



Preliminary PROGRAMME

17.00 – 19.00	Pre-registration
18.30 – 19.00	Welcome Reception
Monday 22 March 2010	
All day Plenary Session	
9.00 – 9.30	Opening Session Welcome Addresses <ul style="list-style-type: none"> - 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 T. Marfak, (CNESTEN) - Morocco
9.50 – 10.10	CHINESE PROGRAMMES ON HIGH TEMPERATURE GAS COOLED REACTORS JIANG Shengyao (Tsinghua University) - 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 P. Staples, (NNSA) – U.S.
10.30 – 10.50	THE JULES HOROWITZ REACTOR PROJECT D. Iracane, P. Lemoine, C.Gonnier, G. Bignan (CEA) - 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 P. Adelfang, I. Goldman (International Atomic Energy Agency) - AUSTRIA; K. Alldred (International Nuclear Enterprise Group) - UNITED STATES
11.40 – 12.00	US PROGRESS IN LEU FUEL DEVELOPMENT D. Wachs (Idaho National Laboratory) - UNITED STATES
12.00 – 12.20	2010 NATIONAL PROGRESS REPORT ON R&D ON LEU FUEL AND TARGET TECHNOLOGY IN ARGENTINA P. Cristini, A. Gonzalez, R. Gonzalez, D. Hermida, M. López, M. Mirandou, H. Taboada, S. Balart (CNEA) - Argentina



12.20 – 12.40	<p>FOREIGN RESEARCH REACTOR URANIUM SUPPLY PROGRAM: THE Y-12 NATIONAL SECURITY COMPLEX PROCESS</p> <p>T. Nelson, B. Eddy, (B&W Technical Services Y-12, L.L.C.; National Nuclear Security Administration Y-12) – U.S.</p>
12.40 – 13.00	<p>UNITED STATES FOREIGN RESEARCH REACTOR (FRR) SPENT NUCLEAR FUEL (SNF) ACCEPTANCE PROGRAM: 2010 UPDATE</p> <p>C. E. Messick, J. L. Taylor, M. T. Niehus, C. Landers (U.S.-Origin Nuclear Remove Program / U.S. Department of Energy, National Nuclear Security Administration) - United States of America</p>
13.00 – 14.00	Lunch
<p>Session II – Nuclear Fuel Cycle</p> <p>Part 1 - Chairman: J. Wade, U.S. Department of Energy</p>	
14.00 – 14.20	<p>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</p> <p>X. Iltis, F. Charollais, M.-C. Anselmet, J. Allenou, (CEA, DEN, DEC, Cadarache) – O. Tougait, M. Pasturel, (Sciences Chimiques de Rennes) – P. Lemoine, (CEA, DEN, DISN, Saclay) - France</p>
14.20 – 14.40	<p>SWELLING AT THE FUEL EDGES OF IRRADIATED RESEARCH REACTOR PLATES AND DERIVATION OF A MINIMUM FUEL BURN UP AREA FOR QUALIFICATION</p> <p>W. Petry, A. Röhrmoser, (Technical University Munich, FRM II) - Germany</p>
14.40 – 15.00	<p>PARAMETRIC STUDY OF FISSION-INDUCED U-MO FUEL CREEP AND STRUCTURAL ANALYSIS OF FUEL PLATES IN VIEW OF IMPLICATIONS FOR MICROSTRUCTURE EVOLUTION</p> <p>Yeon Soo Kim, G.L. Hofman, Y.S. Choo (Argonne National Laboratory) A.B. Robinson / (Idaho National Laboratory) – USA</p>
15.00 – 15.20	<p>SELENIUM FUEL : SURFACE ENGINEERING OF U(MO) PARTICLES TO OPTIMISE FUEL PERFORMANCE</p> <p>S. Van Den Berghe, A. Leenaers (Nuclear Materials Science Institute, Sck•Cen) C. Detavernier (Solid State Sciences, University Of Ghent) - Belgium</p>
15.20 – 15.40	<p>INVESTIGATION OF ALTERNATIVES TO SILICON AS STABILIZING ELEMENTS FOR U-MO/AL DISPERSION FUEL</p> <p>Y.S. Kim, T. Wiencek, G. Hofman, (Argonne National Laboratory) – U.S.</p>
15.40 – 16.00	Coffee Break
<p>Session II – Nuclear Fuel Cycle</p> <p>Part 2 - Chairman: N.N.</p>	
16.00 – 16.20	<p>SEM CHARACTERIZATION OF AN IRRADIATED MONOLITHIC U-10MO FUEL PLATE</p> <p>D. D. Keiser, Jr., J. F. Jue, A. B. Robinson (Idaho National Laboratory) - UNITED STATES M. R. Finlay (Australian Nuclear Science And Technology Organization) – AUSTRALIA</p>



