



PROGRAMME

17.00 – 19.00	Pre-registration
18.00 – 19.30	Welcome Reception

Monday 23 March 2009

All day Plenary Session

8.30 – 9.00	<p>Opening Session</p> <p>Welcome Address</p> <ul style="list-style-type: none"> - S. San Antonio, Secretary General of the European Nuclear Society <p>Opening Address</p> <ul style="list-style-type: none"> - Y. Sokolov, Deputy Director General and Head of the Department of Nuclear Energy, IAEA
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Session I – International Topics

Part I - Chairman: P. Adelfang, IAEA

9.00 – 9.20	<p>RESEARCH REACTOR COALITIONS – SECOND YEAR PROGRESS REPORT</p> <p>I.N. Goldman, P. Adelfang, D. Ridikas (IAEA); K. Alldred, N. Mote (International Nuclear Enterprise Group) - US</p>
9.20 – 9.40	<p>AN OVERVIEW OF GLOBAL THREAT REDUCTION ACCELERATING THREAT REDUCTION</p> <p>A.J. Bieniawski (U.S. Department of Energy / NNSA) - US</p>
9.40 – 10.00	<p>EUROPEAN'S R&D MONOLITHIC UMO PROGRAM</p> <p>C. Jousse (AREVA-CERCA) – France , L. Halle, W. Petry, A. Röhrmoser, W. Schmid (TU Munich) – Germany</p>
10.00 – 10.20	<p>2009 CNEA REPORT ON PROGRESS ON THE DEVELOPMENT OF LEU FUELS AND TARGETS IN ARGENTINA</p> <p>S. Balart, P. Cristini, C. Fernández, A.G. Gonzalez, M. López, H. Taboada (Comisión Nacional de Energia Atómica) - Argentina</p>
10.20 – 10.50	Coffee Break
10.50 – 11.10	<p>THE JULES HOROWITZ REACTOR PROJECT: STATUS AND FUEL LICENSING PROCESS</p> <p>M. C. Anselmet, D. Iracane, G. Bignan, P. Tremodeux, B. Maugard, P. Lemoine (CEA) - France</p>



11.10 – 11.30	THE EAST EUROPEAN RESEARCH REACTOR INITIATIVE S. Tözsér, (KFKI Atomic Energy Research Institute) – Hungary, I.N. Goldman (IAEA), H. Böck TU Vienna - Austria
11.30 – 11.50	Status and perspectives of fuel developments for fast neutron reactors of 4th generation C. Renault, J. Rouault, P. Anzieu (CEA) - France
11.50 – 12.10	DECOMMISSIONING PROGRESS OF THE DOUNREAY SITE E. Mackenzie (Dounreay Site Restoration Ltd - formally UKAEA) - United Kingdom
12.10 – 13.10	Lunch
Session I – International Topics Part II - Chairman: H. Böck, Atominstytut, Austria	
13.10 – 13.30	IAEA PROGRAMME ON RESEARCH REACTORS SAFETY - 2009 UPDATE H. Abou Yehia , A.M. Shokr – (IAEA)
13.30 – 13.50	SECURITY OF SUPPLY FOR FISSION MEDICAL RADIO-ISOTOPES BASED ON OPTIMAL USE OF THE TEST REACTOR NETWORK H. Bonet – (IRE – Institut des Radioéléments) - Belgium
13.50 – 14.10	QUALIFICATION PROGRAM FOR THE JHR FUEL ELEMENTS M.C. Anselmet , P. Lemoine, D. Iracane (CEA), I. Caillière, P. Colomb, T. Pin (AREVA-CERCA), S. Brisson, S. Guillot (AREVA-TA) – France, E. Koonen, P. Benoit (SCK-CEN) - Belgium
14.10 – 14.30	INTERNATIONAL STATUS OF ACCELERATOR DRIVEN SYSTEMS FOR ADVANCED NUCLEAR FUEL CYCLES A. Stanculescu (IAEA)
14.30 – 14.50	UMO DISPERSION FUEL QUALIFICATION ROAD MAP FOR THE BR2 AND ILL REACTORS E.Koonen (SCK-CEN) - Belgium, H. Guyon (RHF Reactor), P. Lemoine (CEA), C. Jarousse (AREVA-CERCA) – France
14.50 – 15.20	Coffee Break



