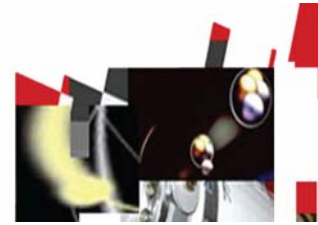




TOPSAFE

Dubrovnik, Croatia, 30.09 - 3.10.2008



Conference Programme

Co-organised with

HND

Croatian Nuclear Society



in co-operation with IAEA



in co-operation with OECD NEA

TUESDAY September 30th 2008

20:00 - 21:00	Welcome Reception
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WEDNESDAY October 1st 2008

8:30 - 9:00	Opening	CONFERENCE HALL - SECTION 1
9:00 - 10:30	Invited Lectures OECD/NEA Initiatives on Nuclear Safety JRC IE Network Research Activities on NPP Operational Experience Feedback	J. Reig (OECD/NEA) V. Ranguelova (JRC-Petten)
10:30 - 11:00	Coffee Break	
	Poster Summary – Presenters Giovanni Bruna, Francesc Reventos and Estelle Sauvage	
	A1-1 Safety Assessment and Analysis	
	A1-042 VALIDATION OF TECH-M-97 CODE AGAINST RESULTS OF BEMUSE PROGRAM S.L. Borisov, N.V. Bukin, N.S. Fil, FSUE EDO “Girdopress”, Russia	
	A1-045 CATHARE ASSESSMENT OF PACTEL LOCA EXPERIMENTS WITH ACCIDENT MANAGEMENT L. Sabotinov, Institut de Radioprotection et de sûreté Nucléaire, France	
	A1-046 HEMERA: A 3D COUPLED CORE-PLANT SYSTEM FOR ACCIDENTAL REACTOR TRANSIENT SIMULATION A. Sargeni, G.B. Bruna, B. Normand, F. Fouquet, E. Mury, F. Scarcelli, IRSN, France JC. Le Pallec, R. Lenain, E. Hourcade, C. Poinot-Salanon, E. Royer, E. Richebois, CEA, France	
	A1-053 APPROACHES AND METHODS TO EVALUATE UNCERTAINTY IN SYSTEM THERMAL-HYDRAULICS CALCULATIONS. KEY APPLICATIONS BY CIAU METHOD A. Petruzzi, F. D’Auria, University of Pisa, Italy	
11:00 - 12:30	A1-054 ADDRESSING BORON DILUTION SCENARIO THROUGH RELAP5/3.3 ANALYSIS OF VVER-1000 SB LOCA P. Pla, W. Giannotti, A. Del Nevo, N. Muellner, C. Parisi, F. D’Auria, University of Pisa, Italy	
	A1-055 THE “CODE USER EFFECT” AND THE INTERNATIONAL TRAINING SEMINAR 3D S.UN.COP A. Petruzzi, F. D’Auria, University of Pisa, Italy T. Bajcs, University of Zagreb, FER, Croatia F. Reventos, School of Industrial Engineering, Barcelona, Spain	
	A1-060 INTERNATIONAL ACTIVITIES IN THE FIELD OF THERMAL-HYDRAULICS PERFORMED BY THE EC JRC IE IN THE FRAMEWORK OF THE TACIS AND PHARE PROGRAMMES A., M. Biéth, Nuclear Operation Safety Unit, The Netherlands	
	A1-082 CYCLON-EFFECT IN PWR DOWNCOMER DURING BLOWDOWN SCENARIOS F. Montenegro, J. Fradera, E. Mas de les Valls, O. Lozano, L. Batet, F. Reventós, Institute of Energy Technologies, Spain	
	A1-083 CODE VALIDATION AND SCALING OF THE ROSA/LSTF TEST 3-1 EXPERIMENT V. M. Martínez, F. Reventós, C. Pretel, L. Batet, Technical University of Catalonia, Spain	

WEDNESDAY October 1st 2008 (continued)

