	Coline Brosselard	EDF R&D/SINETICS	1094770
16:45	ON THE PRACTICAL FEASIBILITY OF CONTINUOUS-ENERGY MONTE CARLO IN SPATIAL HOMOGENIZATION	Jaakko Leppanen	VTT Technical Research Centre of Finland	1103983
17:05	A Dynamic Homogenization Model for Pebble Bed Reactors	Maurice Grimod	CEA de Saclay	1105216
17:25	HOMOGENIZATION OF THE STEP CHARACTERISTIC SCHEME IN PHASE SPACE	Dmitriy Anistratov	North Carolina State University	1126229
17:45	Spatial Rehomogenization of Cross Sections and Discontinuity Factors for Nodal Calculations	Aldo Dall'Osso	AREVA NP	1086844

SS2-2. Reactor Physics and Criticality Safety Activities in OECD/NEA Working Party (Mizuho_B)

Session Chair : Mark DeHart(INL), Teruhiko Kugo(JAEA)

15:45	EVALUATION OF LARGE 3600MWth SODIUM-COOLED FAST REACTOR OECD NEUTRONIC BENCHMARKS	#REF!	CEA	1103961
16:05	Evaluation of Medium 1000 MWth Sodium-cooled Fast Reactor OECD neutronic Benchmarks	Nicolas Emile Stauff	Argonne National Laboratory	1104111
16:25	SFR WHOLE CORE BURNUP CALCULATIONS WITH TRIPOLI-4 MONTE CARLO CODE	Yi-Kang Lee	CEA-Saclay	1106242
16:45	SUMMARY AND STATUS OF OECD/NEA UAM-LWR BENCHMARK	Maria Nikolova Avramova	The Pennsylvana State University	1104813
17:05	UNCERTAINTY AND SENSITIVITY ANALYSIS OF OECD/NEA UAM FUEL THERMAL BEHAVIOUR BENCHMARK USING A FALCON/URANIE METHODOLOGY	Younsuk Yun	Paul Scherrer Institut	1105847
17:25	New PSI methodology for manufacturing and technological uncertainty quantification	Marco Pecchia	Paul Scherrer Institut (PSI)	1105694
17:45	RE-EVALUATION AND CONTINUED DEVELOPMENT OF SHIELDING BENCHMARK DATABASE SINBAD	Ivan Alexander Kodeli	Jozef Stefan Institute	1106058

SS1-2. Molten Salt Reactors (Hiei)

Session Chair : Imre Pazsit(Chalmers Univ. of Tech.), Ritsuo Yoshioka(International Thorium Molten-Salt Forum)

15:45	HYBRID SPECTRUM MOLTEN SALT REACTOR	Jiri Krepel	PSI Switzerland	1102672
16:05	Thorium Conversion Optimization in Two-Fluid Molten-Salt Reactor	Jan Frybort	UJV Rez / Czech Technical University in Praque	1105569
16:25	Development of Computer Code Systems for Molten Salt Reactor Core Analysis	Yongjin Jeong	Ulsan National Institute of Science and Technology	1106010
16:45	Use of MCDancoff Factor Correction for Multi-group Fuel Depletion Analyses of Liquid Salt Cooled Reacotors	Michael Huang	Georgia Institute of Technology	1106115
17:05	COMPARATIVE STUDIES ON PLUTONIUM AND 233U UTILIZATION	Abdul Waris	Bandung Institute of Technology	1108342
17:25	ON AN OPTIMIZED NEUTRON SHIELDING FOR AN ADVANCED MOLTEN SALT FAST REACTOR DESIGN	Bruno Merk	Helmholtz-Zentrum Dresden-Rossendorf e.V.	1105793

SS7. Control Rod Withdrawal Tests Performed During the PHENIX End-of-Life Experiments (Atago)

Session Chair : Stefano Monti(IAEA), Shigeo Ohki(JAEA) CEA CONTRIBUTION TO THE ANALYSIS OF THE CONTROL ROD 15:45 WITHDRAWAL TEST PERFORMED DURING PHENIX END-OF-LIFE Vincent PASCAL CEA, DEN, DER, SPRC/LEDC 1096440 EXPERIMENTS (IAFA Common Research Program) IAEA Benchmark Calculations on Control Rod Withdrawal Test 16:05 Kazuya Takano Japan Atomic Energy Agency 1090681 Performed During PHENIX End-of-Life Experiments - JAEA's Calculation BENCHMARK ANALYSIS OF PHENIX CONTROL ROD WITHDRAWAL 1102267 16:25 Devan Kunhiraman Indira Gandhi Centre for Atomic Research END-OF-LIFE EXPERIMENTS CALCULATION OF THE PHENIX END-OF-LIFE TEST "CONTROL Institut de Radioprotection et Surete 1104099 16:45 Evgeny Ivanov ROD WITHDRAWAL" WITH THE ERANOS CODE Simulation of PHENIX Control Rod Withdrawal Experiments with 17:05 1104108 Vladimir Kriventsev Karlsruhe Institute of Technology (KIT) STUDY OF THE EFFECT OF HETEROGENEITY OF THE CONTROL Karlsruhe Institute of Technology (KIT), 17:25 FABRIZIO GABRIELLI 1106079 RODS IN THE PHENIX REACTOR nstitute for Nuclear and Energy IAEA BENCHMARK CALCULATIONS ON CONTROL ROD 17:45 Vincent PASCAL CEA, DEN, DER, SPRC/LEDC 1096461 WITHDRAWAL TEST PERFORMED DURING PHENIX END-OF-LIFE XPERIMENTS - RENCHMARK RESULTS AND COMPARISON

11-2. Research Reactors and Spallation Sources (Cosmos)

Session Cl	nair : Gert Van den Eynde(SCK/CEN), Cheolho Pyeon(KURRI)			
15:45	A method for reactivity monitoring in subcritical source-driven systems	Sandra Dulla	POLITECNICO DI TORINO	1076430
16:05	INTEPRETATION OF EXPERIMENTAL MEASUREMENTS ON THE	Sandra Dulla	Politecnico di Torino	1107269
	SC-1 CONFIGURATION OF THE VENUS-F CORE			
16:25	Neutronic Characteristics of Solid Targets in Accelerator-Driven System	Cheolho Pyeon	Kyoto University	1111120
	at Kvoto University Critical Assembly			
16:45	EVALUATION OF NEUTRON SPECTRUM AT IN-CORE IRRADIA-	Todofumi Sono	Kyota University Research Reactor Institute	1126220
	TION EQUIPMENTS IN KUR WITH LOW ENRICHED URANIUM FUEL	Tadaldilli Salio	Ryoto Oniversity Research Reactor Institute	

17:05	ACCULACY OF THORIUM-LOADED ACCELERATOR-DRIVEN SYSTEM EXPRIMENTS AT KYOTO UNIVERSITY CRITICAL ASSEMBLY	Masao Yamanaka	Graduate school of Energy Science, Kyoto University	1090583
17:25	SHUTDOWN TRANSIENTS ANALYSIS FOR REFLECTOR DEVICES POWER CALCULATIONS IN JULES HOROWITZ MATERIAL TESTING REACTOR (JHR)	Patrizio Console Camprini	ENEA	1104755
17:45	Neutronic Analysis of the PULSTAR Reactor Using Monte Carlo Simulations	Ayman I. Hawari	North Carolina State University	1127882

September 30 (Tue.) 8:00-10:05

1-3. Reactor Analysis Method (Mizuho_A) Session Chair : Han Gyu Joo(SNU), Wei Shen(CCSN)

8:00	Research Reactor In-Core Fuel Management Optimisation Using The Multiobiective Cross-Entropy Method	Evert B. Schlunz	South African Nuclear Energy Corporation SOC Ltd (Necsa)	1101850
8:20	Transient Cycle Fuel Management Optimization of a Pressurized Water Reactor	tongkyu park	FNC Technology Co., Ltd.	1105495
8:40	A MULTI-LEVEL PARALLEL COMPUTATION OF REACTOR CORES	Takuya Okubo	Nagoya University	1101184
9:00	Exact-to-Precision Generalized Perturbation Theory for Reactor Design Caculations	Congjian Wang	North Carolina State University	1127680
9:20	Depletion GPT-Free Sensitivity Analysis of the TMI Reactor Eigenvalue Model	Christopher Brandon Kennedy	North Carolina State University	1106622
9:40	The "Virtual Density" Theory of Neutronics: A Generic Method for Geometry Distortion Reactivity Coefficients	Mark Reed	TerraPower	1106665

5-1. Nuclear Criticality Safety (Mizuho_B)

Session Ch	nair : John Bess(INL), Toshihiro Yamamoto(KURRI)			
Session Cha 8:00 F 8:20 F 8:40 F 9:00 F 9:20 F	NUCLEAR CRITICALITY SAFETY IN THE UNITED STATES: RECENT	Matthew S Hodges	University of Nevada Las Vegas (UNLV)	1105240
0.00	EVENTS. TRENDS AND A REVIEW OF THE SAFETY CULTURE	Matthew of Hodges	Onversity of Nevada, Las Vegas (ONLV)	1100240
8.20	A NEW OECD/NEA DATABASE OF NUCLIDE COMPOSITIONS OF	Franco Michel-Sendis	OECD Nuclear Energy Agency	1123747
0.20	SPENT NUCLEAR FUEL			
8:40	OECD EGBUC Benchmark VIII ? Comparison of calculation codes and	Pierre LECONTE	CEA Cadarache	1104030
0.10	methods for the analysis of small-sample reactivity experiments			
9.00	Criticality Calculation of Fuel Debris in Fukushima Daiichi Nuclear Power	Akiyuki Tsuchiya	Hitachi-GE Nuclear Energy 1 td	1107488
0.00	Station		That in the Hadical Energy, Eta.	
9:20	Design of an efficient calculation model of BWR cold critical experiments	Anssu Ranta-aho	Teollisuuden Voima Ovi	1106047
0.20	for validation			
9.40	FIRST BURNUP CREDIT APPLICATION FOR TRANSPORT AND	Marcel TARDY	AREVA	1106235
0.40	STORAGE CASK USING FRENCH EXPERIMENTS			1100200