16.20 – 16.40	<p>QUALIFICATION PROGRAM FOR JHR FUEL ELEMENTS: IRRADIATION OF THE FIRST JHR TEST ASSEMBLY IN THE BR2-EVITA LOOP M.-C. Anselmet (CEA, DEN, Cadarache) – P.-M. Lemoine (CEA, DEN, Saclay) – S. Brisson, G. Miras, (AREVA-TA) – France / E. KOONEN, P. BENOIT, P. GOUAT, W. CLAES, F. GEENS (SCK-CEN) - Belgium</p>
16.40 – 17.00	<p>EPMA OF GROUND UMO FUEL WITH AND WITHOUT SI ADDED TO THE MATRIX, IRRADIATED TO HIGH BURN UP S. Van den Berghe – A. Leenaers (SCK-CEN) – Belgium, F. Charollais, (CEA-Cadarache), P. Lemoine (CEA-Saclay), C. Jarousse (AREVA-CERCA) – France, A. Röhrmoser, W. Petry (Technische Universität München) - Germany</p>
17.00 – 17.20	<p>AN ASSESSMENT OF SAFETY MARGINS FOR STABLE SWELLING OF U-MO ALLOY FUEL J. Rest (Argonne National Laboratory) – U.S.</p>
17.20 – 17.40	<p>SUMMARY OF ‘AFIP’ FULL SIZED PLATE IRRADIATIONS IN THE ADVANCED TEST REACTOR D. Wachs, G. Chang, A. Robinson, (Idaho National Laboratory) – U.S.</p>
17.40 – 18.00	<p>CHARACTERIZATION OF AN IRRADIATED RERTR-7 FUEL PLATE USING TRANSMISSION ELECTRON MICROSCOPY J. Gan; D. D. Keiser, Jr.; B. D. Miller; A. B. Robinson; And P. Medvedev (Idaho National Laboratory), – U.S.</p>

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 (tbc)

8.50 – 9.10	<p>ESTABLISHING A LEU FUEL MANUFACTURING FACILITY IN SOUTH AFRICA A. Kocher (AREVA) – France, R. Jamie (NECSA) – South Africa</p>
9.10 – 9.30	<p>RECENT PROGRESS IN PLASMA SPRAYING, CO-ROLLING, PLATE FORMING AND HIP CAN DEVELOPMENT FOR MONOLITHIC FUEL PLATE FABRICATION K. Hollis, D. Alexander, K. Clarke, P. Burgardt, A. Duffield, M. Pena, J. Katz, D. Hammon, A. Clarke, D. Dombrowski (Los Alamos National Laboratory) – U.S.</p>
9.30 – 09.50	<p>CORE MANAGEMENT AND FULL CORE CONVERSION STATUS OF THE DALAT NUCLEAR RESEARCH REACTOR N. D. Nguyen, B.V. Luong, V. V. Le, T. N. Huynh, K. C. Nguyen, V L. Pham (Nuclear Research Institute) – Viet nam</p>
09.50 – 10.10	<p>HEAVY ION IRRADIATION OF SEVERAL KINDS OF UMO/AL SAMPLES W. Petry, W. Schmid, H. Breikreutz, R. Jungwirth (FRM II Technische Universität München,) – Germany, H. Palancher, C. Bertrand-Drira (CEA, DEN, DEC), C. Jarousse (AREVA-CERCA) - France</p>
10.10 – 10.30	<p>FULL SIZE U-10MO MONOLITHIC FUEL FOIL AND FUEL PLATE FABRICATION-TECHNOLOGY DEVELOPMENT</p>