11:00 - 12:30	Poster Summary – Presenters Giovanni Bruna, Francesc Reventos and Estelle Sauvage
	<p>A1-2 Design safety issues</p> <p>A1-006 FIRST EXPERIENCE WITH THE CONSOLIDATION OF WWER REACTOR PRESSURE VESSEL KNOWLEDGE THROUGH A NEW METHOD Ulrik von Estorff, Luigi Debarberis, Institute for Energy, The Netherlands Milan Brumovsky, Nuclear Research Institute, Czech Republic Tim Williams, Rolls Royce, UK</p> <p>A1-032 COMPUTATIONAL FLUID DYNAMICS (CFD) AS A TOOL FOR PREDICTION OF THERMAL FATIGUE IN T-JUNCTIONS B. Niceno, B. L. Smith, Paul Scherrer Institut, Switzerland H-M. Prasser, Swiss Federal Institute of Technology Zurich</p> <p>A1-085 DESIGN PROCEDURES FOR AVOIDING INSTABILITY IN TWO-PHASE NATURAL CIRCULATION SYSTEMS P. K. Vijayan, M.R. Gartia, A.K. Nayak, D. Saha, R.K. Sinha, Bhabha Atomic Research Centre, India</p>
	<p>A1-3 Licensing and Harmonisation</p> <p>A1-034 SIMULATOR TRAINING AND NUCLEAR SAFETY IN KOZLODUY NPP PLC K. D. Stoychev, Kozloduy NPP, Bulgaria</p> <p>A1-036 IBERDROLA NEW FUEL DESIGN LICENSING PROCESS P. Mata, Iberdrola Generacion, Spain</p> <p>A1-068 APROS SIMULATION MODEL FOR OLKILUOTO-3 EPR APPLICATIONS Kari Porkholm, Harri Kontio, Fortum Nuclear Services Ltd, Finland Herikko Plit, Kristiina Söderholm, Teollisuuden Voima Oyj, Finland</p>

WEDNESDAY October 1st 2008 (continued)

11:00 - 12:30	Poster Summary – Presenters Giovanni Bruna, Francesc Reventos and Estelle Sauvage
	A1-4 Operational safety
	A1-018 SOURCE TERM EVALUATION FOR A SEVERE ACCIDENT IN CANDU TYPE REACTOR BY ASTEC CODE M. Constantin, A. Rizoiu, I. Turcu, C. Margeanu, Institute for Nuclear Research, Pitesti, Romania
	A1-079 INTERNATIONAL EFFORTS TOWARDS GROUNDING OF NUCLEAR CONCEPTS SAFETY (SURVEY OF ISTC PROGRAMS RESULTS) L.V. Tocheny, International Science and Technology Center, Russia
	A1-080 PRESSURE DROP AND DRYOUT BEHAVIORS OF A VOLUMETRICALLY HEATED IRREGULAR PARTICLE BED Y. Chen, R. Kulenovic, M. Rashid, University of Stuttgart, IKE, Germany P.P. Kulkarni, A. K. Nayak, Bhabha Atomic Research Centre, India
	A1-086 A STUDY OF THE INFLUENCE OF PLANT CONDITION ON THE HEAT REMOVAL FEASIBILITY AFTER A FAILURE OF THE RHRS J.F. Villanueva, S. Carlos, V. Serradell, S. Martorell, Polytechnic University of Valencia F. Pelayo, R. Mendizábal, Consejo de Seguridad Nuclear, Spain
	A1-108 INFLUENCE OF NPP KRSKO CORE NUCLEAR CHARACTERISTICS ON RCCA EJECTION ACCIDENT Ilijana Iveković, Davor Grgić, Dubravko Pevec, FER, University of Zagreb, Croatia Josip Vuković, ENCONET d.o.o., Croatia
	A1-110 APPLICATION OF THE SYSTEM THERMAL-HYDRAULICS CODES FOR THE EVALUATION OF THE OPERATING PWR PLANT SAFETY IN THE SHUTDOWN CONDITIONS N. Čavlina, N. Debrecin, T. Bajs, V. Benčik, FER, University of Zagreb, Croatia
	A1-114 PROBABILISTIC EVALUATION OF POTENTIAL PTS SCENARIOS Ivica Bašić, Ivan Vrbanić, ApoSS d.o.o., Croatia
	A1-116 PSA QUANTIFICATION COMPARISON BETWEEN BDD AND CONVENTIONAL APPROACH Zdenko Šimić, Reni Banov, Vladimir Mikuličić, FER, University of Zagreb, Croatia
A1-124 SLOVENIAN POWER SYSTEM RELIABILITY ANALYSIS Andrija Volkanovski, Borut Mavko, Marko Čepin, Jožef Stefan Institute, Slovenia	
A1-125 INFLUENCE OF CONTINUOUS CORIUM FIELD ON STEAM EXPLOSION SIMULATION RESULTS Mitja Uršič, Matjaž Leskovar, Jožef Stefan Institute, Slovenia	