2-1. Deterministic Transport Theory (Hiei)

Session Ch	nair : Nam Zin Cho(KAIST), Masato Tabuchi(NEL)			
8.00	A Collision Probability Based Method to Compute Cross Sections	Maxime Dion	Ecolo Bolytochnique de Montreal	1080046
0.00	Sensitivities for the Subaroup Self-Shieldina Techniaue			1000040
8.20	Improvement of a convergence technique for MOC calculation with large	Masato Tabuchi	Nuclear Engineering, Ltd.	1105664
8:40	negative self-scattering cross section			1103004
8:40	Boundary Acceleration Techniques for CMFD-Accelerated 2D-MOC	Shane Gray Stimpson	University of Michigan	1105191
9:00 A	A Low Order Nonlinear Transport Acceleration Scheme for the Method of	ulu Li	Massachusetts Institute of Technology	1105319
	Characteristics			
0.20	p-CMFD ACCELERATION AND NONOVERLAPPING LOCAL/GLOBAL	Seunasu Yuk	Korea Advanced Institute of Science and	1126/28
5.20	ITERATIVE TRANSPORT METHODS WITH 2-D/1-D FUSION KERNEL	Sealigsa Tak	Technoloav	1120420
9.40	APPLICATION OF THE SDD-CMFD ACCELERATION TECHNIQUE TO	Brendan M. Kochunas	Liniversity of Michigan	1104795
0.40	PARALLEL 3-D METHOD OF CHARACTERISTICS TRANSPORT		oniversity of Michigan	110-11 00

3-1. Monte Carlo Methods (Atago)

Session Cl	hair : Jaakko Leppänen(VTT), Takanori Kitada(Osaka Univ.)			
8.00	UNSTRUCTURED MESH BASED MULTI-PHYSICS INTERFACE FOR	Jaakko Leppanen	VTT Technical Research Centre of Finland	1103981
Session Chair : Jaakko Leppanen(VTT), Takanon Kitada(Usaka Univ.) 8:00 UNSTRUCTURED MESH BASED MULTI-PHYSICS INTERFACE FOR CFD CODE COUPLING IN THE SERPENT 2 MONTE CARLO CODE Jaakko Lep 8:20 ANALYZING THE STATISTICS OF GROUP CONSTANTS GENERATED BY SERPENT 2 MONTE CARLO CODE Toni Kaltiais 8:40 Theoretical Prediction on Underestimation of Statistical Uncertainty for Fission Rate Tally in Monte Carlo Calculation Tomohiro E 9:00 ANALYSIS OF TALLY CORRELATION IN LARGE LIGHT WATER REACTORS Bryan R. He 9:20 Higher-Mode Applications of Fission Matrix Capability for MCNP Sean E Carr 9:40 A Symmetric View Hiding the Ugly Truth Dennis Mer				
8.20	ANALYZING THE STATISTICS OF GROUP CONSTANTS	Toni Kaltiaisenaho V ty for Tomohiro Endo N	VTT Technical Research Centre of Finland	1106126
0.20	GENERATED BY SERPENT 2 MONTE CARLO CODE			1100120
8:40	Theoretical Prediction on Underestimation of Statistical Uncertainty for	Tomohiro Endo	Nagova University	1126624
	Fission Rate Tally in Monte Carlo Calculation		VTT Technical Research Centre of Finland VTT Technical Research Centre of Finland Nagoya University Massachusetts Institute of Technology University of Michigan E Mennerdahl Systems	
9.00	ANALYSIS OF TALLY CORRELATION IN LARGE LIGHT WATER	Brvan R. Herman	Massachusetts Institute of Technology	1094801
0.00	REACTORS	bryan K. Heiman	massachasette mettate of reemology	100-1001
9:20	Higher-Mode Applications of Fission Matrix Capability for MCNP	Sean E Carney	University of Michigan	1105312
9:40	A Symmetric View Hiding the Ugly Truth	Dennis Mennerdahl	E Mennerdahl Systems	1106471

SS8. Reactor Physics of Non-Traditional LWR Fuel Design (Cosmos)

Session Cr	nair : Bojan Petrovic(Georgia Tecn.), Yoichiro Shimazu(Fukui Univ.)			
8:00	I2S-LWR EQUILIBRIUM CYCLE CORE ANALYSIS	Fausto Franceschini	westinghouse	1126928
8:20	Uranium nitride composite fuels in a pressurized water reactor: exploration of multi-batch cycle length and UB4 admixture for reactivity control	Nicholas R Brown	Brookhaven National Laboratory	1104783
8:40	Impact of Coating on Nitride Fuel Performance in PWRs	Florent Heidet	Argonne National Laboratory	1128293
9:00	OPTIMIZATION OF FULLY CERAMIC MICRO-ENCAPSULATED FUEL	Massimiliano Fratoni	University of California, Berkeley	1105391
9:20	Fully Ceramic Microencapsulated Fuels: Characteristics and Potential LWR Applications	Jeffrey J Powers	Oak Ridge National Laboratory	1127750
9:40	NEUTRONIC CHALLENGES OF ADVANCED BOILING WATER REACTOR DESIGNS	Koroush Shirvan	МІТ	1126323

September 30 (Tue.) 10:20-12:00

1-4. Reactor Analysis Method (Mizuho_A)

Session Chair : Jess Gehin(ORNL), Scott Palmtag(Core Physics Inc.)

10:20	Watts Bar Unit 1 Cycle 1 Zero Power Physics Tests Analysis with VERA- CS	Jess C. Gehin	Oak Ridge National Laboratory	1127867
10:40	AP1000R PWR REACTOR PHYSICS ANALYSIS WITH VERA-CS AND KENO - PART I: ZERO POWER PHYSICS TESTS	Fausto Franceschini	westinghouse	1126938
11:00	AP1000 PWR REACTOR PHYSICS ANALYSIS WITH VERA-CS AND	fausto franceschini	westinghouse	1126207
11.20	KENO - PART II: POWER DISTRIBUTION SOLUTION OF THE BEAVRS BENCHMARK USING THE nTRACER	Min Duu		1104540
11.20	11:20 DIRECT WHOLE CORE TRANSPORT CODE	NIIII Ryu	Seoul National Oniversity	1104049
11.40	CALCULATION OF THE PRESSURE VESSEL FLUENCE IN THE	Gyoray Heavi	Magyar Tudomanyos Akademia	1084093
	HUNGARIAN VVER-440 PLANTS FOR THE LIFETIME EXTENSION	0,0.9,	Energiatudomanvi Kutatokozpont	

5-2. Nuclear Criticality Safety (Mizuho_B)

Session Cl	hair : Bo Feng(ANL), Tomohiro Endo(Nagoya Univ.)			
10:20	UNCERTAINTY EVALUATION OF REACTIVITY IN SINGLE AND MULTI-REGION TSUNAMI MODELING ANALYSIS FOR DRY CASK STORAGE	Quentin T Newell	University of Nevada, Las Vegas (UNLV)	1087608
10:40	Transient Analysis in Super Critical Condition for Several Fuel-solution Tanks System with Different Lavout	Haruka Kikuchi	Department of Nuclear Engineering, Tokyo Institute of Technology	1119923
11:00	Comparison of Gamma Dose Rate Calculations for PWR Spent Fuel Assemblies	Bo Feng	Argonne National Laboratory	1106285
11:20	SPENT FUEL CANISTER CRITICALITY CALCULATION IN GROUNDWATER PENETRATION ACCIDENT	si yuan wu	East China Institute of Technology, Ministry of Education	1092274
11:40	FAVORABLE FEATURES IN KINETICS OF FAST REACTORS WITH PHYSICALLY THICK 208Pb-REFLECTOR	Gennady Genrikhovich Kulikov	National Research Nuclear University Moscow Engineering Physics Institute	1092833

2-2. Deterministic Transport Theory (Hiei)

Session Chair : Farzad Rahanema(Georgia Tech. Univ.), Wu Hongchun(Xi'an Jiaotong univ.)