Session II – Fuel Development

Part I - Chairman: G. Bignan

15.20 – 15.40	<p>LTA'S MANUFACTURING FOR JHR FUEL QUALIFICATION PROGRAM IN BR2 REACTOR</p> <p>I. Caillière, P. Colomb (AREVA-CERCA), M.C. Anselmet, P. Lemoine (CEA), S. Brisson, S. Guillot (AREVA-TA) – France, F. Joppen, P. Benoit, E. Koonen (SCK-CEN) - Belgium</p>
15.40 – 16.00	<p>CHARACTERIZATION OF THE MICROSTRUCTURE OF IRRADIATED U-Mo DISPERSION FUELS WITH MATRICES THAT CONTAIN Si</p> <p>D.D. Keiser, Jr., J.F. Jue, A.B. Robinson P. Medvedev (Idaho National Laboratory) – US; M.R. Finlay (ANSTO) - Australia</p>
16.00 – 16.20	<p>EXPERIMENTAL SIMULATION OF AI FUEL PLATE OXIDATION</p> <p>R. Amoruso, A. Burkart, R. Haddad, C. Lafont (Comisión Nacional de Energia Atómico) - Argentina</p>
16.20 – 16.40	<p>US PROGRESS IN THE DEVELOPMENT OF VERY HIGH DENSITY RESEARCH AND TEST REACTOR FUELS</p> <p>D. Wachs, D. Keiser, D. Burkes, M. Okienwski, G. Moore, D. Porter, A. Robinson, J-F Jue, J. Gan, C. Clark, D. Utterbeck, P. Medvedev, F. Rice, J. Wight, J. Williams</p>
16.40 – 17.00	<p>HEAVY ION IRRADIATION OF UM_o7 / AI FUEL: METHODOLOGICAL APPROACH</p> <p>E. Welcomme, H. Palancher, C. Sabathier, Ph. Martin, J. Allenou, F. Charollais, M.C. Anselmet, C. Valot, P. Lemoine (CEA), R. Tucoulou (ESRF), C. Jarousse (AREVA-CERCA) – France, L. Beck (Maier Leibnitz Laboratorium, LMU/TUM), R. Jungwirth, W. Petry (FRM II TU Munich) - Germany</p>
17.00 – 17.20	<p>COMPARISON OF RESEARCH REACTOR OPERATING COSTS USING HEU AND LEU FUELS</p> <p>N. Mote, K. Alldred, (International Nuclear Enterprise Group, LLC) – US, I.N. Goldman, P. Adelfang (IAEA)</p>
19.30	<p>AREVA DINNER</p>

Tuesday 24 March 2009

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

Session II - Fuel Development

Part II - Chairman: D. Wachs

9.00 – 9.20	<p>IAEA PUBLICATION ON GOOD PRACTICES FOR QUALIFICATION OF HIGH DENSITY LEU RESEARCH REACTOR FUELS</p> <p>J.L. Snelgrove (Argonne National Laboratory) - US</p>
9.20 – 9.40	<p>IRIS PROGRAM: IRIS4 FIRST RESULTS</p> <p>F. Charollais, M. Ripert, MC. Anselmet, P. Boulcourt, X. Tiratay, P. Lemoine (CEA), C. Jarousse (AREVA-CERCA) - France</p>