WEDNESDAY October 1st 2008 (continued)

	Poster Summary – Presenters Giovanni Bruna, Francesc Reventos and Estelle Sauvage
	<p>Area 2 Safety of Future Reactor Designs</p> <p>A2-112 EXPERIMENTAL CHARACTERISATION OF A TWO PHASE NATURAL CIRCULATION LOOP SIMULATING A PASSIVE EMERGENCY HEAT REMOVAL SYSTEM Lorenzo Santini, Davide Papini, Marco E. Ricotti, Politecnico di Milano, Italy Davor Grgić, University of Zagreb, FER, Croatia</p>
11:00 - 12:30	<p>A3 Research Reactors</p> <p>A3-047 SAFETY ISSUES OF COLD NEUTRON SOURCES IN RESEARCH REACTORS Klaus H. Gobrecht, Ottosix, France Anton Scheuer, TUV Rheinland, Germany</p> <p>A3-100 NEURAL NETWORK APPLICATION TO ON-LINE MONITORING OF CRDM AND THERMO-HYDRAULIC CONDITION M. Sepielli, A. Ratto, ENEA - FPN M. Palomba, R. Rosa, ENEA – FPN - FISON M. Bernabucci, ENEA - Guest</p> <p>A3-002 ANALYSIS OF THE EFFECT OF INTERNAL FIRE ON THE SAFETY OPERATION OF TEHRAN RESEARCH REACTOR Saiedeh Safaei Arshi, Mohammad Reza Nematollahi, University of Shiraz, Iran Kamran Sepanloo, Atomic Energy Organization of Iran, Iran</p>
	<p>A4 Fuel Cycle Safety</p> <p>A4-037 ORGANIZATION FOR NUCLEAR SAFETY IN NUCLEAR FUEL PLANT PITESTI ROMANIA Gh. Epure, T. Ivana, Nuclear Fuel Plant PITESTI, Romania</p>
12:30 - 13:30	Lunch
13:30 - 14:00	Poster Session

WEDNESDAY October 1st 2008 (continued)