10:20	Iterative Properties of the Integral Transport Matrix Method for the DD	Dmitriy Anistratov	North Carolina State University	1106264
	Scheme in 2D Cartesian Geometry	-	,	
10.40	Neutron Leakage Treatment in Reactor Physics: Consequences on SFR	Gerald Rimpault	CEA	1104627
	Characteristics Prediction			
11:00	REVISIT BOUNDARY CONDITIONS FOR THE SELF-ADJOINT	Yagi Wang	Idaho National Laboratory	1102705
	ANGULAR FLUX FORMULATION		radiio Hallonal Eaboratory	
11:20	Accuracy Preserving Surrogate for Neutron Transport Caculations	Congjian Wang	North Carolina State University	1127699

13. Radiation Applications and Nuclear Safeguards (Atago)

Session	Chair ·	Alexis C.	Kanlan	(Michinan	(Iniv)	Vasunori	Kitamura(.IAFA)
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10:20	DESIGN OF LONG NEUTRON COUNTER FOR INTENSIFIED D-T NEUTRON SOURCE	Yanan Li	Institute of Nuclear Energy Safety Technology, CAS · FDS Team	1126839
10:40	Utilizing Simulated Rossi-Alpha Distributions to Develop New Methods of Characterizing Spent Nuclear Fuel	Alexis C Kaplan	LANL / University of Michigan	1104803
11:00	ANTINEUTRINO EMISSION FROM FUELS WITH HIGH	Tomooki SHIBA	SUBATECH Laboratory	1123449
11:20	Validation of the Implicit Correlation Method in MCPNX-PoliMi using Plutonium Cross-Correlation Measurements	Matthew James Marcath	University of Michigan, Ann Arbor	1105483
11:40	A UNIQUE TUNGSTEN-BASED TAGGING APPROACH FOR MAINTAINING OF CONTINUITY OF KNOWLEDGE OF NUCLEAR	Dina Chernikova	Chalmers University of Technology	1127570

9-1. Transient and Safety Analysis (Cosmos)

Session Chair : Kostadin Ivanov(Pennsylvania Univ.), Yuichiro Ban(Toshiba)	
DEVELOPMENT OF NEUTRON KINETIC CODE FOR MOLTEN SALT	

10:20	DEVELOPMENT OF NEUTRON KINETIC CODE FOR MOLTEN SALT REACTOR	youqi zheng	Xi'an Jiaotong University	1084871
10:40	STUDY OF NEUTRON PROPAGATION IN MULTIGROUP TRANSPORT BY SPACE ASYMPTOTIC METHODS	Julio C.L. Fernandes	Politecnico di Torino	1102531
11:00	Sensitivity Analysis and Performance of the Adiabatic, Theta, and Multigrid Amplitude Function Kinetics Methods in 2D MOC Neutron Transport	Samuel Shaner	Massachusetts Institute of Technology	1105035
11:20	Computations of heterogeneous dilution transients using CFX and HEMERA V1	Ludovic Maas	IRSN	1094627
11:40	Prompt Behavior of Generalized-Eigenvalue Point Kinetics Models	Brian C Kiedrowski	Los Alamos National Laboratory	1107334

September 30 (Tue.) 13:30-15:40

1-5. Reactor Analysis Method (Mizuho_A)

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Session Chair : Myung	Hyun Kim(Kyun	g Hee University),	Masahiro Tatsumi(NEL)	

13:30	AUTOMATIC CONSTRUCTION OF A SIMPLIFIED BURN-UP CHAIN	Takanori Kajihara	Hokkaido University	1105724
	MODEL BY THE SINGULAR VALUE DECOMPOSITION			
13.50	Generation of simplified burnup chain using contribution matrix of nuclide	Pyota Katano	Nagova University	1101303
15.50	production		Nagoya Oniversity	1101303
14:10	IMPORTANT FISSION PRODUCT NUCLIDES IDENTIFICATION	Go CHIBA	Hokkaido university	1068216
	METHOD FOR SIMPLIFIED BURNUP CHAIN CONSTRUCTION			1000210
14:30	Application of Backtracking Algorithm to Depletion Calculations	Mingyu Wu	Wu Mingyu	1065760
14.50	Modeling the Cross Section of Gadolinia Pins in the Depletion for Pin-by-	Vasubiro, Kodama	Nuclear Fuel Industries, 1td	1105480
14.50	Pin Core Calculations		Nuclear r der mudstnes, Etd.	1103400
	THE OPTIMIZED ALGORITHM FOR THE MICROSCOPIC DEPLETION			
15:10	MODEL IN THE COCAGNE CORE CODE A 2-LEVEL CORE	Matthieu Raju Guillo	EDF R&D	1127599

4-1. Verification, Validation and Uncertainty Analysis (Mizuho_B)

Session Chair : Hany Abdel-Khalik(NSCU), Kenji Yokoyama(JAEA) Validation and benchmarking of calculation methods for photon and WTI Wissenschaftlich-Technische 13:30 Luc Schlomer 1086809 neutron transport at cask configurations ngenieurberatung GmbH RECENT ADVANCES IN THE V&V OF THE NEW FRENCH CEA CEA 13:50 Jean-Marc Palau 1086829 APOLLO3R NEUTRON TRANSPORT CODE : BENCHMARKS ANALYSIS OF THE FLUX SOLVERS DECART CODE VERIFICATIONS BY NUMERICAL BENCHMARK 1101312 14:10 Chag Joon Jeong Korea Atomic Energy Research Institute CALCULATIONS OF HTTR

14:30	DEVELOPMENT AND VERIFICATION OF THREE-DIMENSIONAL HEX-Z BURNUP SENSITIVITY SOLVER BASED ON GENERALIZED PERTURBATION THEORY	Kenji Yokoyama	Japan Atomic Energy Agency	1106037
14:50	Validation of HELIOS for ATR Core Follow Analyses	Samuel E Bays	Idaho National Laboratory	1081829
15:10	PERSENT: NEED OF A DETERMINISTIC CODE FOR SENSITIVITY		Argonno National Laboratory	1100850
	ANALYSIS IN 3D GEOMETRY AND TRANSPORT THEORY	GENANDO ALIBENTI	Algorine National Laboratory	1100030

2-3. Deterministic Transport Theory (Hiei)

Session Cl	hair : Yousry Azmy(North Carolina State Univ.), Kazuya Yamaji(MHI)			
13:30	Axial Transport Solvers for the 2D/1D Scheme in MPACT	Shane Gray Stimpson	University of Michigan	1105193
13.50	Development of Legendre Expansion of Angular Flux Method for 3D	Yuki KATO	Nadova I Iniversity	1106157
13.30	MOC Calculation		Nagoya Oniversity	1100137
14:10	BENCHMARK ON DETERMINISTIC TIME-DEPENDENT TRANSPORT	Victor F. Boyarinov NRC Kurchatov Institute	NRC Kurchatov Institute	1102516
	CALCULATIONS WITHOUT SPATIAL HOMOGENISATION			1102010
14:30	Coarse-grained parallelism for full-core transport calculations	Roland Lenain	CEA France	1127828
	PARALLEL PERFORMANCE RESULTS FOR THE OPENMOC			
14:50	METHOD OF CHARACTERISTICS CODE ON MULTI-CORE	William Boyd	MIT	1104798
	PLATFORMS			
15.10	MAKING MORE PRECISE THE SURFACE PSEUDOSOURCES	Nikolay V. Sultanov	NRC "Kurchatov institute"	1103956
15.10	METHOD FOR RBMK CLUSTER CELLS			

3-2. Monte Carlo Methods (Atago)

Session Ch	hair : Kan Wang(Tsinghua Univ.), Yasushi Nauchi(CRIEPI)			
13:30	A MONTE CARLO METHOD FOR PROMPT AND DELAYED ALPHA	Andrea Zoia	CEA/Saclav	1099127
	EIGENVALUE CALCULATIONS		· · · · · · · · · · · · · · · · · · ·	
	GEOMETRY NAVIGATION ACCELERATION BASED ON AUTOMATIC		Institute of Nuclear Energy Safety	
13:50	NEIGHBOR SEARCH AND ORIENTED BOUNDING BOX IN MONTE	Zhenping Chen	Technology CAS · FDS Team	1104233
	CARLO SIMULATION		reenhology, enter in De realit	
14:10	Continuous-Energy Monte Carlo Methods for Calculating Generalized	Christopher Michael Perfetti	Oak Ridge National Laboratory	1127880
	Response Sensitivities using TSUNAMI-3D			
14:30	Enhancements in Continuous-Energy Monte Carlo Capabilities in SCALE 6.2	Bradley Thomas Rearden	Oak Ridge National Laboratory	1142583
14.50	Leakage-corrected fast reactor assembly calculation with Monte-Carlo	li cai		1102576
14.50	code TRIPOLI4 and its validation methodology		CEA,DEN, DEN/SFRC	1102370
15.10	Impact of Nearest Neighbor Distribution of Fuel Particle on Neutronics	Takahiro Koide	Nagova I Iniversity	1101205
	Characteristics in Statistical Geometry Model		rugoya oniversity	

12-1. Fuel Cycle and Actinide Management (Cosmos)

Session Ci	hair : Nicolas Brown (BNL), Naoyuki Takaki(Tokyo City Univ.)			
13:30	SIMULATION OF FUEL CYCLES WITH MINOR ACTINIDE	Mate Szieberth	Budapest University of Technology and	1127550
	MANAGEMENT USING A FAST BURNUP CALCULATION TOOL		Economics. Institute of Nuclear Techniques	
13:50	Variations in activity, toxicity and decay heat of nuclear waste of various	Nicolas Emile Stauff	Argonne National Laboratory	1104106
	fuel cvcles			
14:10	EFFECT OF HETEROGENEITY IN PLUTONIUM RECYCLING IN	Marc Ernoult	Institut de Physique Nucleaire	1105805
	STEADY STATE PWR	indro Ernoar	montat de l'hybique Hubiculie	
14.30	EVALUATION METHOD OF EQUIVALENCE FACTORS FOR MOX	Mikia TOKASHIKI	Nuclear Fuel Industries, Ltd	1105074
14.50	FUEL AND NON-LINEAR "Equivalent Pu-239" FORMULA		Nuclear Fuer mulatrica, Etc.	1103374
14.50	Development of a Evel Performance Code for Therium Plutanium Evel	Klara Lippoa Insulandor Biork	Thor Energy and Chalmers University of	1127573
14.50	Development of a Fuel Ferrormance Code for Thondin-Flutonium Fuel	Riara Linnea Insulander Djork	Technology	112/5/3
15:10	Two-Stage Fuel Cycles with Accelerator-Driven Systems	Florent Heidet	Argonne National Laboratory	1106238

September 30 (Tue.) 15:55-18:05

1-6. Reactor Analysis Method (Mizuho_A)

