



PROGRAMME

Sunday 21 March 2010

17.00 – 19.00 **Pre-registration**

18.30 – 19.00 **Welcome Drink**

Monday 22 March 2010

All day Plenary Session

9.00 – 9.30

Opening Session

Welcome Addresses

- S. San Antonio, Secretary General of the European Nuclear Society
- K. El Mediouri, Director General, CNESTEN

Session I – International Programmes

Part 1 - Chairman: E. Koonen, SCK

Co-Chairman: A. Boufraquech, CNESTEN

9.30 – 9.50

ACHIEVEMENT OF THE MOROCCAN NUCLEAR RESEARCH CENTRE

Marfak, T. (1)
1 - CNESTEN, Morocco

9.50 – 10.10

CHINESE PROGRAMS ON HIGH TEMPERATURE GAS COOLED REACTORS

Jiang, S. (1)
1 - Institute of Nuclear and New Energy Technology (INET), Tsinghua Univ., China

10.10 – 10.30

THE NNSA GLOBAL THREAT REDUCTION INITIATIVE'S EFFORTS TO MINIMIZE THE USE OF HIGHLY ENRICHED URANIUM FOR MEDICAL ISOTOPE PRODUCTION

Staples, P. (1)
1 - National Nuclear Security Administration (NNSA), United States

10.30 – 10.50

THE JULES HOROWITZ REACTOR PROJECT

Iracane, D. (1); Lemoine, P. (1); Gonner, C. (2); Bignan, G. (2)
1 - CEA Saclay, France
2 - CEA Cadarache, France

10.50 – 11.20 Coffee Break



Session I – International Programmes

Part 2 - Chairman: E. Koonen, SCK

Co-Chairman: A. Boufraquech, CNESTEN

11.20 – 11.40	RESEARCH REACTOR COALITIONS – THIRD YEAR PROGRESS REPORT	Adelfang, P. (1); Goldman, I. (1); Alldred, K. (2) 1 - International Atomic Energy Agency, Austria 2 - International Nuclear Enterprise Group, LLC, United States
11.40 – 12.00	US PROGRESS IN LEU FUEL DEVELOPMENT	Wachs, D. (1) 1 - Idaho National Laboratory, United States
12.00 – 12.20	2010 NATIONAL PROGRESS REPORT ON R&D ON LEU FUEL AND TARGET TECHNOLOGY IN ARGENTINA	Cristini, P. (1); Gonzalez, A. (1); Gonzalez, R. (1); Hermida, D. (1); López, M. (1); Mirandou, M. (1); Taboada, H. (1); Blaumann, H. (1); Balart, S. (1) 1 - CNEA, Argentina
12.20 – 12.40	FOREIGN RESEARCH REACTOR URANIUM SUPPLY PROGRAM: THE Y-12 NATIONAL SECURITY COMPLEX PROCESS	Nelson, T. (1); Eddy, B. (2) 1 - B&W Technical Services Y-12, L.L.C., United States 2 - National Nuclear Security Administration Y-12 Site Office, United States
12.40 – 13.00	THE UNITED STATES FOREIGN RESEARCH REACTOR (FRR) SPENT NUCLEAR FUEL (SNF) ACCEPTANCE PROGRAM: 2010 UPDATE	Messick, C. E. (1); Taylor, J. L. (1); Niehus, M. T. (1) 1 - Foreign Research Reactor Spent Nuclear Fuel Acceptance Program, U.S. Department of Energy, United States

13.00 – 14.00 Lunch

Session II – Nuclear Fuel Cycle

Part 1 - Chairman: J. Wade, U.S. Department of Energy

14.00 – 14.20	EFFECT OF THE ADDITION OF A THIRD ELEMENT IN GAMMA (U-MO) FUEL ON THE INTERDIFFUSION PROCESSES IN U-MO/AL AND U-MO/AL-SI SYSTEMS	Allenou, J. (1); Iltis, X. (1); Charollais, F. (1); Anselmet, M. C. (1); Tougaït, O. (2); Pasturel, M. (2); Lemoine, P. (3) 1 - CEA, DEN, DEC, Cadarache, France 2 - Sciences Chimiques de Rennes, UMR-CNRS, Université de Rennes, France 3 - CEA, DEN, DISN, Saclay, France
14.20 – 14.40	SWELLING AT THE FUEL EDGES OF IRRADIATED RESEARCH REACTOR PLATES	Röhrmoser, A. (1); Petry, W. (1) 1 - Technical University Munich, FRM II, Germany
14.40 – 15.00	PARAMETRIC STUDY OF FISSION-INDUCED U-MO FUEL CREEP AND STRUCTURAL ANALYSIS OF FUEL PLATES IN VIEW OF IMPLICATIONS FOR MICROSTRUCTURE EVOLUTION IN FUEL PLATES	Kim, Y. S. (1); Hofman, G. (1); Choo, Y. S. (1); Robinson, A. (2) 1 - Argonne National Laboratory, United States 2 - Idaho National Laboratory, United States