	G. Moore, JF. Jue, B. Rabin (Idaho National Laboratory), M. Nilles (Babcock & Wilcox Nuclear Operations Group) - UNITED STATES
10.30 – 10.50	SUBSOLIDUS PHASE RELATIONS IN THE U–ZR–AL TERNARY SYSTEM F. Désévéday, H. Noël, O. Tougait, (SCR/SCM, Université de Rennes), S. Dubois, F. Charollais (CEA/Cadarache) - 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 H. Boeck (Vienna University of Technology/Atominstytut) – Austria
9.10 – 9.30	UTILIZATION OF SLOVENIAN TRIGA MARK II REACTOR B. Smodiš, D. Kavšek, L. Snoj (Jožef Stefan Institute) - Slovenia
9.30 – 09.50	STATUS OF THE U.S. DOMESTIC REACTOR CONVERSION PROGRAM D. Hewit, E. Woolstenhulme, (Idaho National Laboratory) – U.S.
09.50 – 10.10	EXTENSIVE UTILIZATION OF VR-1 REACTOR FOR NUCLEAR EDUCATION AND TRAINING J. Rataj (Czech Technical University) – Czech Republic
10.10 – 10.30	SELF-SUSTAINABILITY OF A RESEARCH REACTOR FACILITY WITH NEUTRON ACTIVATION ANALYSIS G. Kennedy, C. Chilian (Ecole Polytechnique de Montreal) – Canada
10.30 – 10.50	MEDICAL AND RADIOBIOLOGICAL APPLICATIONS AT THE RESEARCH REACTOR TRIGA MAINZ Gabriele Hampel, Catrin Grunewald, Jens-Volker Kratz, Tobias Schmitz, Christian Schütz, Stephan Werner (Institute for Nuclear Chemistry, University of Mainz) - Germany Klaas Appelman, Raymond Moss (Institute for Energy, Joint Research Centre) - The Netherlands Matthias Blaickner (Molecular Medicine, Health & Environment Department, AIT Austrian Institute of Technology GmbH) Thomas Nawroth (Department of Pharmacy and Toxicology, University of Mainz) - Germany Gerd Otto (Department of Hepatobiliary, Pancreatic and Transplantation Surgery, University Mainz) - Germany Heinz Schmidberger (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 ALUMINIUM-CLAD SPENT FUEL S.M.C.Fernandes, O.V.Correa, J.A.De Souza, L.V.Ramanathan (Instituto de Pesquisas
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	Energéticas e Nucleares - IPEN), - Brazil
11.40 – 12.00	<p>RESEARCH REACTOR PREPARATIONS FOR THE AIR SHIPMENT OF HIGHLY ENRICHED URANIUM FROM ROMANIA</p> <p>I. Bolshinsky, K. J. Allen, (Idaho National Laboratory, Idaho Falls, Idaho) – USA L. L. Biro, M. E. Budu (National Commission for Nuclear Activities Control, Bucharest) – Romania N. V. Zamfir, M. Dragusin (Horia Hulubei National Institute of Physics and Nuclear Engineering, Magurele) – Romania C. Paunoiu, M. Ciocanescu (Institute for Nuclear Research, Pitesti) - Romania</p>
12.00 – 12.20	<p>IAEA'S SAFETY REVIEW OF VINCA'S SPENT FUEL REPACKAGING OPERATION</p> <p>J.P. Boogaard; H. Abou Yehia, A. Nicic (IAEA) - Austria</p>
12.20 – 12.40	<p>FIRST EXPERIENCE IN INTERNATIONAL AIR TRANSPORTATION OF RR SFA IN RUSSIAN-MADE TUK-19 CASKS</p> <p>B. A. Kanashov, O.P. Barinkov, A.N. Dorofeev, S.V. Komarov, A.V. Smirnov (R&D Company "Sosny") – Russia; L. Biro, M. Budu (CNCAN), M. Ciocanescu (INR Pitesti) – Romania</p>
12.40 – 13.00	<p>MULTIMODAL SHIPMENTS UNDER PROGRAM ON RUSSIAN-ORIGIN RESEARCH REACTOR SFA RETURN TO RUSSIAN FEDERATION</p> <p>A.N. Dorofeev, A.A. Ivashchenko, B.A. Kanashov, S.V. Komarov, S.N. Komarov, O.P. Barinkov (R&D Company "Sosny") – Russian Federation</p>
13.00 – 13.20	<p>LESSONS LEARNED FROM 50 YEARS PERIOD THE STORAGE OF THE SPENT FUEL FROM NUCLEAR RESEARCH REACTOR VVR-S</p> <p>M. Dragusin (Horia Hulubei National Institute of Physics and Nuclear Engineering, Magurele) - Romania</p>
↓ Parallel sessions ↑	
<p>Session III – Utilisation of Research Reactors</p> <p>Part 2 - Chairman: G. Hampel, University of Mainz</p>	
11.20 – 11.40	<p>IMPROVEMENT OF RESEARCH REACTOR SUSTAINABILITY</p> <p>M. Ciocanescu, C. Paunoiu, C. Toma, M.Preda, M.Ionila (Institute for Nuclear Research Pitesti-Romania) - Romania</p>
11.40 – 12.00	<p>THE IAEA ACTIVITIES TOWARDS ENHANCED UTILISATION, SUSTAINABILITY AND APPLICATIONS OF RESEARCH REACTORS</p> <p>D. Ridikas, P. Adelfang, K. Alldred, E.E. Bradley, I.N. Goldman, A. Khvan, G. Mank, N. Peld (IAEA) - Austria</p>
12.00 – 12.20	<p>U-TARGET IRRADIATION AT FRM II AIMING THE PRODUCTION OF MO-99 – A FEASIBILITY STUDY</p> <p>H. Gerstenberg, C.Müller, I. Neuhaus, A. Röhrmoser (Forschungsneutronenquelle Heinz Maier-Leibnitz (FRM II)) - Germany</p>
12.20 – 12.40	<p>99MO SUPPLY ISSUES : STATUS REPORT AND LESSONS LEARNED</p> <p>B. Ponsard (SCK.CEN) - Belgium</p>