	CONFERENCE HALL - SECTION 1 Area 2-1 Safety of Forthcoming Reactors G. Vayssier	CONFERENCE HALL - SECTION 2 Area 3 Research Reactors M. Giot	CONFERENCE HALL - SECTION 3 Area 1-1 Safety Assessment and Analysis J. Zlatanski
14:00 - 15:30	<p>A1-127 AP1000: THE PWR REVISITED Paolo Gaio, Westinghouse Electric Company LLC</p> <p>A1-128 THE SAFETY CONCEPT OF THE SWR 1000 WITH ACTIVE AND PASSIVE SAFETY SYSTEMS Werner Brettschuh, Doris Pasler, AREVA NP GmbH</p> <p>A1-094 ACR-1000©: ADVANCED CANDU BASED ON PROVEN SAFETY OF CANDU REACTORS N. Popov, R. Ion, M. Cormier, P. Santamaura, S. Yu, R. Duffey, Atomic Energy of Canada Limited, Canada</p>	<p>A3-013 THE BORAX ACCIDENT IN THE JHR B. Maugard, JP.Elie, CEA CADARACHE, France D. Iracane, CEA SACLAY, France P. Trémodeux, F. Witters, CEA CADARACHE, France</p> <p>A3-021 GAMMA HEATING DEPENDENCE ON FUEL ENRICHMENT: A NUMERICAL EXPERIMENT M. Varvayanni, P. Savva, N. Catsaros, Institute of Nuclear Technology, Greece M. Antonopoulos-Domis, School of Electrical and Computer Engineering, Greece</p> <p>A3-024 DATA COLLECTION COMPUTERIZED SYSTEM FOR TRIGA RESEARCH REACTOR Daniela Mladin, Institute for Nuclear Research Pitesti, Romania</p>	<p>A1-016 EVALUATION OF THE IMPACT THAT PARS HAVE ON THE HYDROGEN RISK IN THE REACTOR CONTAINMENT: METHODOLOGY AND APPLICATION TO PSA LEVEL 2 Ahmed Bentaib, Cataldo Caroli, Bernard Chaumont, Karine Chevalier-Jabet, Institut de Radioprotection et de sûreté Nucléaire, France</p> <p>A1-071 COMPARATIVE ANALYSIS OF GRAPHITE STACK BEHAVIOUR IN TKR-TESTS AND KURSK-5 REACTOR BY COMPLEX CODE U_STACK O.Yu. Novoselsky, A.A. Semchenkov, NIKIET, Russia L.M. Parafilo, D.V. Kryuchkov, PHEI, Russia</p> <p>A1-091 A GENERIC ASSESSMENT OF THE RIA INTERIM CRITERIA IN A TYPICAL 3 LOOP 12 FEET PWR WITH 3D METHODS Javier Riverola, Tomas Nuñez, ENUSA, Spain</p>
15:30 - 16:00	Coffee Break		

WEDNESDAY October 1st 2008 (continued)

	CONFERENCE HALL - SECTION 1 Area 1-4 Operational Safety D. Grgić	CONFERENCE HALL - SECTION 2 Area 3 Research Reactors G. Bruna	CONFERENCE HALL - SECTION 3 Area 1-1 Safety Assessment and Analysis M. Sonnenkalb
16:00 - 18:00	<p>A1-103 STATE-OF-THE-ART OF THE IGNALINA RBMK-1500 SAFETY E. Uspuras, Lithuanian Energy Institute, Lithuania</p> <p>A1-120 TOOLS TO SUPPORT IMPORTANT TECHNICAL DECISIONS DURING ACCIDENT CONDITIONS J. Tenschert, Kernkraftwerk Beznau, Switzerland C. Bergiers, Westinghouse Electric Belgium SA</p> <p>A1-123 AN ESTIMATION OF OPERATOR ACTION SUCCESS CRITERIA TIME WINDOWS WITH BEST ESTIMATE CODE Andrej Prošek, Borut Mavko, Jožef Stefan Institute, Slovenia</p> <p>A1-126 AN EVALUATION ON THE EMERGENCY OPERATION STRATEGY FOR THE RECIRCULATION SUMP BLOCKAGE AT KORI UNITS 3&4 Chang Gyun Lee, Cheol Shin Lee, Sung Hyun Shin, Eun Kee Kim, Korea Power Engineering Company, Inc., Republic of Korea Jong Woon Park, Chang Hyun Kim, Korea Hydro&Nuclear Power Co., Ltd., Republic of Korea</p>	<p>A3-029 SAFETY BARRIERS OF THE HANARO RESEARCH REACTOR HoanSung Jung, InCheol Lim, Korea Atomic Energy Research Institute, KOREA</p> <p>A3-035 TRANSIENT BEHAVIOUR OF LOW ENRICHED URANIUM SILICIDE PLATE-TYPE FUEL FOR RESEARCH REACTORS Kazuaki Yanagisawa, Japan Atomic Energy Agency, Japan</p> <p>A3-038 REEVALUATION OF BDBA CONSEQUENCES OF RESEARCH REACTORS Guillaume Biaut, Thierry Bourgois, Giovanni Bruna, French Institute for Radiological Protection and Nuclear Safety, France</p> <p>A3-050 SIMULATING A PARTIAL LOCA IN A NARROW CHANNEL USING THE DSNP SIMULATION SYSTEM David Saphier, Soreq Nuclear Research Centre, Israel</p>	<p>A1-011 LARGE SCALE EXPERIMENTS ON GAS DISTRIBUTION IN THE CONTAINMENT Karsten Fischer, Becker Technologies GmbH, Germany</p> <p>A1-067 SPATIAL DISCRETIZATION IN LWR CELL CALCULATIONS WITH HELIOS 1.9: INFLUENCE ON KINF AND FLUX DISTRIBUTION B. Merk, R. Koch, Institut für Sicherheitsforschung, Germany</p> <p>A1-088 THE ROLE OF ENTRAINED DROPLETS IN PRECURSORY COOLING DURING PWR POST-LOCA REFLOOD D. Chatzikyriakou, S.P. Walker, G.F. Hewitt, Imperial College London, UK</p> <p>A1-122 ROLE OF RELAP/SCDAPSIM IN NUCLEAR SAFETY C. M. Allison, J.K. Hohorst, Innovative System Software, LLC, USA</p>