15.00 – 15.20	SELENIUM FUEL : SURFACE ENGINEERING OF U(MO) PARTICLES TO OPTIMISE FUEL PERFORMANCE	Van den Berghe, S. (1); Leenaers, A. (1); Detavernier, C. (2) 1 - SCK-CEN, Belgium 2 - University of Ghent, Belgium
15.20 – 15.40	INVESTIGATION OF ALTERNATIVES TO SILICON AS STABILIZING ELEMENTS FOR U-MO/AL DISPERSION FUEL	Hofman, G. (1); Kim, Y. S. (1); Wiencek, T. (1) 1 - Argonne National Laboratory, United States
15.40 – 16.00 Coffee Break		
Session II – Nuclear Fuel Cycle		
Part 2 - Chairman: P. Lemoine, CEA		
16.00 – 16.20	SEM CHARACTERIZATION OF AN IRRADIATED MONOLITHIC U-10MO FUEL PLATE	Keiser, jr., D. (1); Jue, J.-F. (1); Robinson, A. (1) 1 - Idaho National Laboratory, United States
16.20 – 16.40	QUALIFICATION PROGRAM FOR THE RJH FUEL ELEMENTS	Anselmet, M.-C. (1); Lemoine, P.-M. (2); Koonen, E. (3); Benoit, P. (3); Gouat, P. (3); Claes, W. (3); Geens, F. (3); Brisson, S. (4); Miras, G. (4) 1 - CEA, DEN, Cadarache, France 2 - CEA, DEN, Saclay, France 3 - SCK-CEN, Belgium 4 - AREVA-TA, France
16.40 – 17.00	EPMA OF GROUND UMO FUEL WITH AND WITHOUT SI ADDED TO THE MATRIX, IRRADIATED TO HIGH BURN UP	Leenaers, A. (1); Van den Berghe, S. (1); Charollais, F. (2); Lemoine, P. (3); Jarousse, C. (4); Röhrmoser, A. (5); Petry, W. (5) 1 - SCK-CEN, Belgium 2 - CEA-Cadarache, DEN/DEC, France 3 - CEA-Saclay, DEN/DISN, France 4 - AREVA-CERCA, France 5 - Technische Universität München, Germany
17.00 – 17.20	AN ASSESSMENT OF SAFETY MARGINS FOR STABLE SWELLING OF U-MO ALLOY FUEL	Rest, J. (1) 1 - Argonne National Laboratory, United States
17.20 – 17.40	SUMMARY OF 'AFIP' FULL SIZED PLATE IRRADIATIONS IN THE ADVANCED TEST REACTOR	Robinson, A. (1); Wachs, D. (1); Chang, G. (1) 1 - Idaho National Laboratory, United States
17.40 – 18.00	CHARACTERIZATION OF AN IRRADIATED RERTR-7 FUEL PLATE USING TRANSMISSION ELECTRON MICROSCOPY	Gan, J. (1); Keiser, D. (1); Robinson, A. (1); Medvedev, P. (1); Miller, B. (2) 1 - Idaho National Laboratory, United States 2 - University of Wisconsin, United States
AREVA – CEA DINNER		



Tuesday 23 March 2010

Morning: 2 Parallel Sessions (II – Part 3 and 4, III – Part 1 and 2)

Session II - Nuclear Fuel Cycle

Part 3 - Chairman: D. Wachs, Idaho National Laboratory

8.50 – 9.10	ESTABLISHING A LEU FUEL MANUFACTURING FACILITY IN SOUTH AFRICA	Kocher, A. (1); Jamie, R. (2) 1 - AREVA, France 2 - NECSA, South Africa
9.10 – 9.30	RE-QUALIFICATION OF MTR-TYPE FUEL PLATES FABRICATION PROCESS	Elseaidy, I. M. (1); Ghoneim, M. M. (1) 1 - ETRR-2, Nuclear Research Center, Atomic Energy Authority, Egypt
9.30 – 09.50	CORE MANAGEMENT AND FULL CORE CONVERSION STATUS OF THE DALAT NUCLEAR RESEARCH REACTOR	Pham, V. L. (1); Nguyen, N. D. (1); Luong, B. V. (1); Le, V. V. (1); Huynh, T. N. (1); Nguyen, K. C. (1) 1 - Nuclear Research Institute, Vietnam
09.50 – 10.10	STUDY OF HEAVY ION IRRADIATED UMO/AL MINIPLATES: SI AND BI ADDITIONS INTO AL AND UMO GROUND POWDERS	Jungwirth, R. (1); Breikreutz, H. (1); Petry, W. (1); Schmid, W. (1); Palancher, H. (2); Martin, P. (2); Sabathier, C. (2); Anselmet, M. C. (2); Charollais, F. (2); Lemoine, P. (2); Jarousse, C. (3) 1 - FRM II Technische Universität München, Germany 2 - CEA, DEN, DEC, France 3 - AREVA-CERCA, France
10.10 – 10.30	FULL SIZE U10MO MONOLITHIC FUEL FOIL AND FUEL PLATE FABRICATION-TECHNOLOGY DEVELOPMENT	Moore, G. (1); Jue, J. F. (1); Rabin, B. (1); Nilles, M. (2) 1 - Idaho National Laboratory, United States 2 - Babcock & Wilcox Nuclear Operations Group, United States
10.30 – 10.50	SUBSOLIDUS PHASE RELATIONS IN THE U-ZR-AL TERNARY SYSTEM	Tougait, O. (1); Désévéday, F. (1); Noël, H. (1); Dubois, S. (2); Charollais, F. (2) 1 - SCR/SCM, Université de Rennes, France 2 - CEA/Cadarache, DEN/DEC, France