9.40 – 10.00	<p>IMPROVEMENTS DONE IN THE DEVELOPMENT OF DISPERSED AND MONOLITHIC FUELS IN CNEA</p> <p>M.López, R. González, A.G. González (Comisión Nacional de Energia Atómic) – Argentina</p>
10.00 – 10.20	<p>UPDATE ON FRESH FUEL CHARACTERIZATION OF U-Mo ALLOYS</p> <p>D.E. Burkes, D.M. Wachs, D.D. Keiser, J.-F. Jue, M.A. Okuniewski, F.J. Rice, R. Prabhakaran (Idaho National Laboratory) - US</p>
10.20 – 10.40	<p>CD WIRES AS BURNABLE POISON FOR BR2 FUEL ELEMENT</p> <p>N. Franck (AREVA-CERCA) – France; S. Kalcheva, E. Koonen (SCK-CEN) - Belgium</p>
<p>↓ Parallel sessions ↑</p>	
<p>Session V – Utilisation</p> <p>Part I - Chairman: H. Gerstenberg</p>	
9.00 – 9.20	<p>ESTABLISHMENT OF A SINGLE-CRYSTAL FILTERED THERMAL NEUTRON BEAM FACILITY FOR NEUTRON CAPTURE THERAPY AT THE UNIVERSITY OF MISSOURI</p> <p>J. Brockman, L.P. Foyto (University of Missouri-Columbia Research Reactor); D.W. Nigg (Idaho National Laboratory) – US</p>
9.20 – 9.40	<p>USE OF FISSION RADIATION IN LIFE SCIENCES AND MATERIALS CHARACTERISATION</p> <p>F.W. Wagner, B. Loeper, Th. Bücherl, H. Breitzkreutz, W. Petry (Forschungsneutronenquelle Heinz Maier-Leibnits (FRM II) / TU Munich) - Germany</p>
9.40 – 10.00	<p>RADIOISOTOPE PRODUCTION FOR NUCLEAR MEDICINE USING THE IAE-R1m</p> <p>J. A. Osso Jr., K.N. Suzuki, R.F. Costa, G. Barrio, T.P. Brambilla, Paula C. Lopes, S.E.T. Borborema, C.R.B.R. Dias, A.L.P.V. Lima, H.T. Gasiglia, J.L. Correia, L.A. Villela, N.C. Silva, R.R.L. Bezerra, R.F. Lima, M.R.F.F. Barboza, J. Mengatti (Instituto de Pesquisas Energéticas e Nucleares) - Brazil</p>
10.00 – 10.20	<p>DESIGN OF A FLOWING-NAK EXPERIMENTAL DEVICE FOR IN-CORE MATERIAL IRRADIATION IN THE JULES HOROWITZ REACTOR</p> <p>D. Moulin, C. Biscarrat, S. Christin, G. Laffont, A. Morcillo, E. Pluyette, F. Rey (CEA) - France</p>
10.20 – 10.40	<p>EVITA: A SEMI-OPEN LOOP IN BR2 FOR RJH FUEL QUALIFICATION</p> <p>E. Koonen, P. Gouat, P. Benoit (SCK-CEN) – Belgium, P. Lemoine, M.C. Anselmet, S. Brisson, S. Guillot (AREVATA) - France</p>
10.40 – 11.00	<p>Coffee Break</p>



Session II - Fuel Development

Part III - Chairman: S. van den Berghe

11.00 – 11.20	<p>EFFECT OF SI ADDITIONS IN AL IN U-Mo/AI DISPERSION PLATES: OBSERVATIONS FROM SIDE-BY-SIDE PLATES IRRADIATED IN RERTR-6, -7A, -9A AND -9B</p> <p>Y.S. Kim, G.L. Hofman (Argonne National Laboratory), A.B. Robinson (Idaho National Laboratory) - US</p>
11.20 – 11.40	<p>MICRO-XRD COUPLED WITH SEM+EDS CHARACTERIZATION OF U-Mo/AI-Si DIFFUSION COUPLES</p> <p>J. Allenou, H. Palancher, X. Iltis, E. Welcomme, Ph. Martin, F. Charollais, M.C. Anselmet, P. Lemoine (CEA), M. Cornen, O. Tougait (Université de Rennes), R. Tucoulou (ESRF) - France</p>
11.40 – 12.00	<p>METHODS OF INCREASING THE URANIUM CHARGE IN FUEL ELEMENTS OF RESEARCH REACTORS</p> <p>G.A. Birzhevoy, A.D. Karpin, V.V. Popov, V.N. Sugonyaev (RF State Scientific Centre IPPE) - Russia</p>
12.00 – 12.20	<p>FISSION INDUCED SWELLING AND CREEP OF URANIUM-MOLYBDENUM ALLOY FUEL</p> <p>G.L. Hofman, Y.S. Kim (Argonne National Laboratory), A.B. Robinson (Idaho National Laboratory) – US</p>