12.40 – 13.00	<p>THE ROLE OF THE ADVANCED TEST REACTOR NATIONAL SCIENTIFIC USER FACILITY IN DEVELOPING THE NUCLEAR RESEARCH WORKFORCE</p> <p>T. Allen, M. Meyer, J. Benson, F. Marshall (Idaho National Laboratory) – U.S.</p>
13.00 – 13.20	<p>CHARACTERIZATION OF TYPICAL IRRADIATION CHANNELS OF CNESTEN'S TRIGA MARK II REACTOR (RABAT, MOROCCO) USING NAA K0-METHOD</p> <p>K. EMBARCH, H.BOUNOUIRA, M.BOUNAKHLA, H. AMSIL (Centre National de l'Énergie, des Sciences et des Techniques Nucléaires) - Morocco R.JACIMOVIC2 (Laboratory for Radiochemistry Josef Stefan Institute) - Slovenia</p>
13.20 – 14.10	Lunch
14.10 – 15.00	<p>Poster Session – Possibility to discuss with authors</p> <p><i>Posters are listed on page 9 to 11 of this programme</i></p>
Afternoon: 2 Parallel Sessions (IV – Part 1 and 2, V – Part 1 and 2)	
<p>Session IV</p> <p>Innovative Methods in Research Reactor Analysis and Design</p> <p>Part I – Chairman: T. van der Hagen, TU Delft</p>	
15.00 – 15.20	<p>NEUTRONICS ANALYSIS OF THE CURRENT CORE OF THE TRIGA MARK II REACTOR VIENNA</p> <p>R. Khan, S. Karimzadeh, H. Böck, M. Villa (Vienna University of Technology /Atominstutute) - Austria</p>
15.20 – 15.40	<p>APPLICATION OF RELAP/SCDAPSIM WITH INTEGRATED UNCERTAINTY OPTIONS TO RESEARCH REACTOR SYSTEM THERMAL HYDRAULIC ANALYSIS</p> <p>C. M. Allison, J. K. Hohorst (Innovative Systems Software) - USA ; M. Perez, F. Reventos (Technical University of Catalonia) - Spain</p>
15.40 – 16.00	<p>THE STUDY OF TIME-DEPENDENT NEUTRONICS PARAMETERS OF THE 2MW TRIGA MARK II MOROCCAN RESEARCH REACTOR USING BUCAL1 COMPUTER CODE</p> <p>B. El Bakkari, B. Nacir, C. El Younoussi, Y. Boulaich, I. Riyach, S. Otmani, I. Marcih, H. Elbadri, A. Htet (CNESTEN/CENM); T. El Bardouni, O. Merroun, H. Boukhal, M. Zoubair (ERSN-LMR); M. Chakir - (EPTN-LPMR) - Morocco</p>
16.00 – 16.20	<p>DEVELOPMENT OF A NUMERICAL TOOL FOR SAFETY ASSESSMENT AND EMERGENCY MANAGEMENT OF EXPERIMENTAL REACTORS</p> <p>L. Maas, A. Beuter, C. Seropian (Institut de Radioprotection et de Sûreté Nucléaire - IRSN) – France</p>
↓ Parallel sessions ↑	
<p>Session V - Research Reactor Operation and Maintenance and Ageing</p> <p>Part 1 - Chairman: V. Broz, NRI Rez</p>	
15.00 – 15.20	<p>RENEWAL OF THE OPERATING LICENCE AND UPGRADING THE REACTOR FOR CONTINUING AND IMPROVED SERVICE OF THE FIR 1 INTO THE 2020'S</p>