↓ **Parallel sessions** ↑

Session III – Utilisation of Research Reactors

Part 1 - Chairman: I. Vidovszky, AEKI

8.50 – 9.10	EDUCATION AND TRAINING IN NUCLEAR ENERGY: STATE OF ART, NEEDS AND FUTURE STRATEGIES	Boeck, H. (1) 1 - Vienna University of Technology/Atominstut, Austria
9.10 – 9.30	UTILIZATION OF SLOVENIAN TRIGA MARK II REACTOR	Snoj, L. (1); Smodiš, B. (1); Kavšek, D. (1) 1 - Jožef Stefan Institute, Slovenia
9.30 – 09.50	STATUS OF THE U.S. DOMESTIC REACTOR CONVERSION PROGRAM	Woolstenhulme, E. (1); Hewit, D. (1) 1 - Idaho National Laboratory, United States



09.50 – 10.10	EXTENSIVE UTILIZATION OF VR-1 REACTOR FOR NUCLEAR EDUCATION AND TRAINING	Rataj, J. (1) 1 - Czech Technical University, Czech Republic
10.10 – 10.30	SELF-SUSTAINABILITY OF A RESEARCH REACTOR FACILITY WITH NEUTRON ACTIVATION ANALYSIS	Kennedy, G. (1); Chilian, C. (1) 1 - Ecole Polytechnique de Montreal, Canada
10.30 – 10.50	MEDICAL AND RADIOBIOLOGICAL APPLICATIONS AT THE RESEARCH REACTOR TRIGA MAINZ	Schütz, C. (1); Werner, S. (1); Hampel, G. (1); Grunewald, C. (1); Kratz, J.-V. (1); Schmitz, T. (1); Appelman, K. (2); Moss, R. (2); Blaickner, M. (3); Nawroth, T. (4); Otto, G. (5); Schmidberger, H. (6) 1 - Institute for Nuclear Chemistry, University of Mainz, Germany 2 - Institute for Energy, Joint Research Centre , Netherlands 3 - Molecular Medicine, Health & Environment Department, AIT Austrian Institute of Technology GmbH, Austria 4 - Department of Pharmacy and Toxicology, University of Mainz, Germany 5 - Department of Hepatobiliary, Pancreatic and Transplantation Surgery, University of Mainz, Germany 6 - Department of Radiooncology, University of Mainz, Germany
10.50 – 11.20 Coffee Break		
Session II - Nuclear Fuel Cycle		
Part 4 - Chairman: W. Petry, TU Munich		
11.20 – 11.40	LANTHANIDE BASED CONVERSION COATINGS FOR LONG TERM WET STORAGE OF AL-CLAD SPENT FUEL.	Ramanathan, L. (1); Fernandes, S. M. (1); De Souza, J. A. (1); Correa, O. V. (1) 1 - Instituto de Pesquisas Energéticas e Nucleares - IPEN, Brazil
11.40 – 12.00	RESEARCH REACTOR PREPARATIONS FOR THE AIR SHIPMENT OF HIGHLY ENRICHED URANIUM FROM ROMANIA	Allen, K. (1); Bolshinsky, I. (1); Biro, L. (2); Budu, M. (2); Zamfir, N. (3); Dragusin, M. (3); Paunoiu, C. (4); Ciocanescu, M. (4) 1 - Idaho National Laboratory, United States 2 - National Commission for Nuclear Activities Control, Romania 3 - Horia Hulubei National Institute of Physics and Nuclear Engineering, Romania 4 - Institute for Nuclear Research, Romania
12.00 – 12.20	IAEA'S SAFETY REVIEW OF VINCA'S SPENT FUEL REPACKAGING OPERATION	Boogaard, J. (1); Abou Yehia, H. (1); Niciu, A. (1) 1 - IAEA, Austria