↓ **Parallel sessions** ↑

Session V - Utilisation

Part II - Chairman: T. van der Hagen

11.00 – 11.20	<p>A MULTI-NATIONAL PRACTICAL TRAINING COURSE FOR NUCLEAR CANDIDATE COUNTRIES ORGANIZED BY EERRI</p> <p>H. Böck, M. Villa (Vienna University of Technology/Atomintstitute) - Austria, E. Bradley, A. Soares, P. Adelfang, I. Goldman (IAEA), S. Tozser (KFFI Atomic Energy Research Institute), A. Aszodi (TU Budapest) - Hungary, M. Ravnik, L. Snoj (Josef Stefan Institute) - Slovenia</p>
11.20 – 11.40	<p>THE JAMAICAN SLOWPOKE-2 RESEARCH REACTOR: NEUTRON ACTIVATION ANALYSIS IN ENVIRONMENTAL AND HEALTH STUDIES</p> <p>C.Grant, G. Lalor, J. Preston (International Centre for Environmental and Nuclear Sciences / University of the West Indies) - Jamaica</p>
11.40 – 12.00	<p>PARTIAL DISMANTLING OF RESEARCH REACTOR-SOFIA PRIOR ITS RECONSTRUCTION INTO LOW POWER REACTOR</p> <p>T. Apostolov, E. Anastasova, V.D. Anastasov, A. Mladenov (Institute for Nuclear Research and Nuclear Energy/Bulgarian Academy of Sciences) - Bulgaria</p>



12.00 – 12.20	SILICON DOPING AT FRM II H. Gerstenberg , X. Li, I. Neuhaus (Forschungsneutronenquelle Heinz Maier-Leibnitz (FRM II)) - Germany
12.20 – 13.20	Lunch
13.20 – 14.30	Poster Session – Possibility to discuss with authors <i>Posters are listed on page 9 and 10 of this programme</i>
Afternoon: 2 Parallel Sessions (IV – Part 1 and V – Part 2)	
Session IV – Innovative Methods in Research Reactor Physics Part I – Chairman: S. Curr	
14.30 – 14.50	TRIGA FUEL BURN-UP CALCULATIONS SUPPORTED BY GAMMA SCANNING R. Khan, S. Karimzadeh, H. Böck , M. Villa (Vienna University of Technology / Atominstitute) - Austria
14.50 – 15.10	A PROBABILISTIC DNBR METHOD FOR RESEARCH REACTOR ANALYSIS T.L. Totev (Argonne National Laboratory) - US
15.10 – 15.30	ANALYSIS OF NEW SAFETY CRITERIA FOR CABRI REACTOR CORE D. Blanc , F. Ecrabet, S. Pignet, V. Georghentum, A. Moal (French Institute for Radiological Protection and Nuclear Safety, IRSN) – France
↓ Parallel sessions ↑	
Session V - Utilisation Part III - Chairman: H. Gerstenberg	
14.30 – 14.50	IGR RESEARCH REACTOR E. Kozlovskiy (Institute of Atomic Energy / National Nuclear Center of the Kazakhstan Republic) - Kazakhstan
14.50 – 15.10	IAEA PUBLICATION: TECDOC-1601 – HOMOGENEOUS AQUEOUS SOLUTION NUCLEAR REACTORS FOR THE PRODUCTION OF MO-99 AND OTHER SHORT LIVED RADIOISOTOPES E. Bradley , P. Adelfang, N. Ramamoorthy (IAEA)
15.10 – 15.30	A COATING TO PROTECT SPENT ALUMINIUM-CLAD RESEARCH REACTOR FUEL ASSEMBLIES DURING EXTENDED WET STORAGE S.M.C. Fernandes, O.V. Correa, J.A. De Souza, L.V. Ramanathan (Instituto de Pesquisas Energéticas e Nuclear) – Brazil
15.30 – 16.00	Coffee Break