Session Ch	Session Chair : Mohamed Elsawi (Khalifa University) , Yunzhao Li(Xi'an Jiaotong University)				
15:55	MODELLING OF SHUTDOWN COOLING REACTIVITY EFFECTS	Tamer Bahadir	Studsvik Scandpower, Inc.	1106193	
16:15	3-D Sn TRANSPORT CODE	Nathan John Roskoff	Virginia Tech	1106648	
16:35	TRANSPORT CORE SOLVER VALIDATION FOR THE ASTRID CONCEPTUAL DESIGN STUDY WITH APOLLO3R	Jean-Francois Vidal	CEA Cadarache	1101764	
16:55	METHODOLOGY ASSESSMENT FOR THE EVALUATION OF THE COOLANT VOID WORTH IN SODIUM FAST REACTORS WITH A LOW VOID FEFECT CORE DESIGN	SARA BORTOT	Paul Scherrer Institut (PSI)	1099616	
17:15	Results of verification of computer codes used for analysis of BN-1200 reactor core neutronics	Elena Marova	ОКВМ	1104321	
17:35	APOLLO3R based method for 3D warped cores calculations ; Application to flowering tests of Phenix	Cyril Patricot	CEA	1106232	

4-2. Verification, Validation and Uncertainty Analysis (Mizuho_B)

Session Cr	Tall : Dassani Khuwallen(NCSO), Kensuke Kojima(JAEA)			
15:55	BENCHMARK CALCULATION WITH MOSRA-SRAC FOR BURNUP OF	Kensuke Kojima	Japan Atomic Energy Agency	1126354
16:15	VERIFICATION OF THE COCAGNE CORE CODE USING CLUSTER	Entrino Hooroou		1004607
10.15	DEPLETION CALCULATIONS			1094007
16:35	LWR Fuel Reactivity Depletion Verification Using 2D Full Core MOC and	Geoffrey A Gunow	Massachusetts Institute of Technology	1106258
	Flux Map Data			
16:55	CASMO-4E and CASMO-5 Analysis of the Isotopic Compositions of the	Peter Grimm	Paul Scherrer Institute (PSI)	1104066
	LWR-PROTEUS Phase II Burnt PWR UO2 Fuel Samples			
17:15	EXPERIMENTAL VALIDATION OF DECAY HEAT CALCULATIONS	Wim Haeck	IBSN	1102701
	WITH VESTA 2.1			
	DEVELOPMENT AND VALIDATION OF AD HOC ORIGEN-ARP		National Cooperative for the Disposal of	
17:35	LIBRARIES FOR VERY HIGH BURNUP UO2 PWR FUEL WITH	Stefano Caruso	Radioactive Waste (NAGRA)	1095732
1	SCALE/TRITON			1

2-4. Deterministic Transport Theory (Hiei)

Session Chair : Ricardo Barros(Univ. do Estado do Rio de Janeiro), Tesuo Matsumura(CRIEPI)				
15:55	Phase Space Bases for Response Matrix Methods	Jeremy A Roberts	Kansas State University	1107355

16:15	The Drift Diffusion Limit of Thermal Neutrons: Theoretical and Numerical Results	Pablo A Vaquer	Texas A&M University	1126267
16:35	Adequacies of Different Convergence Accuracy Measures in Full-Core Nodal Flux Computations	Rene van Geemert	AREVA GmbH	1137347
16:55	FLEXIBLE SEMI-ANALYTICAL CALCULATION METHOD OF ESCAPE	Tetsuo Matsumura	CRIEPI	1094291
17:15	CORRECTED DIAMOND DIFFERENCE METHOD FOR COUPLING FROM THE METHOD OF CHARACTERISTICS TO DISCRETE ORDINATES	Mitchell T.H. Young	University of Michigan	1106304
17:35	ENERGY MULTIGROUP SPECTRAL GREEN'S FUNCTION CONSTANT NODAL METHOD FOR FIXED-SOURCE Sn PROBLEMS IN X Y-GEOMETRY	Ricardo C. Barros	Universidade do Estado do Rio de Janeiro	1121396

3-3. Monte Carlo Methods (Atago)

Session Chair : Daniel J. Kelly(Knolls Atomic Power Laboratory), Zeguang Ll(Tsinghua University)

15:55	LARGE-SCALE MONTE CARLO CALCULATIONS WITH THERMAL-	Aleksandar Stoyanov Ivanov	Karlsruher Institut fur Technologie	1127876
16:15	SODIUM VOID REACTIVITY EFFECT ANALYSIS USING THE NEWLY DEVELOPED EXACT PERTURBATION THEORY IN MONTE-CARLO CODE TRIPOI I-4	Guillaume Truchet	CEA, DEN, DER/SPRC/LEPh, Cadarache	1104427
16:35	Monte Carlo Perturbation Analysis on Isothermal Temperature Reactivity Coefficient of Light-Water Moderated and Reflected Critical Assembly	Byoung Kyu Jeon	Seoul National University	1105946
16:55	Monte Carlo and Thermal-Hydraulic Coupling via PVMEXEC	Daniel F. Gill	Bechtel Marine Propulsion Corporation	1142507
17:15	Perturbation Based Monte Carlo Criticality Search in Density, Enrichment and Concentration	Zeguang LI	Tsinghua University	1104699
17:35	Monte Carlo Perturbation Method for Geometrical Uncertainty Analysis using McCARD	Ho Jin Park	Korea Atomic Energy Research Institute	1105031

12-2. Fuel Cycle and Actinide Management (Cosmos)

Session Cl	hair : Alberto Talamo(ANL), Kazutumi Tsujimoto(JAEA)			
15:55	Thorium-Fueled Breed-and-Burn Fuel Cycle	Florent Heidet	Argonne National Laboratory	1106234
16:15	Fuel Cycle Analysis of a Self-Sustaining Light Water Cooled Reactor with 232Th/233U Fuel and Impact of 233U (n,γ) Cross Section Evaluations	Nicholas R Brown	Brookhaven National Laboratory	1104784
16:35	PRODUCTION OF 232U FROM IRRADIATION OF STANDARD AND THORIUM-BASED FUELS IN PWR REACTORS	Baptiste Leniau	Subatech	1105816
16:55	FUEL CYCLE SCHEME DESIGN AND EVALUATION FOR THORIUM- URANIUM BREEDING RECYCLE IN CANDU REACTORS	Bo YANG	Shanghai Nuclear Engineering Research and Design Institute	1087546
17:15	An Inventory Analysis of Thermal-Spectrum Thorium-Fueled Molten Salt Reactor Concepts	Jeffrey J. Powers	Oak Ridge National Laboratory	1126252
17:35	Agent-Based Dynamic Resource Exchange in Cyclus	Matthew J. Gidden	UW - Madison	1104469

October 1 (Wed.) 8:00-10:05

1-7. Reactor Analysis Method (Mizuho_A)

Session Chair : Eleodor Nichita(University of Ontario Institute of Technology), Chang Joon Jeong(KAERI)

8:00	High order source approximaion for the EFEN method	Yunzhao Li	School of Nuclear Science and Technology, Xi'an Jiaotong University	1106187
8:20	EXTENSION OF LINEAR SOURCE MOC METHODOLOGY TO ANISOTROPIC SCATTERING IN CASM05	Rodolfo M. Ferrer	Studsvik Scandpower, Inc.	1099700
8:40	FINITE DIFFERENCE EQUATIONS FOR NEUTRON FLUX AND IMPORTANCE DISTRIBUTION IN A HETEROGENEOUS REACTOR WITHOUT HOMOGENIZATION AND DIFFUSION APPROXIMATION	Aleksandr V Elshin	Alexandrov Research Institute of Techology, Rosatom	1104610
9:00	EFFICIENT SUBSPACE CONSTRUCTION FOR REDUCED ORDER MODELING IN REACTOR ANALYSIS	Bassam A. Khuwaileh	Department of Nuclear Engineering North Carolina State University, Raleigh, NC, USA	1126237
9:20	Variational Acceleration of Fission Source Iteration for Subcritical Source-Driven Systems	Bilge Ozgener	Istanbul Technical University	1124804
9:40	An Incident Flux Coupling Calculation Study for Nodal Method and Monte Carlo Method	Xinzhe Wang	China Institute of Atomic Energy	1104763

4-3. Verification, Validation and Uncertainty Analysis (Mizuho_B)

Session Cr.	iession Chair : Nuria Garcia Herranz(Univ. Politecnica de Madrid), Go Chiba(Hokkaido Univ.)			
8:00	Confidence interval estimation by bootstrap method for uncertainty	Tomohiro Endo	Nagova University	1084668
	quantification using random sampling method			
8.20	Uncertainty quantification of neutronics characteristics using Latin	Kuniharu Kinoshita	Nagova University	1101192
0.20	Hypercube Samplig method			1101102
8:40	Uncertainty Quantification of BWR Core Characteristics using Latin	Akio Yamamoto	Nagoya University	1090063
	Hypercube Sampling Method			
9.00	Applicability of the cross section adjustment method based on random	Tomoaki Watanabe	Nagoya University	1098930
0.00	sampling technique for burnup calculation	Fornouri, Fraidridoo		
9.20	NUSS-RF: Stochastic Sampling-Based Tool for Nuclear Data Sensitivity	Ting Zhu	Paul Scherrer Institut	1102712
0.20	and Uncertainty Quantification			
9.40	MOCABA: A General Monte Carlo-Bayes Procedure for Improved	Axel Hoefer	AREVA GmbH Offenbach, Germany	1104105
0.10	Predictions of Integral Functions of Nuclear Data		Arte Vit Gilbir Olicibadii, Ceimany	110-7100

SS3. Hybrid Particle Transport Methods for Solving Complex Problems in Real-Time (Hiei) Session Chair : Alireza Haghighat(Virginia Tech Univ.), Kazuya Yamaji(MHI)