	I. Auterinen, S.E.J. Salmenhaara (VTT Technical Research Centre of Finland) – Finland
15.20 – 15.40	KEEPING RESEARCH REACTORS RELEVANT: A PRO-ACTIVE APPROACH FOR SLOWPOKE-2 L. Cosby (Nova Nuclear Support Inc.), L.G.I. Bennett, K. Nielsen, R. Weir (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 P.S.P. Oliveira, J.B.M. Tondin, M.O. Martins, M. Yovanovich, W. Ricci Filho (Nuclear and Energy Research Institute, IPEN-CNEN/SP) – Brazil
16.00 – 16.20	OPERATION AND MAINTENANCE RELATED ISSUES DURING 47 YEARS OF OPERATION M. Villa, G. Steinhauser, W. Stoiber, H. Böck (Vienna University of Technology.) – Austria
16.20 – 16.40	Coffee Break

**Session IV -
Innovative Methods in Research Reactor Analysis and Design
Part 2 - Chairman: A. Borio di Tigliole, Università degli Studi de Pavia**

16.40 – 17.00	MODELING IR-8 RESEARCH REACTOR OF RRC KI FOR PRECISION NEUTRONICS CALCULATIONS D.S. Oleynik, V.A. Nasonov, N.I. Alexeev, D.Y. Erak, V.N. Kochkin (Russian Research Center «KURCHATOV INSTITUTE» RRC KI) - Russian Federation
17.00 – 17.20	N.N.
17.20 – 17.40	NEUTRONIC DESIGN OF SMALL REACTORS L. Chabert, T. Bonaccorsi, M. Boyard, E. Lefevre, L. Lamoine, J. Piela (AREVA TA) – France
17.40 – 18.00	RELAP ANALYSIS OF THE BR2 LOSS OF FLOW TEST A C. Tzanos, B. Dionne, J. Matos (Argonne National Laboratory) – U.S.