Session IV - Innovative Methods in Research Reactor Physics Part II - Chairman: S. Curr	
16.00 – 16.20	VALIDATION OF PLTEMP / ANL V3.4 CODE FOR EVALUATION OF SAFETY MARGINS AT THE BR2 REACTOR S. Kalcheva, E. Koonen (SCK-CEN) - Belgium, A.P. Olson, J.E. Matos (RERTR Program) - US
16.20 – 16.40	ROLE OF RELAP / SCDAPSIM IN RESEARCH REACTOR SAFETY C.M. Allison, J.K. Hohorst (Innovative Systems Software LLC) – US, A.J. D'Arcy (South African Nuclear Energy Corporation, NECSA) - South Africa
16.40 – 17.00	SEVERE REACTIVITY INJECTION ACCIDENT SIMULATIONS FOR SAFETY ASSESSMENT OF RESEARCH REACTOR S. Pignet, C. Pelissou, R. Meignen (French Institute for Radiological Protection and Nuclear Safety, IRSN) – France, P. Liu, F. Gabrielli (Institute for Nuclear and Energy Technologies (IKET) - Germany
17.00 – 17.20	MCNP SIMULATION OF PERMANENT CD-LINED IRRADIATION CHANNEL FOR IMPROVED UTILIZATION OF COMMERCIAL MNSR FACILITIES S.A. Jonah, Y.A. Ahmed, U. Sadiq (Ahmadu Bello University) – Nigeria
17.20 – 17.40	FULL FUEL CYCLE TIME AVERAGED TEMPERATURE EVALUATION OF FRM II A.Röhrmoser, W. Petry (Technical University Munich, TUM) - Germany
↓ Parallel sessions ↑	
Session III - Back-end Chairman: I. Vidovszky	
16.00 – 16.20	LESSONS LEARNED FROM THE SPENT FUEL SHIPMENT BUDAPEST - MAYAK J. Dewes (US DOE, NNSA) – US, S. Tözser, I. Vidovszky (Hungarian Academy of Sciences, KFKI Atomic Energy Research Institute) - Hungaria
16.20 – 16.40	FRESH AND SPENT NUCLEAR FUEL REPATRIATION FROM THE IRT-2000 RESEARCH REACTOR FACILITY, SOFIA, BULGARIA T. Apostolov, K. Allen, I. Dimitrov, D. Dimitrov (Institute for Nuclear Research and Nuclear Energy of Bulgarian) - Bulgaria
16.40 – 17.00	TRIGA LEU AND HEU FUEL SHIELDING ANALYSIS DURING SPENT FUEL TRANSPORT C.A. Margeanu, S. Margeanu, C. Iorgulis (Institute for Nuclear Research) - Romania
19.30	CONFERENCE DINNER