8:00	DISCRETIZED MESH TOOLS AND RELATED TREATMENT FOR HYBRID TRANSPORT APPLICATION WITH 3D DISCRETE ORDINATES AND MONTE CARLO	Kevin L Manalo	Georgia Institute of Technology	1106684
8:20	A NOVEL HYBRID WEIGHTING SCHEME FOR MULTI-GROUP CROSS SECTION COLLAPSING	Ce Yi	Georgia Institute of Technology	1106722
8:40	Development of An Iterative Lattice-Core Coupling Method Based on MICROX-2 Cross Section Libraries	Jason Hou	The Pennsylvania State University	1104276

9:00	SOLUTION OF A STYLIZED EUROPEAN PRESSURIZED REACTOR (EPR) BENCHMARK PROBLEM USING THE COARSE MESH RADIA- TION TRANSPORT METHOD (COMET)	Daniel Lago	Georgia Institute of Technology	1106263
9:20	COMPUTATIONAL EFFICIENCY AND ACCURACY OF THE FISSION COLLISION SEPARATION METHOD IN 3D HTTR BENCHMARK PROBLEMS	Dingkang Zhang	Georgia Institute of Technology	1106314
9:40	Use of the Fission Matrix Method for Solution of the Eigenvalue Problem in a Spent Fuel Pool	William J Walters	Virginia Tech	1107387

3-4. Monte Carlo Methods (Atago)

Session Cl	hair : Ho Jin Park(KAERI), Toshihiro Yamamoto(KURRI)			
8:00	XSBENCH - THE DEVELOPMENT AND VERIFICATION OF A PERFORMANCE ABSTRACTION FOR MONTE CARLO REACTOR	John Robert Tramm	Argonne National Laboratory	1106774
8:20	Development of Neutron Current Connection Method for Whole Core Analysis Based on Monte Carlo Method	Naoyuki Nakadozono	Hitachi Research Laboratory, Hitachi, Ltd.	1126312
8:40	Analysis of Select BEAVRS PWR Benchmark Cycle 1 Results Using MC21 and OpenMC	Daniel J. Kelly	Bechtel Marine Propulsion Corporation	1138691
9:00	Monte Carlo Neutronics Analysis of Sodium-cooled fast Reactor Benchmark with OTF Temperature and Burnup Treatment	Nicole Simone Guilliard	University Stuttgart - IKE	1127863
9:20	VERIFICATION OF COUPLED 3D FUEL CYCLE ANALYSIS WITH STABLE MONTE CARLO BASED CODE, BGCORE, AGAINST THE NODAL DIFFUSION DYN3D CODE	Dan Kotlyar	University of Cambridge	1126263
9:40	Domain Decomposition and Terabyte Tallies with the OpenMC Monte Carlo Neutron Transport Code	Nicholas E Horelik	Massachusetts Institute of Technology	1106210

9-2. Transient and Safety Analysis (Cosmos)

36331011 01	Tall . William Daeubler (KTT), Shigeaki Aoki(WiNT)			
8:00	RECRITICALITY RISK IN PWR SPENT FUEI POOLS	Guillaume Grandjean	Institut National des Sciences et Techniques NuclAlaires	1081521
8:20	DEMONSTRATION OF FULLY COUPLED SIMPLIFIED EXTENDED STATION BLACK-OUT ACCIDENT SIMULATION WITH RELAP-7	Haihua Zhao	Idaho National Laboratory	1100842
8:40	CODE SCALING APPLICABILITY TO A COLD LEG SBLOCA SCE- NARIO IN A NUCLEAR POWER PLANT	Andrea Querol	Universitat Politecnica de Valencia	1106251
9:00	TRANSIENT SIMULATION OF GAS BUBBLE IN A MEDIUM SIZED	Carl Fredrik Hellesen	Uppsala University	1106269
9:20	Power Ramp Transient in a Sodium-Cooled Fast Reactor used for Minor Actinides Transmutation	Sara Perez-Martin	Karlsruhe Institute of Technology	1127822
9:40	STEP TOWARDS INTEGRAL VALIDATION OF ENERGETIC RE- CRITICALITY PREDICTION FOR SODIUM COOLED FAST REACTOR	Tatiana Ivanova	Institut de Radioprotection et de Surete Nucleaire (IRSN)	1126197

October 1 (Wed.) 10:20-12:00

1-8. Reactor Analysis Method (Mizuho_A) Session Chair : Youqi Zheng(Xi'an Jiaotong University), Tatsuya Iwamoto(GNF-J)

10:20	Modernization Enhancements in SCALE 6.2	Bradley T. Rearden	Oak Ridge National Laboratory	1153741
10:40	SALOME-CORE platform: uses for EDF R&D neutronic studies	Hadrien Leroyer	EDF R&D	1086739
11.00	A STEADY-STATE CORE ANALYSIS CODE FOR THE MODELING OF	Shanachana Zhou	Xi'an liaotong University	1085680
11.00	ACCELERATOR-DRIVEN SUBCRITICAL REACTORS			1003000
11:20	Good Practice in Development of Advanced Assembly/Core Calculation	Masahiro Tatsumi	Nuclear Engineering Ltd	1105705
	Methods and Implementations of AEGIS/SCOPE2		Nuclear Engineering Etc.	1100100
11:40	VALIDATION OF LANCR01/AETNA01 BWR CODE PACKAGE		Core Design Group, Global Nuclear Fuel-	
	AGAINST FUBILA MOX EXPERIMENTS AND FUKUSHIMA DAIICHI	Tatsuya Iwamoto	Janan	1100982
	NUCLEAR POWER PLANT LINIT 3 MOX CORE		Japan	

4-4. Verification, Validation and Uncertainty Analysis (Mizuho_B)

Session Cl	hair : Oscar Cabellos(Univ. Politecnica de Madrid), Hiroki Iwamoto(JAEA)			
10:20	Pinpower Uncertainty Quantification of LWR-PROTEUS Phase III Experiments	Mathieu Hursin	Paul Scherrer Institut	1099077
10:40	QUANTIFICATION OF CODE, LIBRARY AND CROSS-SECTION			1100815
	UNCERTAINTY EFFECTS ON THE VOID REACTIVITY COEFFICIENT	Olivier Leray	Paul Scherrer Institut	
	OF A BWR LIO2 ASSEMBLY			
11.00	SENSITIVITY AND UNCERTAINTY ANALYSIS OF BURNUP	Hiroki Iwamoto	Japan Atomic Energy Agency	1104912
	REACTIVITY FOR AN ACCELERATOR-DRIVEN SYSTEM			
11:20	SENSITIVITY/UNCERTAINTY ANALYSIS FOR BWR	Nuria Garcia-Herranz	Liniversidad Poltecnica de Madrid	1106021
	CONFIGURATIONS OF EXERCISE I-2 OF UAM BENCHMARK			
11.40	IMPACT OF THE FISSION YIELD NUCLEAR DATA UNCERTAINTIES	Oscar Cabellos	Universidad Politecnica de Madrid	1105867
	IN THE PIN-CELL BURN-UP OECD/NEA UAM BENCHMARK			

8-1. Reactor Operation and Safety (Hiei)

Session Cl	hair : Gerald Rimpault(CEA), Hiroshi Akie(JAEA)			
10:20	Effects of cross sections libraries parameters on the OECD/NEA	Paolo Balestra	ENEA	1126007
	Oskarshamn-2 Benchmark solution	i dolo Balocita		
10:40	EVALUATION OF OPERATIONAL EXPERIENCES AND REACTOR	Yusuke Kuroda	TEPCO SYSTEMS CORPORATION	1086934
	PHYSICS TESTS OF MOX LOADED BWR CORES			
11.00	Coupling effects in large reactor cores: the impact of heavy and	Antonio Sargeni	IRSN	1099602
	conventional reflectors on power distribution perturbations			
11:20	IMPROVE THE ACCURACY OF THE POWER DISTRIBUTION			1093593
	RECONSTRUCTION USING POWER DISTRIBUTIONS OF	Kai FAN	Tsinghua University	
	DIFFERENT STATUS AS THE FUNDAMENTAL HARMONIC			

6-1. Reactor Physics Experiments (Atago)

Session (Chair : Patrick Blaise(CEA), Takuya Umano(Toshiba)			
10:20	Static Modal Analysis of the Current-to-Flux Subcriticality Monitor for Accelerator-Driven Systems	Wim Uyttenhove	SCK-CEN, Belgian Nuclear Research Centre	1104770

10:40	12 YEARS OF FRANCO-JAPANESE INTERNATIONAL PROGRAMS IN EOLE FOR THE VALIDATION OF 100%MOX RECYCLING IN LWRS	Patrick BLAISE	DEN,CAD, Department of Reactor Studies, Experimental Physics Section - SPEX / DEN,CAD, Department of Nuclear Technology - STEL	1104068
11:00	Application of the best representativity method to a future PWR fuel assembly calculation using four critical experiments of different facilities	Takuya UMANO	Toshiba Corporation Power Systems Company	1104323
11:20	CHARACTERIZATION OF IRRADIATION FIELDS IN THE EXPERIMENTAL FAST REACTOR JOYO FOR FUEL AND MATERIAL IRRADIATION	Shigetaka Maeda	Japan Atomic Energy Agency	1098227
11:40	Reaction Rate, Fission Product Yield, and Rossi-Alpha Measurements Using a HEU Metal. Copper Reflected Critical Assembly	Rene G. Sanchez	Los Alamos National Laboratory	1105192

9-3. Transient and Safety Analysis (Cosmos)