↓ **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 A. M. Shokr, H. Abou Yehia (International Atomic Energy Agency, 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 P. Isaac (U.S. Nuclear Regulatory Commission) – U.S.



17.20 – 17.40	FINDINGS FROM WORKING FOR THE IAEA INITIATIVE ON RESEARCH REACTOR AGEING AND AGEING MANAGEMENT H.-J. Roegler (Independent Consultant) - Germany
17.40 – 18.00	RESEARCH REACTOR SAFETY REVIEW MISSIONS: A HISTORICAL REVIEW OF RESULTS AND FUTURE TRENDS H. Abou Yehia, A. Shokr, D. Winfield (International Atomic Energy Agency, IAEA) - Austria

19.30	CONFERENCE DINNER
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Wednesday 24 March 2010

Session VI
New Research Reactor Projects
Part 1 - Chairman: P. Adelfang, IAEA

9.00 – 9.20	THE JULES HOROWITZ REACTOR PROJECT, A DRIVER FOR REVIVAL OF THE RESEARCH REACTOR COMMUNITY P. Pere, C. Cavailler, C. Pascal (AREVA TA) - France
9.20 – 9.40	A SUSTAINABILITY ANALYSIS OF THE BRAZILIAN MULTIPURPOSE REACTOR PROJECT I. J. Obadia, J. A. Perrotta (Brazilian Commission of Nuclear Energy) - Brazil
9.40 – 10.00	VALIDATION OF STRUCTURAL DESIGN OF JHR FUEL ELEMENT S. Brisson, G. Miras (AREVA TA) ; L Le Bourdonnec (AREVA NP) ; P. Lemoine (Cea-Saclay) ; M-C. Anselmet, V. Marelle (CEA– Cadarache) - France
10.00 – 10.20	SAFETY INFRASTRUCTURE FOR COUNTRIES ESTABLISHING THEIR FIRST RESEARCH REACTOR H. Abou Yehia, A. M. Shokr (International Atomic Energy Agency, IAEA) - Austria
10.20 – 10.40	Coffee Break

Session VI
New Research Reactor Projects
Part 2 - Chairman: N.N.

10.40 – 11.00	THE PALLAS RESEARCH AND ISOTOPE REACTOR PROJECT STATUS B. van der Schaaf, P. de Jong (Pallas Project Organisation, NRG) - The Netherlands
11.00 – 11.20	REVISITING HOMOGENEOUS SUSPENSION REACTORS FOR PRODUCTION OF RADIOISOTOPES E.E. Pasqualini (Atomic Energy National Commission - CNEA) - Argentina
11.20 – 11.40	CREATION OF NUCLEAR RESEARCH CENTERS IN NEW ENTRANT COUNTRIES A .Caoui (CNESTEN) – Morocco ; F.Monnet (AREVA TA) - France



11.40 – 12.00	<p>PARTIAL DISMANTLING ACTIVITIES PRIOR TO THE REFURBISHMENT OF THE IRT RESEARCH REACTOR IN SOFIA, BULGARIA</p> <p>T. Apostolov, V. Anastassov, E. Anastasova (Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences) - Bulgaria</p>
12.00 – 12.30	<p>Closing Session</p> <p>Conclusion of Sessions presented by Chairpersons</p> <p>Chairman: E. Koonen, SCK</p>
12.30 – 13.30	<p>Lunch</p>