12.20 – 12.40	FIRST EXPERIENCE IN INTERNATIONAL AIR TRANSPORTATION OF RR SFA IN RUSSIAN-MADE TUK-19 CASKS.	Kanashov, B. (1); Komarov, S. (1); Smirnov, A. (1); Barinkov, O. (1); Dorofeev, A. (1); Biro, L. (2); Budu, M. (2); Ciocanescu, M. (3) 1 - R&D Company "Sosny", Russian Federation 2 - CNCAN, Romania 3 - INR Pitesti, Romania
12.40 – 13.00	MULTI-MODAL SHIPMENTS UNDER PROGRAM ON RUSSIAN-ORIGIN RESEARCH REACTOR SFA RETURN TO RUSSIAN FEDERATION	Dorofeev, A. (1); Ivashchenko, A. (1); Kanashov, B. (1); Komarov, S. V. (1); Komarov, S. N. (1); Barinkov, O. (1) 1 - R&D Company "Sosny", Russian Federation
13.00 – 13.20	LESSONS LEARNED FROM 50 YEARS STORAGE OF THE SPENT FUEL FROM NUCLEAR RESEARCH REACTOR VVR-S	Mitica, D. (1) 1 - National Institute of Physics and Nuclear Engineering - Horia Hulubei IFIN - HH, Romania
↓ Parallel sessions ↑		
Session III – Utilisation of Research Reactors		
Part 2 - Chairman: G. Hampel, University of Mainz		
11.20 – 11.40	IMPROVEMENT OF RESEARCH REACTOR SUSTAINABILITY	Ciocanescu, M. (1); Paunoiu, C. (1); Barbos, D. (1); Toma, C. (1); Preda, M. (1); Ionila, M. (1) 1 - Institute for Nuclear Research Pitesti-Romania, Romania
11.40 – 12.00	THE IAEA ACTIVITIES TOWARDS ENHANCED UTILISATION, SUSTAINABILITY AND APPLICATIONS OF RESEARCH REACTORS	Ridikas, D. (1); Adelfang, P. (1); Alldred, K. (1); Bradley, E. E. (1); Goldman, I. N. (1); Khvan, A. (1); Mank, G. (1); Peld, N. (1) 1 - International Atomic Energy Agency, Austria
12.00 – 12.20	U-TARGET IRRADIATION AT FRM II AIMING THE PRODUCTION OF MO-99 - A FEASIBILITY STUDY	Gerstenberg, H. (1); Müller, C. (1); Röhrmoser, A. (1); Neuhaus, I. (1) 1 - Technische Universität München, FRM II, Germany
12.20 – 12.40	MO-99 SUPPLY ISSUES : STATUS REPORT AND LESSONS LEARNED	Ponsard, B. (1) 1 - SCK.CEN - BR2 REACTOR, Belgium
12.40 – 13.00	THE ROLE OF THE ADVANCED TEST REACTOR NATIONAL SCIENTIFIC USER FACILITY IN DEVELOPING THE NUCLEAR RESEARCH WORKFORCE	Marshall, F. (1); Allen, T. (1); Meyer, M. (1); Benson, J. (1) 1 - Idaho National Laboratory, United States
13.00 – 13.20	CHARACTERIZATION OF TYPICAL IRRADIATION CHANNELS OF TRIGA MARK II RESEARCH REACTOR IN RABAT (MOROCCO) USING THE K0-METHOD OF NAA	Bounouira, H. (1); Embarch, K. (1); Bounakhla, M. (1); Amsil, H. (1); Jacimovich, R. (2) 1 - Centre National de l'Énergie, des Sciences et des Techniques Nucléaires (CNESTEN), Morocco 2 - Jozef Stefan Institute, Ljubljana, Slovenia
13.20 – 14.10 Lunch		



14.10 – 15.00	Poster Session – Possibility to discuss with authors <i>Posters are listed on page 13 to 15 of this programme</i>
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Afternoon: 2 Parallel Sessions (IV – Part 1 and 2, V – Part 1 and 2)

Session IV Innovative Methods in Research Reactor Analysis and Design Part I – Chairman: T. van der Hagen, TU Delft
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15.00 – 15.20	NEUTRONICS ANALYSIS OF THE CURRENT CORE OF THE TRIGA MARK II REACTOR VIENNA	Khan, R. (1); Karimzadeh, S. (1); Böck, H. (1); Villa, M. (1) 1 - Vienna University of Technology /Atominsttute, Austria
15.20 – 15.40	APPLICATION OF RELAP/SCDAPSIM WITH INTEGRATED UNCERTAINTY OPTIONS TO RESEARCH REACTOR SYSTEM THERMAL HYDRAULIC ANALYSIS	Perez, M. (1); Reventos, F. (1); Allison, C. (2); Hohorst, J. (2) 1 - Technical University of Catalonia, Spain 2 - Innovative System Software, United States
15.40 – 16.00	THE STUDY OF TIME-DEPENDENT NEUTRONICS PARAMETERS OF THE 2MW TRIGA MARK II MOROCCAN RESEARCH REACTOR USING BUCAL1 COMPUTER CODE	El Bakkari, B. (1); Nacir, B. (1); El Younoussi, C. (1); Boulaich, Y. (1); Riyach, I. (1); Otmani, S. (1); Marrich, I. (1); Elhachmi, B. (1); El Bardouni, T. (2); Meroun, O. (2); Boukha, H. (2); Zoubair, M. (2); Htet, A. (3); El Mahjoub, C. (4) 1 - Reactor Operating Unit (UCR), National Centre of Sciences, Energy and Nuclear Techniques (CNESTEN/CENM), Morocco 2 - b ERSN-LMR, Department of Physics, Faculty of Sciences, Morocco 3 - Reactor Technology Unit (UTR), National Centre of Sciences, Energy and Nuclear Techniques (CNESTEN/CENM), Morocco 4 - EPTN-LPMR, Faculty of Sciences, Morocco
16.00 – 16.20	DEVELOPMENT OF A NUMERICAL TOOL FOR SAFETY ASSESSMENT AND EMERGENCY MANAGEMENT OF EXPERIMENTAL REACTORS	Maas, L. (1); Beuter, A. (1); Seropian, C. (1) 1 - Institut de Radioprotection et de Sûreté Nucléaire (IRSN), France