Session Cl	hair : Silva Kalcheva(SCK/CEN), Mikio Tokashiki(NFI)			
10:20	SIMMER-III MODELING OF GAS COOLED FAST REACTOR	Xue-Nong Chen	Karlsruhe Institute of Technology (KIT), Institute for Nuclear and Energy	1106163
10:40	VALIDATION OF THE SUBCHANNEL CODE CTF AGAINST THE BENCHMARK DATA OF THE OECD/NEA PSBT	Patricio Hidalga	Universitat Politecnica de Valencia	1106259
11:00	VALIDATION OF CASMO5 / SIMULATE-3K USING THE SPECIAL POWER EXCURSION TEST REACTOR III E-CORE: COLD START- UP, HOT START-UP, HOT STANDBY AND FULL POWER CONDITIONS	Gerardo M. Grandi	Studsvik Scandpower, Inc.	1099703
11:20	VALIDATION OF THE NODAL KINETICS CODE SYSTEM GALAXY/COSMO-K USING THE SPERT-III E-CORE EXPERIMENTS	Kazuya Yamaji	Mitsubishi Heavy Industries, Ltd.	1119885
11:40	Propagation of Nuclear Data Uncertainty for a Control Rod Ejection Accident using the Total Monte-Carlo Method	Dirceu F. da Cruz	Nuclear Research and Consultancy Group NRG	1102512

October 1 (Wed.) 13:30-15:40

1-9. Reactor Analysis Method (Mizuho_A) Session Chair : Richard Sanchez(CEA), Baocheng Zhang(WH)

13:30	Resonant Upscattering Effects on U238 Absorption Rates	CLAUDE MOUNIER	Commissariat a l'energie atomique et aux energies alternatives	1106006
13:50	The up-scattering treatment in the fine-structure self-shielding method in APOLLO3	Li LEI-MAO	CEA	1107332
14:10	Target Motion Sampling Temperature Treatment Technique with Track- length Estimators in OpenMC - Preliminary Results	Tuomas Viitanen	VTT Technical Research Centre of Finland	1106078
14:30	Problem-Dependent Doppler Broadening of Continuous-Energy Cross	Shane William Daniel Hart	The University of Tennessee	1101879
14:50	Sections in the KENO Monte Carlo Computer Code VERIFICATION OF DOUBLY-HETEROGENEOUS SELF-SHIELDING	Sooyoung Choi	Ulsan National Institute of Science and	1106138
15:10	Quantification of Resonance Interference Effect for Multi-Group Effective Cross-Section in Lattice Physics Calculation	Hiroki Koike	Mitsubishi Heavy Industries, Ltd.	1105375

4-5. Verification, Validation and Uncertainty Analysis (Mizuho_B)

Session Ch	Session Chair : Maria Avramova(Penn State University), Willen F. G. Rooijen(Fukui Univ.)			
13.30	Deterministic approach of the decay heat uncertainty due to JEFF-3.1.1	Vanessa Vallet		1104036
10.00	depletion code			1101000
13:50	Bias and Uncertainty Assessment of Pressurized Water Reactor Fuel	Ryan Nathaniel Bratton	The Pennsylvania State University	1127866
14.10	INVENTORY UNCERTAINTY QUANTIFICATION AND PROPAGATION	iean-christophe cyrille Sublet	Linited Kingdom Atomic Energy Authority	1103900
14.10	USING TENDL COVARIANCE DATA IN FISPACT-II		Childe Kingdom Atomic Energy Addionay	1100000
14:30	Validation of CASMO5 spent fuel isotopics with decay and fission yield	Joshua Hykes	Studsvik Scandpower, Inc.	1104131
	uncertainties	-	•	
	UNCERTAINTY PROPAGATION AND SENSITIVITY ANALYSIS IN			
14:50	THE ALEPH MONTE CARLO BURNUP CODE: APPLICATIONS TO	Luca Fiorito	SCKCEN	1106036
	FISSION PULSE DECAY HEAT CALCULATIONS			
	UNCERTAINTY QUANTIFICATION OF SPENT FUEL NUCLIDE			
15:10	COMPOSITIONS DUE TO CROSS SECTIONS, DECAY CONSTANTS	Olivier Leray	Paul Scherrer Institut	1104088
	AND EISSION VIELDS			

7-1. Reactor Concepts and Designs (Hiei)

Session Chair : Bojan Petrovic(Georgia Tech. Univ.), Akiyuki Tsuchiya (Hitachi GE)

13:30	CONCEPTUAL STUDY OF A LONG-LIFE PGSFR	Donny Hartanto	KAIST	1104420
13:50	CORE DESIGN STUDIES ON THE FAST REACTOR WITH FLEXIBLE	Yunlong Xiao	Xi an Jiaotong University	1092268
14:10	BREEDING RATIO ENHANCED FEEDBACK EFFECTS IN SODIUM COOLED FAST REACTORS USING MODERATING MATERIAL - THE EFFECT OF	Bruno Merk	Helmholtz-Zentrum Dresden-Rossendorf e.V.	1096317
14:30	ADVANCED SODIUM CONTENT IN THE FIFT ADVANCED SODIUM COOLED REACTOR CORES HAVING THORIUM BLANKETS FOR EFFECTIVE BURNING OF TRANSURANIC NUCLIDES	Wu Seung YOU	Kyung Hee Univsersity	1093377
14:50	PHISICS IMPROVEMENTS AND COMPARATIVE STUDY WITH ERANOS 2.2 ON THE GEN-IV LEAD-COOLED FAST REACTOR CONCEPT_ALERED	Francesco Lodi	University of Bologna	1104422
15:10	Velocity characteristic and stability of wave solutions for a candle reactor with thermal feedback	Volodymyr Khotyayintsev	Department of Physics, T. Shevchenko National University of Kviv	1106054

3-5. Monte Carlo Methods (Atago)

Session Ci	hair : Bradley Rearden(ORNL), Macro Pecchia(PSI)			
13:30	Effects of Stochastic Noise on a Three-Dimensional Monte Carlo	Scott I Spychala	Bettis Atomic Power Laboratory	1142466
	Depletion Analysis of the H.B. Robinson Reactor	eeest e opjondid		
13:50	EFFICIENT ESTIMATION OF ADJOINT-WEIGHTED KINETICS	Sung Hoon Choi	Korea Electrical Engineering & Science	1105965
	PARAMETERS IN THE MONTE CARLO WIELANDT CALCULATIONS		Research Institute	1100000
14.10	HIGHER-ORDER CHEBYSHEV RATIONAL APPROXIMATION	Maria Pusa	VTT Technical Research Centre of Finland	1110/22
14:10	METHOD (CRAM)		VIT Technical Research Centre of Finland	1113422

14:30	Efficiency and Accuracy Evaulation of the Windowed Multipole Direct Doppler Broadening Method	Colin Josey	Massachusetts Institute of Technology	1126651
14:50	DIFFUSION THEORY MONTE CARLO METHOD WITH TRANSPORT CORRECTIONS	Argala Srivastava	BHABHA ATOMIC RESEARCH CENTRE, MUMBAI. INDIA	1105538
15:10	GENERATION OF ONE-GROUP SELF SHIELDED CROSS SECTIONS WITH MULTI-GROUP APPROACH FOR MONTE CARLO BURNUP CODES	Dan Kotlyar	Ben Gurion University	1084485

15. Research Related to Fukushima Accident (Cosmos)

Session Cl	ession Chair : Alireza Haghighat(Virginia Tech Univ.), Akio Yamamoto(Nagoya Univ.)			
13:30	AREVA Dismantling and Decommisioning experience and Fuel Debris removal approach for Fukushima Dai-ichi	Konrad Schauer	AREVA	2000001
13:50	RE-CRITICALITY POTENTIAL AT FUKUSHIMI DAI ICHI UNIT 4 FOLLOWING THE MARCH 2011 EARTHQUAKE AND TSUNAMI	Alan H. Wells	Electric Power Research Institute (EPRI)	1106299
14:10	Why a criticality excursion was possible in the Fukushima spent fuel pool	Antonio SARGENI	IRSN	1085679
14:30	CRITICAL EXPERIMENTS FOR FUEL DEBRIS USING MODIFIED STACY	Kazuhiko IZAWA	Japan Atomic Energy Agency	1127170
14:50	CONCEPT OF CAPTURE CREDIT BASED ON NEUTRON INDUCED GAMMA RAY SPECTROSCOPY	Yasushi Nauchi	Central Research Institute of Electric Power Industry	1105423
15:10	A methodology for fast and accurate decay heat calculations for in-pool used fuel assemblies developed at AREVA La Hague reprocessing facility	Agnes Launay	AREVA NC Recycling	1125870

October 2 (Thu.) 8:00-10:05

1-10. Reactor Analysis Method (Mizuho_A)

Session Chair : Aldo Dall'Osso(AREVA NP), Christophe Demaziere(Chalmers Univ. of Tech.)