THURSDAY October 2nd 2008

8:00 - 9:00	<p>Invited Lectures CONFERENCE HALL - SECTION 1</p> <p>Nuclear Safety Research: A "Sine-Que-Non" Of Nuclear Power Plant Performance Current Nuclear Reactor Safety R&Ds and Trends in Japan</p> <p style="text-align: right;">L. Herranz (CIEMAT) H. Ninokata (Tokyo Tech.)</p>		
9:00 - 10:30	<p style="text-align: center;">CONFERENCE HALL - SECTION 1 Area 1-2 Design Safety Issues L. Van Hoenacker</p>	<p style="text-align: center;">CONFERENCE HALL - SECTION 2 Area 2-1 Safety of Forthcoming Reactors T. Bajs</p>	<p style="text-align: center;">CONFERENCE HALL - SECTION 3 Area 1-3 Licensing and Harmonisation F. Pelayo</p>
	<p>A1-099 APPLICATION OF CFD CODES IN NUCLEAR REACTOR SAFETY ANALYSIS U. Rohde, T. Höhne, E. Krepper, S. Kliem, Institute of Safety Research, Germany</p> <p>A1-104 SAFETY IMPROVEMENTS IN MOCHOVCE 3&4 DESIGN E. Bianco, F. Peinetti, ENEL/Slovenske Elektrarne, Slovakia I. Tripputi, SOGIN, Italy</p> <p>A1-066 ANALYSIS, BY RELAP5 CODE, OF BORON DILUTION PHENOMENA IN SMALL BREAK LOCA AND IN MID LOOP OPERATION TRANSIENTS, PERFORMED IN PKL III TEST FACILITY F. Mascari, G. Vella, University of Palermo, Italy F.D'Auria, University of Pisa, Italy</p>	<p>A2-129 APPLICATION OF IAEA SAFETY STANDARDS TO NEW REACTORS M. Modro, M. El-Shanawany, M. Mellinger-Deroy, IAEA, Austria</p> <p>A2-023 EUROPEAN UTILITY REQUIREMENTS (EUR) VOLUME 3 ASSESSMENT FOR AP1000 AND EPP PHASE 2E PROGRAM Gianfranco Saiu, Monica Frogheri, Ansaldo Nucleare, Italy</p> <p>A2-004 DEVELOPMENT OF NATIONAL INFRASTRUCTURE FOR SAFE AND RELIABLE NUCLEAR POWER R.I. Facer, N. Pieroni and A. Starz, IAEA, Austria</p> <p>A2-007 EPR SAFETY CONCEPT, Jürgen Wirkner, Jürgen Czech, presented by Markus Nie, AREVA NP</p>	<p>A1-096 REGULATORY CHALLENGES POSED BY THE "BEST-ESTIMATE PLUS UNCERTAINTY" METHODOLOGIES R. Mendizábal, F. Pelayo, Consejo de Seguridad Nuclear, Spain</p> <p>A1-097 ACCIDENT MANAGEMENT GUIDANCE AND INDIVIDUAL PLANT ACCIDENT MANAGEMENT SUPPORT - RECENT IAEA ACTIVITIES Suk Ho Lee, George L. Vayssier, IAEA, NSC Netherlands</p> <p>A1-026 THE SGTR (STEAM GENERATOR TUBE RUPTURE) LICENSING EVOLUTION AND THE ASSOCIATED MODIFICATIONS FOR NUCLEAR UNITS IN BELGIUM François Parmentier, Tractebel Engineering, Belgium Jean-Charles Delalleau, Tihange Electrabel, Belgium</p>
10:30 - 11:00	<p>Coffee Break</p>		