Wednesday 25 March 2009

Session VI

Research Reactor Operation & Maintenance

Chairman: A. Borio di Tigliole

9.00 – 9.20	KEEPING AGING RESEARCH REACTORS IN GOOD SHAPE H. Böck, M. Villa (Vienna University of Technology / Atominsitute) - Austria
9.20 – 9.40	A STRATEGY FOR MANAGING AGING COMPONENTS OF A SLOWPOKE REACTOR C. Chilian, G. Kennedy (Nuclear Engineering Institute, Ecole Polytechnique) - Canada
9.40 – 10.00	IRRADIATION GROWTH OF GRAPHITE IN REFLECTOR ELEMENTS OF JRR-4 H. Horiguchi, T. Shibata, M. Yagi, K. Yokoo, K. Oyama, T. Kusunoki (Japan Atomic Energy Agency) - Japan
10.00 – 10.20	Coffee Break
10.20 – 10.40	SAFETY CONSIDERATIONS FOR CORE MANAGEMENT AND FUEL HANDLING FOR RESEARCH REACTORS A.M. Shokr , H. Abou Yehia (IAEA)
10.40 – 11.00	INVESTIGATION OF POSSIBILITY FOR FUEL DEFECT DETECTION BY ANALYSIS OF RADIONUCLIDE IN PRIMARY COOLANT OF HANARO M-S Kim , H-G Kim, G-H Ahn, C-S Lee, I-C Lin (Korea Atomic Energy Research Institute) - Korea
11.00 – 11.20	AD-HOC AND PREVENTATIVE MAINTENANCE SYSTEM AS PART OF THE SAFARI-1 MANAGEMENT SYSTEM J.F. du Bruyn (South African Nuclear Energy Corporation, NECSA) - South Africa
11.20 – 11.40	IAEA PUBLICATION: NE SERIES NO. NP-T-5.4 – OPTIMISATION OF RESEARCH REACTOR AVAILABILITY AND RELIABILITY: RECOMMENDED PRACTICES E. Bradley (IAEA)
11.40 – 12.30	Closing Session Conclusion of Sessions presented by Chairpersons



Monday 22 – Wednesday 25 March

Poster Session

MICROSTRUCTURAL ANALYSIS OF MTR FUEL PLATES DAMAGED BY A COOLANT FLOW BLOCKAGE

A. Leenaers, S. Van Den Berghe (SCK-CEN) - Belgium

STATUS OF THE VIND PROGRAM, NOVEMBER 2008

M. Pestic (Vinca Institute of Nuclear Sciences) - Republic of Serbia

UPGRADED REACTOR SYSTEMS FOR ENHANCED SAFETY AT TRIGA-INR

M. Preda, M. Ciocanescu, E. Mugurel Ana (Institute for Nuclear Research) – Romania

URANIUM CONTAMINATION IN PRIMARY CIRCUIT OF THE LVR-15 REACTOR

L. Viererbl, M. Miletic, Z. Lahodova, V. Broz, V. Klupak, (Nuclear Research Institute Rez plc) - Czech Republic

ANALYSES OF IRT, SOFIA LEU CORE: STEADY-STATE THERMAL-HYDRAULIC AND ACCIDENT ANALYSES

T. Apostolov, S. Belousov (Institute for Nuclear Research and Nuclear Energy of Bulgarian) – Bulgaria, N. Henan, J. Matos (RERTR Program, Argonne National Laboratory) – US

CORROSION BEHAVIOR OF ALUMINUM ALLOY COUPONS SUBMERGED IN THE STORAGE POOLS OF SPENT NUCLEAR FUEL IN CHILE

C. Lamas, J. Klein, H. Torres, D. Calderón (Comisión Chilean de Energía Nuclear) – Chile

14 MW INR-TRIGA RESEARCH REACTOR CORE CONVERSION - EMERGENCY PREPAREDNESS CHALLENGES

S. Margeanu, C.A. Margeanu, C. Iorgulis, M. Ciocanescu (Institute for Nuclear Research) – Romania

SYNTHESIS AND CHARACTERIZATION OF GAMMA UMO POWDERS FABRICATED VIA THE HDH TECHNIQUE

F.B. Vaz De Oliveira (Nuclear and Energy Research Institute, IPEN/CNEN), H. Gracher Riella (Federal University of Santa Catarina) – Brazil

IRRADIATION RESULTS OF MULTI-WIRE U-MO MONOLITHIC FUEL FOR HANARO RESEARCH REACTOR

Y-S Lee, H-J Ryu, J-M Park, J-M Oh, B. Yoo, C-K Kim (Korea Atomic Energy Research Institute) – Korea

SELF-ASSESSMENT OF APPLICATION OF THE CODE OF CONDUCT ON THE SAFETY OF RESEARCH REACTORS - MEXICO

Y.R. Mamani-Alegria, J.R. Salgado-Gonzalez, J. Miranda-Aldaco (National Commission on Nuclear Safety and Safeguards) – Mexico