8:00	An Asymptotic Homogenized SP2 Approximation to the Boltzmann	Thomas G. Saller	University of Michigan	1106112
8:20	An Asymptotic Homogenized SP2 Approximation to the Boltzmann	Thomas G. Saller	University of Michigan	1106177
8:40	GENERALIZED AND STANDARD MULTIGROUP NEUTRON DIFFUSION EQUATION EIGENVALUE PROBLEM WITH THE FINITE VOLUME METHOD	Alvaro Bernal	Universitat Politecnica de Valencia	1106303
9:00	A Generalized Multigroup Method Based on Finite Elements	Andrew T Till	Texas A&M University	1127687
9:20	AN ASYMPTOTIC, HOMOGENIZED, ANISOTROPIC, MULTIGROUP DIFFUSION APPROXIMATION TO THE NEUTRON TRANSPORT FOLIATION	Travis John Trahan	Los Alamos National Laboratory	1105474
9:40	ACCURACY OF THE LINEAR DISCONTINUOUS GALERKIN METHOD FOR REACTOR ANALYSIS WITH RESOLVED FUEL PINS	Carolyn N McGraw	Texas A&M University	1127761

4-6. Verification, Validation and Uncertainty Analysis (Mizuho_B)

Session Cr.	nair : Laurent Chabert(AREVA TA), Kenji Nishinara(JAEA)			
8:00	SENSITIVITY AND UNCERTAINTY CALCULATIONS METHODS OF NEUTRONICS PARAMETERS IN PWR CORES PART I: THEORY AND SENSITIVITY CALCULATIONS	Toshikazu TAKEDA	Research Institute of Nuclear Engineering, University of Fukui	1100398
8:20	Constrained Quantities in Uncertainty Quantification: Ambiguity and Tips to Follow	Zoltan Perko	TU Delft, Department of Radiation Science and Technology, Nuclear Energy and Radiation Applications	1084579
8:40	ADJOINT-BASED SENSITIVITY AND UNCERTAINTY ANALYSIS OF LATTICE PHYSICS CALCULATIONS WITH CASMO-4	Maria Pusa	VTT Technical Research Centre of Finland	1106024
9:00	Nuclear data uncertainty propagation on power maps in large LWR cores	Alain Santamarina	CEA	1106197
9:20	Are Modeling Uncertainties Properly Considered in Neutronics Data Assimilation Analysis?	Paridhi Athe	North Carolina State University	1126688
9:40	Sensitivity Analysis via Reduced Order Adjoint Method	Youngsuk Bang	FNC Technology, Co., Ltd	1106183

7-2. Reactor Concepts and Designs (Hiei)

Session Chair : Jan L. Kloosterman(Delft University of Technology), Deokjung Lee(UNIST)

8:00	SmAHTR-CTC Neutronic Design	Dan Ilas	Oak Ridge National Laboratory	1154037
8.20	SUPPRESSION OF EXCESS REACTIVITY OF SMALL LONG-LIFE	Odmaa Sambuu	Takya Institute of Technology	1105504
0.20	PRISMATIC HTGR WITH PASSIVE DECAY-HEAT REMOVAL	Odiliaa Saliibuu	Tokyo mstitute or recimology	1103304
8.40	CONCEPTUAL DESIGN OF A SELF-SUSTANABLE PRESSURIZED	Marat Marculis	Ben Gurion University	1091293
8:40	WATER REACTOR WITH BOILING CHANNELS		Den Gunon Oniversity	1031233
9:00	Feasibility Study of Application of BigT	HwanYeal Yu	KAIST	1105145
0.20	Axially Homogeneous Thorium Fuel Designs for Transuranic Burning in		University of Combridge	1068763
5.20	Reduced-moderation BWRs	Denjamin A. Lindiey	Chiversity of Cambridge	1000700
9:40	Neutronic Analysis of A Micro Modular Reactor	Francesco Venneri	Ultra Safe Nuclear Corporation	1127098

6-2. Reactor Physics Experiments (Atago)

Session Chair : Jacques Di Salvo(CEA), Kenichi Yoshioka(Toshiba)

8:00	AN IMPROVED FEYNMAN-α CORRELATION ANALYSIS WITH A	Ryohei Okuda	Interdisciplinary Graduate School of Science	1102247
8:20	AN ALTERNATIVE SOURCE JERK METHOD IMPLEMENTATION FOR THE SUBCRITICALITY ESTIMATION OF THE VENUS-F SUBCRITICAL CORE IN THE FREVA PROJECT	Anatoly Kochetkov	SCK-CEN, Belgium Nuclear Research Centre	1105864
8:40	PULSED NEUTRON AND SOURCE JERK EXPERIMENTS FOR REACTIVITY ASSESSMENT IN DEEP SUBCRITICAL CONFIGURATION: A CASE STUDY WITHIN THE FRAMEWORK OF THE EREVA PROJECT	Giorgia Mila	INFN - Section of Turin	1128133
9:00	Reactivity Measurement of the Lead Fast Subcritical VENUS-F Reactor using Beam Interruption Experiments	Thibault Matthieu Chevret	LPC Caen, ENSICAEN/Universite de Caen/CNRS-IN2P3	1087437
9:20	REACTIVITY MEASUREMENTS AT GUINEVERE FACILITY USING THE INTEGRAL ko METHOD	Sebastien Chabod	CNRS	1104440
9:40	ESTIMATION OF THE DELAYED NEUTRON FRACTION β_{eff} OF THE MAESTRO CORE IN MINERVE ZERO POWER REACTOR	Erez Gilad	Department of Nuclear Engineering, Ben- Gurion Universitv of Negev	1090478

10-1. Nuclear Data (Cosmos)

00331011 01				
8:00	COMAC: Nuclear Data Covariance Matrices Library for Reactor Applications	Pascal Archier	CEA, DEN, DER, SPRC, LEPh	1077966
8:20	Model-based Generation of Neutron Induced Fission Yields up to 20	Kilian P. Kern	Karlsruhe Institute of Technology	1106067
	MeV by the GEF Code			
8:40 N	EXPERIMENTS TO IMPROVE UNCERTAINTY OF THE 1st DELAYED	Heejun Chung I	University of Florida	1104110
	NEUTRON GROUP ABUNDANCE IN FAST FISSIONS OF U238 AND			
	SENSITIVITY STUDIES OF THE RELATIVE PARAMETERS			
9.00	OBSERVATION OF NEUTRON THERMALIZATION IN GRAPHITE	Avman I. Hawari	North Carolina State University	1105487
0.00	USING THE SLOWING-DOWN-TIME TECHNQIUE	, iyinan il Hamali		
9.20	MEASUREMENT OF NEUTRON CAPTURE CROSS SECTION OF	Jun-ichi Hori	Research Reactor Institute, Kvoto University	1127786
0.20	232TH IN THE LOW ENERGY REGION			1121100
9:40	New Revisions of Reactor Physics Standards	Dimitrios Cokinos	Brookhaven National Laboratory	1113347

October 2 (Thu.) 10:20-12:00

1-11. Reactor Analysis Method (Mizuho_A)

Session Chair : Alain Hebert(Ecole Polytechnique de Montreal), Ren-Tai Chiang(Energy Engineering Service)

10:20	Revisiting the Clio perturbative approach for analyzing systems in fundamental mode conditions	Alain Hebert	Ecole Polytechnique de Montreal	1104443
10:40	A Generalization of Lambda-Mode Xenon Stability Analysis	Justin Michael Pounders	Bettis Atomic Power Laboratory	1127646
11:00	Preliminary Study of the Impact of Xe-135m on the PCR of CANDU	Jaeha Kim	KAIST	1105707
11:20	Verification of the spectral history correction method with fully coupled	Yurii Bilodid	Helmholtz-Zentrum Dresden-Rossendorf	1106131
	Monte-Carlo code BGCore			
	CORE NEUTRONICS METHODOLOGIES APPLIED TO THE MOX-			
11:40	LOADED KAIST 1A BENCHMARK: REFERENCE TO INDUSTRIAL	Ansar CALLOO	EDF R&D/SINETICS	1092925
	CALCULATIONS			

4-7. Verification, Validation and Uncertainty Analysis (Mizuho_B)

Session Cl	hair : Maria Pusa(VTT), Tadafumi Sano(KURRI)			
10:20	Sensitivity and uncertainty analysis on reactor kinetic parameters using perturbation theory	Cyrille Bouret	Commissariat Energie Atomique et aux Energies Alternatives	1126308
10:40	Selecting benchmarks for reactor calculations	Erwin Alhassan	Division of Applied Nuclear Physics, Department of Physics and Astronomy Uppsala University	1106307
11:00	DICE 2013: NEW CAPABILITES AND DATA	lan P Hill	OECD/NEA	1105736
11:20	OECD NEA Benchmark Database of Spent Nuclear Fuel Isotopic Compositions for World Reactor Designs	lan C Gauld	Oak Ridge National Laboratory	1106253
11:40	Effective Physics-Based Uncertainty Quantification for ZrHx Thermal Neutron Scattering in TRIGA Reactors	Weixiong Zheng	Texas A&M University	1104568

8-2. Reactor Operation and Safety (Hiei)

Session Cl	hair : Fausto Franceschini(WH), Naoyuki Nakadozono(Hitachi)			
10.20	ADVANCED SURVEILLANCE OF RESISTANCE TEMPERATURE	Cristina Montalvo	Technical University of Madrid (URM)	1000608
10.20	DETECTORS IN NUCLEAR POWER PLANTS.			1000000
10:40	REFINED METHOD FOR SURVEILLANCE AND DIAGNOSTICS OF	Imre Pazsit	Chalmers Univ. of Technology	1104708
	THE CORE BARREL VIBRATIONS OF THE RINGHALS PWRs			
11:00	ASSESSMENT OF FLOW INDUCED VIBRATION LIMITS IN	Glenn E. Sjoden	Georgia Institute of Technology	1106266
	PRELIMINARY I2S-LWR FUEL DESIGNS			
11.20	BLOCKAGE INDEX FOR THE DETECTION OF FLOW BLOCKAGE IN	Hae-Yong Jeong	Seiona University	1122850
11.20	A SUBASSEMBLY OF SODIUM-COOLED FAST REACTOR	The Folig beenig		1122000
11:40	SECOND GENERATION SHIELDING ASSEMBLIES - NEUTRON FLUX	Klaes-Hakan Bejmer	Vattenfall AB Sweden	1203930
	IMPACT ON REACTOR PRESSURE VESSEL AND CORE DESIGN			

6-3. Reactor Physics Experiments (Atago)

		(U)
Session Chair : Nicholas	Brown(BNL),	Hironobu Unesaki(KURRI)