THURSDAY October 2nd 2008 (continued)

	CONFERENCE HALL - SECTION 1 A1-2 Design Safety Issues Z. Šimić	CONFERENCE HALL - SECTION 2 Area 2-2 Safety of Future Reactor Designs N. Popov	CONFERENCE HALL - SECTION 3 A1-3 Licensing and Harmonisation A. Bucalossi
11:00 –12:30	<p>A1-051 INDUSTRIAL SAFETY AND NUCLEAR SAFETY CONNECTIONS Gianni Petrangeli, University of Pisa, Italy</p> <p>A1-062 USE OF PSA IN THE DESIGN AND CONSTRUCTION PHASE OF NPPS IN FINLAND Risto Himanen, Teollisuuden Voima Oy, Finland</p> <p>A1-101 SAFETY ASSURANCE AND GOALS OF GENERIC NPP DESIGNS M. El-Shanawany, I. Kouzmina, IAEA, Austria R. Pape, Liverpool, UK</p>	<p>A2-113 A CRITICAL OVERVIEW ON DIFFERENT SOLUTIONS FOR IN-POOL CONDENSERS FOR PASSIVE SAFETY SYSTEMS Davide Papini, Antonio Cammi, Politecnico di Milano, Italy Davor Grgić, University of Zagreb, FER, Croatia</p> <p>A2-022 ANSALDO RESEARCH ACTIVITIES ON CRITICAL AND SUB-CRITICAL LEAD FAST REACTORS Alessandro Alemberti, Luigi Mansani, Monica Frogheri, Ansaldo Nucleare, Italy</p> <p>A2-015 SLOW REACTIVITY INSERTION IN SUBCRITICAL REACTORS. APPLICATION TO ADS C.Montalvo, A.García-Berrocal, M.Balbás, Technical University of Madrid(UPM), Spain J.Blázquez, Nuclear Fission Division, CIEMAT, Spain</p>	<p>A1-089 NPP SAFETY IN UKRAINE: RECENT DEVELOPMENTS AND TREND G. Gromov, O. Sevbo, S. Sholomitsky, Ukrainian State Scientific and Technical Center on Nuclear and Radiation Safety, Ukraine</p> <p>A1-115 EXPLOITATION OF BEPU APPROACH FOR THE LICENSING PROCESS C. Camargo, R. Galetti, F. D'Auria, University of Pisa, Italy O Mazzantini, NA-SA, Argentina</p> <p>A1-048 CULTURAL AND ORGANISATIONAL FACTORS LEADING TO MAJOR EVENTS Lorenzo G.A. van Wijk, Richard H. Taylor, John H.R. May</p>
12:30 - 13:30	Lunch		
13:30 - 14:00	Poster Session		

THURSDAY October 2nd 2008 (continued)