Monday 22 – Wednesday 24 March

Poster Session

0099 TRANSMISSION ELECTRON MICROSCOPY INVESTIGATION OF UALX BASED MTR FUEL

Dr. Van Renterghem, Wouter; Leenaers, Ann; Dr. Van den Berghe, Sven (SCK•CEN, Nuclear Materials Science Institute) - Belgium

0005 POWDERING DUCTILE U-MO ALLOYS FOR NUCLEAR DISPERSION FUELS

M. Durazzo, C.J. Rocha, J. Mestnik Filho, R.M. Leal Neto (Nuclear And Energy Research Institute - IPEN-CNEN/SP) – Brazil

0006 QUANTITATIVE DETERMINATION OF CRYSTALLINE PHASES IN THE SILICIDE FUEL BY THE RIETVELD METHOD

C.T.Kniess, E.F.U.Carvalho, M.Durazzo (Nuclear and Energy Research Institute - IPEN/CNEN) - Brazil
H.G.Riella (Nuclear and Energy Research Institute - IPEN/CNEN/ National Institute of Science and Technology for Inovating Nuclear Reactor-INCT/Nuclear Fuel Center) – Brazil

0007 UF4 FABRICATION TO PRODUCE LEU METALLIC URANIUM BY MAGNESIOTHERMIC REDUCTION

M. Durazzo, E. Urano De Carvalho, A. M. Saliba-Silva (Nuclear and Energy Research Institute - IPEN-CNEN/SP), H.G. Riella, (CPG/IPEN and National Institute of Science and Technology for Innovating Nuclear Reactors) - Brazil

0024 QUALIFICATION OF MTR-TYPE FUEL PLATES FABRICATION PROCESS

I. M. Elseaidy, M. M. Ghoneim (ETRR-2, Nuclear Research Center, Atomic Energy Authority) - EGYPT

0030 REPROCESSING OF RESEARCH REACTOR NUCLEAR FUEL BASED ON PYROCHEMICAL SEPARATIONS TECHNIQUE

D. Wachs, S. Herrmann, K. Norbash (Idaho National Laboratory) – U.S.

0059 MANUFACTURE OF TARGETS OF LOW ENRICHED URANIUM (LEU) FOR PRODUCTION OF MO 99 FOR FISSION

G. Rossi, M. Restelli, L. Mamberto, D. Podestá, J. Fabro (Comisión Nacional de Energía Atómica) – Argentina

0063 ADVANCES IN THE STUDY OF VERY HIGH DENSITY FUELS IN CNEA

R. González, A. González, H. Taboada, M. López (CNEA) - Argentina

0064 IRRADIATION CHARACTERISTICS OF LEAD BUNDLE IN HANARO CORE

H. Chae, (Korea Atomic Energy Research Institute) – Republic of Korea

0103 COOLING AND RADIATION SAFETY CONTROL REQUIREMENTS FOR SAFE STORAGE OF LEU WWR-M EXPERIMENTAL FUEL ASSEMBLIES

K.Konoplev, A.Zakharov, S.Orlov (Petersburg Nuclear Physics Institute) - Russia
T.Totev (Argonne National Laboratory) – USA

0107 QUALIFICATION PROCESS OF DISPERSION FUELS IN THE IEAR1 RESEARCH REACTOR

D. B. Domingos, A. T. Silva, J. E. R. Silva (IPEN-CNEN/SP) - Brazil



0110 PERFORMANCE EVALUATION OF THE R6R018 FUEL PLATE USING PLATE CODE

P. Medvedev (Idaho National Laboratory) – U.S.

0111 STRUCTURAL BEHAVIOUR OF MONOLITHIC FUEL PLATES DURING HOT ISOSTATIC PRESSING AND ANNEALING

Hakan Ozaltun (Ohio State University) - United States

Pavel G. Medvedev (Idaho National Laboratory) - United States

0113 CONVERSION OF REACTOR LVR-15 FROM 36% ENRICHED FUEL BELOW 20% ENRICHMENT

J. Ernest, M. Koleska, J. Zmitkova, M. Antes, V. Broz (Nuclear Research Institute plc. REZ) - CZECH REPUBLIC

0118 DEVELOPMENT OF QUALITY ASSURANCE METHODS FOR LOW ENRICHED FUEL ASSEMBLIES

N.E. Woolstenhulme*, G.A. Moore, D.M. Perez, D.M. Wachs (Idaho National Laboratory) - United States