↓ **Parallel sessions** ↑

Session V - Research Reactor Operation and Maintenance and Ageing Part 1 - Chairman: V. Broz, NRI Rez
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15.00 – 15.20	RENEWAL OF THE OPERATING LICENCE AND UPGRADING THE REACTOR FOR CONTINUING AND IMPROVED SERVICE OF THE FIR 1 INTO THE 2020'S	Auterinen, I. (1); Salmenhaara, S. (1) 1 - VTT Technical Research Centre of Finland, Finland
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15.20 – 15.40	KEEPING RESEARCH REACTORS RELEVANT: A PRO-ACTIVE APPROACH FOR SLOWPOKE-2	Cosby, L. (1); Bennett, L. G. I. (2) 1 - Nova Nuclear Support Inc., Canada 2 - Royal Military College of Canada, Canada
15.40 – 16.00	RELIABILITY DATABASE OF IEA-R1 BRAZILIAN RESEARCH REACTOR: APPLICATIONS TO THE IMPROVEMENT OF INSTALLATION SAFETY	Oliveira, P. (1); Tondin, J. (1); Martins, M. (1); Ricci Filho, W. (1); Yovanovich, M. (1) 1 - NUCLEAR AND ENERGY RESEARCH INSTITUTE, IPEN-CNEN/SP, Brazil
16.00 – 16.20	OPERATION AND MAINTENANCE RELATED ISSUES DURING 47 YEARS OF OPERATION	Villa, M. (1); Böck, H. (1); Steinhauser, G. (1); Stoiber, W. (1) 1 - Vienna University of Technology, Atominstytut, Austria
16.20 – 16.40 Coffee Break		
Session IV - Innovative Methods in Research Reactor Analysis and Design Part 2 - Chairman: A. Borio di Tigliole, Universita degli Studi de Pavia		
16.40 – 17.00	MODELING IR-8 RESEARCH REACTOR OF RRC KI FOR PRECISION NEUTRONICS CALCULATIONS	Nasonov, V. (1); Alekseev, N. (1); Erak, D. (1); Kochkin, V. (1); Oleynik, D. (1) 1 - RUSSIAN RESEARCH CENTER «KURCHATOV INSTITUT» RRC KI, Russian Federation
17.00 – 17.20	COUPLED 3D NEUTRONIC AND THERMOHYDRAULIC CALCULATIONS FOR A COMPACT FUEL ELEMENT WITH DISPERSE UMO FUEL AT FRM II	Breitkreutz, H. (1); Röhrmoser, A. (1); Petry, W. (1) 1 - Forschungsneutronenquelle Heinz Maier-Leibnitz, Technische Universität München, Germany
17.20 – 17.40	NEUTRONIC DESIGN OF SMALL REACTORS	Lamoine, L. (1); Chabert, L. (1); Bonaccorsi, T. (1); Boyard, M. (1); Lefevre, E. (1); Piela, J. (1) 1 - AREVA TA, France
17.40 – 18.00	RELAP ANALYSIS OF THE BR2 LOSS OF FLOW TEST A	Tzanos, C. (1); Dionne, B. (1); Matos, J. (1) 1 - Argonne National Laboratory, United States
↓ Parallel sessions ↑		
Session V - Research Reactor Operation and Maintenance and Ageing Part 2 - Chairman: E. Bradley, IAEA		
16.40 – 17.00	AGEING MANAGEMENT FOR RESEARCH REACTORS	Shokr, A. (1); Abou Vehia, H. (1) 1 - Research Reactor Safety Section, Division of Nuclear Installation Safety, IAEA, Austria