	CONFERENCE HALL - SECTION 1 Area 1-1 Safety Assessment and Analysis F. Reventos	CONFERENCE HALL - SECTION 2 Area 2-2 Safety of Future Reactor Designs N. Cavlina	CONFERENCE HALL - SECTION 3 A1-3 Licensing and Harmonisation J. Misak
14:00 –16:00	<p>A1-028 ON THE ANALYSIS AND EVALUATION OF DIRECT CONTAINEMENT HEATING WITH THE MULTIDIMENSIONAL MULTIPHASE FLOW CODE MC3D Meignen Renaud, Janin Tanguy, IRSN, France</p> <p>A1-044 CATHARE MULTI-1D MODELING OF COOLANT MIXING IN VVER-1000 FOR RIA ANALYSIS N.P. Kolev, I. Spasov, J.Donov, N.Petrov, Institute for Nuclear Research and Nuclear Energy, Bulgaria L.Sabotinov, Institut de Radioprotection et de sûreté Nucléaire, France</p> <p>A1-063 CFD SIMULATIONS OF GIDROPRESS MIXING FACILITY EXPERIMENTS IN THE FRAMEWORK OF TACIS PROJECT R2.02/02 T. Höhne, U. Rohde, Institute of Safety Research, Germany D. Melideo, F. Moretti, F. D’Auria, University of Pisa, Italy A. Shishov, E. Lisenkov, FSUE OKB “Gidropress”, Russia</p> <p>A1-064 UNCERTAINTY ANALYSIS OF MODELING (UAM) AND SAFETY IMPLICATIONS K. Ivanov, M. Avramova, Pennsylvania State University, USA I. Kodeli, E. Sartori, OECD NEA Data Bank, France</p>	<p>A2-008 CONCEPT OF A FUTURE HIGH PRESSURE-BOILING WATER REACTOR, HP-BWR Frigyes Reisch, KTH Royal Institute of Technology, Sweden</p> <p>A2-049 SUPERIOR SAFETY RESPONSE OF THE VERY HIGH TEMPERATURE PB REACTOR David Saphier, Soreq Nuclear Research Centre, Israel</p> <p>A2-119 EVALUATION OF A CORE MID-PLANE BLANKET FOR VOID EFFECT REDUCTION IN LEAD FAST REACTOR Rasha Ghazy, Enrico Padovani, Marco E. Ricotti, Politecnico di Milano, Italy Carlo Artioli, FIS-NUC ENEA, Italy Giacomo Grasso, University of Bologna, Italy</p>	<p>A1-057 A NEW METHOD TO RESPECT THE REAL STATE OF KNOWLEDGE ON UNCERTAINTIES IN THE EVALUATION OF SAFETY MARGINS J. Baccou and E. Chojnacki, Institut de Radioprotection et de sûreté Nucléaire, France</p> <p>A1-069 NUCLEAR SAFETY RISK-INFORMED DECISION MAKING F. Mark Reinhart, IAEA, Austria</p> <p>A1-078 CURRENT TREND IN NUCLEAR SAFETY IN BELGIUM Ray Ashley, AVN, Belgium</p> <p>Additional presentation ECLIPSE: PWR CONTROL ROD GUIDE TUBE WEAR MEASUREMENT AND EXPERTISE, Yves-Marie Pacé, AREVA, France</p>

18:30 - 23:00 Conference Dinner (co-sponsored by Westinghouse)



FRIDAY October 3rd 2008

8:30 – 9:00	Invited Lecture CONFERENCE HALL - SECTION 1 Energy and Climate Change: The Role of Nuclear Safety L. Mampaey (WANO)	
9:00 – 10:30	CONFERENCE HALL - SECTION 1 A1-3 Safety Assessment and Analysis C. Allison	CONFERENCE HALL - SECTION 2 Area 4 Fuel Cycle Safety D. Pevec
	<p>A1-107 INFLUENCE OF MODELLING OPTIONS IN RELAP5/SCDAPSIM AND MAAP4 COMPUTER CODES ON CORE MELT PROGRESSION AND REACTOR PRESSURE VESSEL INTEGRITY S. Šadek, University of Zagreb, FER, Croatia S. Špalj, ENCONET d.o.o., Croatia B. Glaser, NPP Krško, Slovenia</p> <p>A1-084 MAIN RESULTS OF PHASE IV BEMUSE PROJECT. SIMULATION OF LBLOCA IN A NPP Marina Pérez, Francesc Reventós, Lluís Batet and Raimon Pericas, Toth P. Bazin and A. de Crécy, S. Borisov, H. Glaeser and T. Skorek, J. Joucla and P. Probst, A. Ui, B. Chung, D.Y-Oh, M. Kyncl and R. Pernica, A. Manera, F. D'Auria, A. Petruzzi and A. del Nevo Technical University of Catalonia, Spain</p> <p>A1-003 AN INNOVATIVE TRAINING PROGRAM TO INCREASE SAFETY CULTURE ON ELECTRABEL-SUEZ NUCLEAR POWER PLANTS Serge Powis, Luc Maricq, Electrabel Headquarter, Belgium Katia Cauwenbergh, Sonia Crohain, Electrabel Tihange NPP, Belgium Koen De Keiser, Electrabel Doel NPP, Belgium</p>	<p>A4-009 CRISTAL: A FRENCH CRITICALITY CODE PACKAGE TO ASSESS AREVA NP NUCLEAR INSTALLATION CRITICALITY SAFETY M. Doucet, N. Comte, L. Durand Terrasson, Ch. Faignet, M. Landrieu, S. Zheng, AREVA NP – An AREVA and Siemens Company – DSBU, France</p> <p>A4-012 COMPARISON OF THE SEVERE ACCIDENT BEHAVIOUR OF ADVANCED NUCLEAR FUEL ROD CLADDING MATERIALS M. Grosse, L. Sepold, M. Steinbrueck, J. Stuckert, Karlsruhe Research Center, Germany</p>
10:30 - 11:00	Coffee Break	