AN INVESTIGATION ON HOMOGENEOUS BLENDING FOR LARGE PARTICLE U-MO AND AL POWDERS BY MULTI-SIEVE DROPPING METHOD

C.K. Kim, J.M. Oh, C.G. Ji (Korea Atomic Energy Research Institute), G.H. Choi (Chungnam National University), J.M. Park (Korea University) – Korea



THE MANAGEMENT SYSTEM EVOLUTION OF RESEARCH NUCLEAR REACTOR IEA-R1

T.C. Salvetti, R.P. Paiva, R. Frajndlich, G.C. Longo (Brazilian Nuclear Energy Commission - CNEN / Nuclear Research Institute IPEN-CNEN/SP) – Brazil

BENCHMARK OF HEAT DEPOSITION MEASUREMENT TECHNIQUES IN THE SAFARI-1 REACTOR USING MCNP5

B.M. Makgopa, M. Belal (South African Nuclear Energy Corporation, NECSA) - South Africa

LEU FUEL DISPOSITION AT WWR-M REACTOR AFTER IRRADIATION TEST

K.A. Konoplev, S.P. Orlov, A.S. Zakharov (Pertersburg Nuclear Physics Institute) – Russia

PHYSICAL PROPERTIES OF MONOLITHIC U8MO

R.M Hengstler, C. Bogenberger, H. Breitzkreutz, R. Jungwirth, W. Petry, W. Schmid (FRM II TU Munich); G. Gradel, N. Wieschalla (AREVA NP GmbH); W.W. Schmahl, J. Schneider (LMU Munich); L. Beck, W. Carli (Maier-Leibnitz-Laboratorium) – Germany; C. Jarousse (AREVA – CERCA) - France

CURRENT UTILIZATION AND LONG TERM STRATEGY OF THE FINNISH TRIGA RESEARCH REACTOR FIR 1

I. Auterinen, S. Salmenhaara (VTT Technical Research Centre) – Finland

STUDYING OF INFLUENCE OF A NEUTRON IRRADIATION ON ELEMENT CONTENTS AND STRUCTURES OF ALUMINUM ALLOYS SAV-1 AND AMG-2

U. S. Salikhbaev, S. A. Baytelesov, F.R. Kungurov, A. S. Saidov (Institute of Nuclear Physics of Academy of Sciences) – Uzbekistan

THE SPENT FUEL STORAGE AT THE DALAT NUCLEAR RESEARCH REACTOR

P. Van Lam, N. Nhi Dien, L. Ba Vien, L. Vinh Vinh, H. Ton Nghiem, N. Minh Tuan, N. Kien Cuong (Nuclear Research Institute) - Vietnam

TEM CHARACTERIZATION OF IRRADIATED RERTR DISPERSION FUEL

J. Gan, D. D. Keiser, Jr., D. M. Wachs (Idaho National Laboratory); B. D. Miller, T. R. Allen (University of Wisconsin) - USA

STEREOMETRIC ANALYSIS OF GAS POROSITY OF FISSION PRODUCTS IN IRRADIATED U-MO FUEL

O.A. Golosov, S.A. Averin, V.L. Panchenko, M.S. Lyutikova (Institute of Nuclear Materials) – Russia

NEUTRONIC STUDY REGARDING TRANSMUTATION FUEL RESEARCH AT JULES HOROWITZ REACTOR

T. Stummer (Vienna University of Technology/Atominstutute) - Austria, Y. Penelhaul, C. Gonnier (CEA Cadarache) – France

INSPECTION EXPERIENCE WITH IEA-R1 SPENT FUEL AND NON-DESTRUCTIVE METHODS FOR QUALIFICATION OF HIGH DENSITY LEU FUEL (U₃Si₂-Al) AT IPEN/CNEN-SP

J.E. Rosa da Silva, A. Teixeira e Silva, L.A. Albiac Terremoto (Instituto de Pesquisas Energéticas e Nucleares) - Brazil

INVESTIGATION OF THE APPLICATIONS OF POSITRON ANNIHILATION SPECTROSCOPY TO RERTR FUEL PLATES

M. A. Okuniewski, D. W. Akers, D. E. Burkes (Idaho National Laboratory) - US