17.00 – 17.20	DESIGN OF AN INSPECTION PROGRAM FOR RESEARCH REACTORS THAT PROVIDE ACCEPTABLE PROTECTION OF THE HEALTH AND SAFETY OF THE PUBLIC	Isaac, P. (1) 1 - U.S. Nuclear Regulatory Commission, United States
17.20 – 17.40	FINDINGS FROM WORKING FOR THE IAEA INITIATIVE ON RESEARCH REACTOR AGEING AND AGEING MANAGEMENT	Roegler, H.-J. (1) 1 - Independent Consultant contracted by the IAEA for the work reported on, Germany
17.40 – 18.00	RESEARCH REACTOR SAFETY REVIEW MISSIONS: A HISTORICAL REVIEW OF RESULTS AND FUTURE TRENDS	Abou Yehia, H. (1); Shokr, A. (1); Winfield, D. (1) 1 - International Atomic Energy Agency, Vienna, Austria
CONFERENCE DINNER		



Wednesday 24 March 2010

Session VI

New Research Reactor Projects

Part 1 - Chairman: P. Adelfang, IAEA

9.00 – 9.20	JHR(JULES HOROWITZ REACTOR) PROJECT, THE RENAISSANCE DRIVER FOR THE RESEARCH REACTOR COMMUNITY	Cavailler, C. (1); Pascal, C. (1); Pere, P. (1) 1 - AREVA TA , France
9.20 – 9.40	A SUSTAINABILITY ANALISYS OF THE BRAZILIAN MULTIPURPOSE REACTOR PROJECT	Perrotta, J. A. (1); Obadia, I. J. (1) 1 - Brazilian Commission of Nuclear Energy, Brazil
9.40 – 10.00	VALIDATION OF STRUCTURAL DESIGN OF JHR FUEL ELEMENT	Brisson, S. (1); Miras, G. (1); Marelle, V. (2); Anselmet, M.-C. (2); Lemoine, P. (2); Le Bourdonnec, L. (3) 1 - AREVA TA, France 2 - CEA, France 3 - AREVA NP, France
10.00 – 10.20	SAFETY INFRASTRUCTURE FOR COUNTRIES ESTABLISHING THEIR FIRST RESEARCH REACTOR	Abou Yehia, H. (1); Shokr, A. (1) 1 - Research Reactor Safety Section, Division of Nuclear Installation Safety, IAEA, Austria

10.20 – 10.40 Coffee Break

Session VI

New Research Reactor Projects

Part 2 - Chairman: A. Lyoussi, CEA

10.40 – 11.00	THE PALLAS RESEARCH AND ISOTOPE REACTOR PROJECT STATUS	Van der Schaaf, B. (1); De Jong, P. (1) 1 - Pallas Project Organisation, NRG, Netherlands
11.00 – 11.20	REVISITING HOMOGENEOUS SUSPENSION REACTORS FOR PRODUCTION OF RADIOISOTOPES.	Pasqualini, E. E. (1) 1 - Atomic Energy National Commission (CNEA), Argentina
11.20 – 11.40	CREATION OF NUCLEAR RESEARCH CENTERS IN NEW ENTRANT COUNTRIES	Monnet, F. (1) 1 - AREVA TA, France
11.40 – 12.00	PARTIAL DISMANTLING ACTIVITIES PRIOR TO THE REFURBISHMENT OF THE IRT RESEARCH REACTOR IN SOFIA	Apostolov, T. (1); Anastassov, V. (1); Anastasova, E. (1) 1 - Institute for Nuclear Research and Nuclear Energy, Bulgaria