FRIDAY October 3rd 2008 (continued)

	CONFERENCE HALL - SECTION 1 A1-1 Safety Assessment and Analysis O. Mazzantini	CONFERENCE HALL - SECTION 2 Area 4 Fuel Cycle Safety M. Doucet
11:00 –12:30	<p>A1-014 SARNET: SEVERE ACCIDENT RESEARCH NETWORK OF EXCELLENCE T. Albiol, J-P. Van Dorsselaere, B. Chaumont, IRSN, France T. Haste, PSI, Switzerland C. Journeau, CEA, France L. Meyer, FZK, Germany Bal Raj Sehgal, KTH, Sweden B. Schwinges, D. Beraha, GRS, Germany A. Annunziato, R. Zeyen, JRC, European Union</p> <p>A1-031 TWO NEW MODELS IN SCDAP FOR CANDU FUEL CHANNEL UNDER SEVERE ACCIDENTS Mirea Mladin, Insitute for Nuclear Research-Pitesti, Romania Daniel Dupleac, Ilie Prisecaru, University "Politehnica" of Bucharest, Romania</p> <p>A1-052 PREDICTIONS OF POST-CHF HEAT TRANSFER IN HEATED TUBES USING THE TRACE SYSTEM CODE B. Belhouachi, M. Ahmad, Dr. S.P. Walker, Prof. G.F. Hewitt, Imperial College London, UK</p>	<p>A4-020 AN EXAMPLE OF RISK INFORMED METHODOLOGIES FOR ACCIDENT ANALYSIS IN A FUEL FABRICATION PLANT THE JUZBADO INTEGRATED SAFETY ANALYSIS PROJECT Óscar Zurrón-Cifuentes, Carolina Álvaro-Pérez, ENUSA Industrias avanzadas, Spain</p> <p>A4-058 SAFETY IMPROVEMENTS ON FUEL ROD BEHAVIOR BECAUSE OF AXIAL FISSION GAS TRANSPORT MODELING M.T. del Barrio, L.E. Herranz, Unit of Nuclear Safety Research, CIEMAT, Spain</p> <p>A4-072 AREVA-CERCA 10 YEARS LICENCE FOR FUEL FABRICATION E. Torlini, T. Pin, AREVA-CERCA, France</p>
12:30 - 13:30	Lunch	
13:30 –14:30	<p>Invited Lectures CONFERENCE HALL - SECTION 1 Towards European Regulation for Existing NPPs: Contribution of Nuclear Licensees B. Fourest, (EdF) Global Safety Regime M. Modro (IAEA))</p>	
14:30 –15:30	<p>Panel and Closure CONFERENCE HALL - SECTION 1 Nuclear Safety Technology: Where We Are? Panelists: Chairmen F. D'Auria, N. Cavlina (Research); N. Popov (Industry), M. Modro (International), F. Pelayo (Regulatory)</p>	