0120 AN INTEGRATED APPROACH TO THE MECHANICAL BEHAVIOR OF U-MO MONOLITHIC FUEL

R. Prabhakaran, F. Rice, M. Okuniewski, D. Wachs, D. Burkes (Idaho National Laboratory), D. Brown (Los Alamos National Laboratory) - UNITED STATES

0001 FULL INSTANTANEOUS TRAVERSAL RUPTURE OF THE PRIMARY LOOP PIPELINE

Baytelesov S.A., Kungurov F.R. (Institute of Nuclear Physics of Academy of Sciences of Republic of Uzbekistan) – UZBEKISTAN

0058 ANALYSIS OF THE CREOLE EXPERIMENT ON THE REACTIVITY TEMPERATURE COEFFICIENT USING THE MCNP5 CODE WITH ENDF/B-VII AND JEFF3.1 NEUTRON CROSS SECTIONS EVALUATION

Y.Boulaich, T. El Bardouni, C. El Younoussi, B. El Bakkari, H. Boukhal, M. Zoubair (Radiations and Nuclear Systems Laboratory, University Abdelmalek Essaadi) – Morocco

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0076 COUPLED 3D NEUTRONIC AND THERMOHYDRAULIC CALCULATIONS FOR A COMPACT FUEL ELEMENT WITH DISPERSE UMO FUEL AT FRM II

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0090 QUANTIFICATION OF SECONDARY SOURCES DURING EXPERIMENTS IN THE CENM RESEARCH REACTOR CORE

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0091 EXTENSION OF ITERATIVE METHOD FOR STUDY OF NEUTRON FLUX SYMMETRY IN CENM RESEARCH REACTOR CELL

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0104 APPLICATION OF THE MODIFIED NEUTRON SOURCE MULTIPLICATION METHOD FOR A MEASUREMENT OF SUB-CRITICALITY IN AGN-201K REACTOR

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0048 CERMET FUEL NEUTRONIC ANALYSES FOR PFPWR50 LONG LIFE SMALL SIZED REACTOR CONCEPT

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0073 A NEUTRONIC ASSESSMENT OF THE NEW SPHERICAL CERMETS FUEL CONCEPT FOR THE BWR-PB REACTOR

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0092 DEVELOPMENT A EQUIVALENT NUCLIDE MODEL (ENM-2) FOR THE RESONANT NUCLIDES: APPLICATION TO THE CENM TRIGA FUEL

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0096 AN INFLUENCE OF BURN-UP ON A DEVELOPMENT OF GAS POROSITY IN U-MO FUEL

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0123 FOLLOW-UP THE COMMISSIONING OF CENM TRIGA MARK II RESEARCH REACTOR ON SAFETY LEVEL

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0015 NEW TRENDS IN NUCLEAR FUEL EXPERIMENTAL IRRADIATION. MODERN CONTROL AND ACQUISITION OF THE IRRADIATION DATA

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0049 RADIATION SURVEY AND PREPARING FOR THE DECOMMISSIONING OF RESEARCH REACTOR MR, RRC “KURCHATOV INSTITUTE”

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0077 TENSILE TESTS ON MONOLITHIC SAMPLES

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0130 IN CORE INSTRUMENTATION FOR ONLINE NUCLEAR HEATING MEASUREMENTS OF MATERIAL TESTING REACTOR

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0131 PROLONGATION OF THE BOR-60 REACTOR

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0132 - NEW LOOK TO VISUAL INSPECTION OF RESEARCH REACTORS

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