12.00 – 12.30 Closing Session

Conclusion of Sessions presented by Chairpersons

Chairman: E. Koonen, SCK

12.30 – 13.30 Lunch



Monday 22 – Wednesday 24 March

Poster Session

RRFM2010-A0001	FULL INSTANTANEOUS TRAVERSAL RUPTURE OF THE PRIMARY LOOP PIPELINE	Baytelesov, S. (1); Kungurov, F. (1) 1 - Institute of Nuclear Physics of Academy of Sciences of Republic of Uzbekistan, Uzbekistan
RRFM2010-A0005	POWDERING DUCTILE U-MO ALLOYS FOR NUCLEAR DISPERSION FUELS	Durazzo, M. (1); Rocha, C. J. (1); Mestrik Filho, J. (1); Leal Neto, R. M. (1) 1 - Nuclear and Energy Research Institute - IPEN-CNEN/SP, Brazil
RRFM2010-A0006	QUANTITATIVE DETERMINATION OF CRYSTALLINE PHASES IN THE SILICIDE FUEL BY THE RIETVELD METHOD	Kniess, C. T. (1); Urano de Carvalho, E. F. (1); Durazzo, M. (1); Riella, H. G. (2) 1 - Nuclear and Energy Research Institute - IPEN/CNEN-SP, Brazil 2 - National Institute of Science and Technology for Innovating Nuclear Reactors, Brazil
RRFM2010-A0015	NEW TRENDS IN NUCLEAR FUEL EXPERIMENTAL IRRADIATION. MODERN CONTROL AND ACQUISITION OF THE IRRADIATION DATA	Preda, M. (1); Ciocanescu, M. (1); Ana, E. M. (1) 1 - Institute for Nuclear Research Pitesti, Romania
RRFM2010-A0030	REPROCESSING OF RESEARCH REACTOR NUCLEAR FUEL BASED ON PYROCHEMICAL SEPARATIONS TECHNIQUE	Norbash, K. (1); Wachs, D. (1); Herrmann, S. (1) 1 - Idaho National Laboratory, United States
RRFM2010-A0048	CERMET FUEL NEUTRONIC ANALYSES FOR PFPWR50 LONG LIFE SMALL SIZED REACTOR CONCEPT	Amsil, H. (1); Chetaine, A. (1); Benchrif, A. (1); Hirayama, T. (2); Shimazu, Y. (2) 1 - Reactor Physics Group, LPNR Department of Physics, FSR, Mohammed V University, Morocco 2 - Department of Nuclear engineering, Hokkaido University, Japan
RRFM2010-A0049	RADIATION SURVEY AND PREPARING FOR THE DECOMMISSIONING OF RESEARCH REACTOR MR, RRC "KURCHATOV INSTITUTE"	Volkov, V. (1); Volkovich, A. (1); Danilovich, A. (1); Zverkov, Y. (1); Kolyadin, V. (1); Lemus, A. (1); Pavlenko, V. (1); Semenov, S. (1); Smirnov, S. (1); Chesnokov, A. (1); Shisha, A. (1) 1 - RRC "Kurchatov Institute", Russian Federation
RRFM2010-A0058	ANALYSIS OF THE CREOLE EXPERIMENT ON THE REACTIVITY TEMPERATURE COEFFICIENT USING THE MCNP5 CODE WITH ENDF/B-VII AND JEFF3.1 NEUTRON CROSS SECTION EVALUATIONS	Boulaich, Y. (1); El Bardouni, T. (1); El Younoussi, C. (1); El Yakkari, B. (1); Boukhal, H. (1); Zoubir, M. (1); Bouzekri, N. (2); Erradi, L. (3); Santamarina, A. (3); Chakir, E. M. (4) 1 - Radiations and Nuclear Systems Laboratory, University Abdelmalek Essaadi, Morocco 2 - CEN-Maamora, CNESTEN, Morocco 3 - DRN/DER/SPRC/LEPH, CEA, France 4 - EPTN-LPMR, Faculty of Sciences, Morocco



RRFM2010-A0063	ADVANCES IN THE STUDY OF VERY HIGH DENSITY FUELS IN CNEA	López, M. (1); González, R. (1); González, A. (1); Taboada, H. (1) 1 - CNEA, Argentina
RRFM2010-A0073	A NEUTRONIC ASSESSMENT OF THE NEW SPHERICAL CERMETS FUEL CONCEPT FOR THE BWR-PB REACTOR	Benchrif, A. (1); Chetaine, A. (1); Amsil, H. (1); Bounakhla, M. (2) 1 - Physic Reactors Group, Department of Physics, Faculty of Sciences, Morocco 2 - Centre National de l'Energie, des Sciences et des Techniques Nucléaires (CNESTEN), Morocco
RRFM2010-A0077	TENSILE TESTS ON MONOLITHIC SAMPLES	Dirndorfer, S. (1); Schmid, W. (1); Jungwirth, R. (1); Breittkreutz, H. (1); Petry, W. (1); Jarousse, C. (2); Hirsch, M. (3) 1 - Forschungneutronenquelle Heinz Maier-Leibnitz (FRM II), Technische Universität München, Germany 2 - AREVA CERCA, France 3 - Lehrstuhl für Umformtechnik und Gießereiwesen (utg), Technische Universität München, Germany
RRFM2010-A0090	QUANTIFICATION OF SECONDARY SOURCES DURING EXPERIMENTS IN THE CENM RESEARCH REACTOR CORE	Elmorabiti, A. (1) 1 - CNESTEN/PSS, Morocco
RRFM2010-A0091	EXTENSION OF ITERATIVE METHOD FOR STUDY OF NEUTRON FLUX SYMMETRY IN CENM RESEARCH REACTOR CELL	Elmorabiti, A. (1); Jehouani, A. (2) 1 - CNESTEN/PSS, Morocco 2 - Reactor Physics Team-EPRA Department of physics , Faculty of sciences Semlalia, Morocco
RRFM2010-A0092	DEVELOPMENT A EQUIVALENT NUCLIDE MODEL (ENM-2) FOR THE RESONANT NUCLIDES: APPLICATION TO THE CENM TRIGA FUEL	Elmorabiti, A. (1) 1 - CNESTEN /PSS, Morocco
RRFM2010-A0096	AN INFLUENCE OF BURN-UP ON A DEVELOPMENT OF GAS POROSITY IN U-MO FUEL	Golosov, O. A. (1); Averin, S. A. (1); Panchenko, V. L. (1); Lyutikova, M. S. (1) 1 - Institute of Nuclear Materials , Russian Federation
RRFM2010-A0099	TRANSMISSION ELECTRON MICROSCOPY INVESTIGATION OF UALX BASED MTR FUEL	Van Renterghem, W. (1); Leenaers, A. (1); Van den Berghe, S. (1) 1 - SCK•CEN, Nuclear Materials Science Institute, Belgium
RRFM2010-A0103	COOLING AND RADIATION SAFETY CONTROL REQUIREMENTS FOR SAFE STORAGE OF LEU WWR-M EXPERIMENTAL FUEL ASSEMBLIES	Orlov, S. (1); Konoplev, K. (1); Zakharov, A. (1); Totev, T. (2) 1 - Petersburg Nuclear Physics Institute (PNPI), Russian Federation 2 - ANL, United States
RRFM2010-A0104	APPLICATION OF THE MODIFIED NEUTRON SOURCE MULTIPLICATION METHOD FOR A MEASUREMENT OF SUB-CRITICALITY IN AGN-201K REACTOR	Kim, M.-H. (1) 1 - Kyung Hee University Reactor Research and Education Center, Korea, Republic of
RRFM2010-A0107	QUALIFICATION PROCESS OF DISPERSION FUELS IN THE IEA-R1 RESEARCH REACTOR	Teixeira e Silva, A. (1); Borges Domingos, D. (1); Rosa da Silva, J. E. (1) 1 - IPEN-CNEN/SP, Brazil
RRFM2010-A0110	PERFORMANCE EVALUATION OF THE R6R018 FUEL PLATE USING PLATE CODE	Medvedev, P. (1) 1 - Idaho National Laboratory, United States