10:20	BNL Metal Fuel Lattice Experiments: Candidates for Reactor Physics Benchmark Evaluation	Nicholas R Brown	Brookhaven National Laboratory	1104785
10:40	Benchmark Evaluation of the Neutron Radiography (NRAD) Reactor Upgraded LEU-Fuel Core	John Darrell Bess	Idaho National Laboratory	1084758
11:00	CALIBAN AND GODIVA-IV MEASUREMENTS USING HELIUM-3 DETECTOR SYSTEMS	Jesson Hutchinson	LANL	1105154
11:20	POWER SPECTRAL ANALYSIS FOR A SUBCRITICAL REACTOR SYSTEM DRIVEN BY A PULSED SPALLATION NEUTRON SOURCE	Atsushi Sakon	Interdisciplinary Graduate School of Science and Engineering, Kinki University	1102582
11:40	Equivalencies of Open & Closed Loop Reactivity Measurements	Benjamin A Baker	Idaho State University	1130969

SS4. Advanced Geometry Processing in Deterministic and Monte Carlo Methods (Cosmos)

Session Cl	hair : Hyung Jin Shim(Seoul National Univ.), Shinya Kosaka(MHI)			
10:20	DEVELOPMENT OF A MULTI-GROUP SN TRANSPORT CALCULATION CODE WITH UNSTRUCTURED TETRAHEDRAL MESHES	SER GI HONG	Kyung Hee Univsersity	1093366
10:40	DEVELOPMENT OF AN UNSTRUCTURED MESH BASED GEOMETRY MODEL IN THE SERPENT 2 MONTE CARLO CODE	Jaakko Leppanen	VTT Technical Research Centre of Finland	1101586
11:00	A CAD BASED AUTOMATIC MODELING METHOD FOR PRIMITIVE SOLID BASED MONTE CARLO CALCULATION GEOMETRY	Dong Wang	Institute of Nuclear Energy Safety Technology, CAS · FDS Team	1105335
11:20	Developments and Applications of the Geometry Conversion Tool McCad for Monte Carlo Particle Transport Simulation	Lei Lu	Karlsruhe Institute for Technology (KIT)	1106105
11:40	A MEMORY EFFICIENT ALGORITHM FOR CLASSIFYING UNIQUE REGIONS IN CONSTRUCTIVE SOLID GEOMETRIES	Derek M Lax	Massachusetts Institute of Technology	1106231

October 2 (Thu.) 13:30-15:40

1-12. Reactor Analysis Method (Mizuho_A)

13:30 THE ROLE OF THE EIGENVALUE SEPARATION IN REACTOR Imre Pazsit Chalmers University of Technology 1106	Session Cl	Session Chair : Dimitrios Cokinos(BNL), Rong-Jiun Sheu(Institute of Nuclear Engineering and Science)				
IDYNAMICS AND NEUTRON NOISE THEORY	13:30	THE ROLE OF THE EIGENVALUE SEPARATION IN REACTOR DYNAMICS AND NEUTRON NOISE THEORY	Imre Pazsit	Chalmers University of Technology	1106213	

13:50	INVESTIGATION OF CONDITIONAL TRANSPORT UPDATE IN METHOD OF CHARACTERISTICS BASED COARSE MESH FINITE	Yeon Sang Jung	Seoul National University	1106109
14:10	INFERENCE TRANSIENT CALCULATION IMPLEMENTATION OF AN A PRIORI TIME STEP ESTIMATOR FOR THE MULTIGROUP NEUTRON DIFFUSION EQUATION IN ASYNCHRONOLISUX COLIPLED RELAPS 3D	Michael Wayne Hackemack	Texas A&M University	1127681
14:30	DEVELOPMENT OF A THREE-DIMENSIONAL KINETICS CODE FOR COMMERCIAL-SCALE FBR FULL CORE ANALYSIS	Yoichiro Shimazu	University of Fukui Research Institute of Nuclear Engineering	1081523
14:50	USE OF ADJOINT FUNCTIONS FOR COMPARING MEASURED AND CALCULATED PARAMETERS IN THE SUBCRITICAL SYSTEMS	Sergey Shevchenko	SEC NRS	1091810
15:10	DEVELOPMENT OF THE NEUTRON SOURCE EVALUATION METHOD AND PREDICTOR OF SRM/SRNM COUNT RATE IN BWR SIMI II ATOR	Masayuki Tojo	Global Nuclear Fuel-Japan	1097414

14. Education in Reactor Physics (Mizuho_B)

Session Cl	hair : Ben Forget(MIT), Takanori Kameyama(Tokai Univ.)			
13:30	Education programs for students and graduate students with experimental facilities for nuclear energy in Toshiba	Kouji Hiraiwa	TOSHIBA Corporation	2000003
13:50	Past, Present and Future of MIT Reactor Physics	Benoit Forget	Massachusetts Institute of Technology	1105147
14:10	NEW PRACTICAL EXERCISES AT THE JSI TRIGA MARK II REACTOR	Luka Snoj	Jozef Stefan Institute	1106257
14:30	Developing a course in nuclear reactor modelling and going from campus-based to web-based teaching	Christophe R. Demaziere	Chalmers University of Technology	1099675
14:50	Introduction to the status of Reactor physics Education in Tsinghua University	ganglin yu	Tsinghua University	1106245
15:10	Reactor Physics Education at Seoul National University	Han Gyu Joo	Seoul National University	1127896

7-3. Reactor Concepts and Designs (Hiei)

Session Chair : Liangzhi Cao(Xi'an Jiaotong U.), Naoto Aizawa(Tohoku Univ.)

13:30	DEVELOPMENT OF THE 900 SECOND SPECIFIC IMPULSE CARBIDE LOW ENRICHED URANIUM NUCLEAR THERMAL ROCKET	Paolo Francesco Venneri	Korea Advanced Institute of Science and Technology	1126817
13:50	Molybdenum-99 Production in the Oregon State TRIGA Reactor: Analysis of Multiple Smaller Core Designs Using a New LEU Target as Fuel	Andrew J Hummel	Oregon State University	1106761
14:10	Preliminary Design of the Delft Isotope Production Reactor (DIPR)	Jan Leen Kloosterman	Delft University of Technology	1104016
14:30	A STUDY OF SAFETY CORE DESIGN ON BEAM TRANSIENT FOR ACCELERATOR DRIVEN SYSTEM	Naoto Aizawa	Tohoku University	1105750
14:50	NEW INVERTED HYDRIDE FUEL DESIGN CONCEPT FOR PRESSURE TUBE TYPE SUPER CRITICAL WATER REACTORS	Liangzhi Cao	Xi'an Jiaotong University	1080898
15:10	Preliminary safety analysis of a Thorium Breeder Pebble Bed Reactor	Frank Jozef Wols	Delft University of Technology	1069253

6-4. Reactor Physics Experiments (Atago) Session Chair : Mohamed Ouisloumen(WH), Toru Yamamoto(NRA)

13:30	Overview of the 2014 Edition of the International Handbook of Evaluated	John Darrell Bess	Idaho National Laboratory	1102703
	Reactor Physics Benchmark Experiments (IRPhEP Handbook)		,	
13:50	Analysis of Tungsten Gray Rods Critical Experiments Using PARAGON	Mohamed Quisloumen	Westinghouse Electric Company LLC	1101855
	with Ultra-Fine Energy Mesh Methodology		Trootinghouse Electric company 220	
14.10	Monte Carlo assessment of spatial and energy effects in the VENUS-F	Vicente Becares	CIEMAT	1127823
14.10	subcritical configurations and application for reactivity determination.			
14:30	VALIDATION OF ORIGEN2 COUPLED WITH JENDL-4.0 BASE LI-	Toru Yamamoto	Nuclear Regulation Authority	1103841
	BRARIES FOR ISOTOPIC COMPOSITIONS OF IRRADIATED LIGHT			
	WATER REACTOR FUELS			
14:50	THE AMMON EXPERIMENT IN EOLE FACILITY: A CHALLENGING			
	PROGRAM DEDICATED TO THE EXPERIMENTAL VALIDATION OF	Jacques DI SALVO	CEA, DEN, DER/SPEx, Cadarache	1099684
	HR NEUTRONIC AND PHOTONIC CALCULATION TOOLS			
15:10	Monte Carlo analysis of reactivity effect measurements in the AMMON	Claire Vaglio-Gaudard	CEA - Commissariat a l'Energie Atomique et	1101619
	experimental program dedicated to JHR neutron studies		aux Energies Alternatives	1101013

10-2. Nuclear Data (Cosmos)

Session Cl	hair : Nicolas E. Stauff (ANL), Pascal Archier (CEA)			
13:30	Impact of the interpolation mode on the secondary particles for shielding and criticality benchmarks with TRIPOLI-4 Monte Carlo Code	cedric Jouanne	CEA Saclay	1104046
13:50	Impact of the differences in nuclear data on estimated k-effective of SFR cores	Nicolas Emile Stauff	Argonne National Laboratory	1104107
14:10	NUCLEAR DATA SENSITIVITY ANALYSIS FOR ISOTOPIC GENERATION USING JENDL-4.0. ENDF/B-VII.1 AND JEFF-3.1.1	Yosuke Kawamoto	Nuclear Reactor Engineering Laboratory	1105258
14:30	VALIDATION OF A POINTWISE ENERGY NEUTRON CROSS SECTION LIBRARY GENERATED BY RXSP-BETA2.0 USING ENDFB- VILO	Jiankai YU	Department of Engineering Physics, Tsinghua University	1102714
14:50	CRITICALITY ANALYSES OF URANIUM ZIRCONIUM CARBON NITRIDE LEU FUEL WITH ENDF/B-VII.1, JEFF-3.1.2, AND JENDL-4 NUCLEAR DATA FILES	Alberto Talamo	Argonne National Laboratory	1068258
15:10	FEEDBACK ON 239PU AND 240PU NUCLEAR DATA AND ASSOCIATED COVARIANCES THROUGH THE CERES INTEGRAL EXPERIMENTS	Pierre LECONTE	CEA Cadarache	1104041