RRFM2010-A0111	STRUCTURAL BEHAVIOUR OF MONOLITHIC FUEL PLATES DURING HOT ISOSTATIC PRESSING AND ANNEALING	Ozaltun, H. (1); Medvedev, P. (2) 1 - Ohio State University, United States 2 - Idaho National Laboratory, United States
RRFM2010-A0113	CONVERSION OF REACTOR LVR-15 FROM 36% ENRICHED FUEL BELOW 20% ENRICHMENT	Broz, V. (1); Ernest, J. (1); Koleska, M. (1); Zmitkova, J. (1); Antes, M. (1) 1 - Nuclear Research Institute plc. REZ, Czech Republic
RRFM2010-A0118	DEVELOPMENT OF QUALITY ASSURANCE METHODS FOR LOW ENRICHED FUEL ASSEMBLIES	Moore, G. (1); Perez, D. (1); Wachs, D. (1); Woolstenhulme, N. (1) 1 - Idaho National Laboratory, United States
RRFM2010-A0120	AN INTEGRATED APPROACH TO THE MECHANICAL BEHAVIOR OF U-MO MONOLITHIC FUEL	Okuniewski, M. (1); Wachs, D. (1); Burkes, D. (1); Prabhakaran, R. (1); Rice, F. (1); Brown, D. (2) 1 - Idaho National Laboratory, United States 2 - Los Alamos National Laboratory, United States
RRFM2010-A0123	FOLLOW-UP THE COMMISSIONING OF CENM TRIGA MARK II RESEARCH REACTOR ON SAFETY LEVEL	Jraut, A. (1); Elmorabiti, A. (1) 1 - National Centre on Nuclear Energy, Sciences and Technologies (CNESTEN), Morocco
RRFM2010-A0130	IN CORE INSTRUMENTATION FOR ONLINE NUCLEAR HEATING MEASUREMENTS OF MATERIAL TESTING REACTOR	Reynard, C. (1); Andre, J. (1); Brun, J. (1); Carette, M. (1); Janulyte, A. (1); Merroun, O. (1); Zerega, Y. (1); Lyoussi, A. (2); Bignan, G. (2); Chauvin, J.-P. (2); Fourmentel, D. (2); Glayse, W. (2); Gonnier, C. (2); Guimbal, P. (2); Iracane, D. (2); Villard, J.-F. (2) 1 - Laboratoire Chimie Provence LCP UMR 6264, University of Provence, France 2 - Direction de l'Energie Nucléaire Commissariat à l'Energie Atomique CEA, France
RRFM2010-A0131	PROLONGATION OF THE BOR-60 REACTOR	Izhutov, A. L. (1); Zhemkov, I. Y. (1); Korolkov, A. S. (1); Krasheninnikov, Y. M. (1); Svyatkin, M. N. (1); Bulanova, T. M. (2); Neustroyev, V. S. (2); Povstyanko, A. V. (2) 1 - Research Reactor Complex, JSC "SSC RIAR", Russian Federation 2 - Material Testing Complex, JSC "SSC RIAR", Russian Federation
RRFM2010-A0132	NEW LOOK TO VISUAL INSPECTION OF RESEARCH REACTORS	Andrianov, A. N. (1) 1 - DIAKONT, Russian Federation