

PROGRAMME

Sunday 11 March 2007

18.00 – 19.45	Pre-registration The Registration Desk will be located at the 'Foyer Prestige Gratte-Ciel' of the Lyon Conference Center; first possibility to visit the Industry Exhibition
20.00 – 22.45	Welcome Reception The Welcome Reception will take place on the cruise boat 'Hermes'. Departure from and arrival at the 'Ponton de la Cité Internationale' in front of the Lyon Conference Center





Welcome Reception is graciously sponsored by CEA and NAC International

Monday 12 March 2007
All day Plenary Session

8.30 – 9.15	Opening Session (Salle Gratte-Ciel 1,2,3) Welcome Address <ul style="list-style-type: none"> – H. Sztark, Managing Director AREVA CERCA – E. Koonen, RRFM Program Committee – J. Guidez, IGORR Program Committee Opening Address <ul style="list-style-type: none"> – B. Bigot, High Commissioner for Atomic Energy CEA France – M. A. Buaille, Senior Vice-President in charge of Research & Innovation AREVA
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Session I – Plenary (Salle Gratte-Ciel 1,2,3)
International Topics and Overview on New Projects and Fuel Developments- Part 1:
 Chairman: T. van der Hagen (TU-Delft) – The Netherlands
 Chairman: J. Guidez (CEA) – France

9.15 – 9.40	JHR PROJECT STATUS D. Iracane (CEA) – France
9.40 – 10.05	UPDATE ON THE GLOBAL THREAT REDUCTION INITIATIVE (GTRI) A. Bieniawski (US Department of Energy) – USA
10.05 – 10.30	IAEA'S SUBPROGRAMME ON RESEARCH REACTORS: TECHNOLOGY AND NON-PROLIFERATION P. Adelfang, I. N. Goldman, A. N. Soares, E. Bradley (IAEA)
10.30 – 11.00	Coffee Break and Poster viewing – <i>Posters are listed on page 9 and 10 of this programme and will be on display throughout the conference</i>
11.00 – 11.25	SUPPORTING THE GLOBAL THREAT REDUCTION INITIATIVE THROUGH NUCLEAR MATERIAL RECOVERY: COLLABORATION BETWEEN NNSA AND AREVA A. Bieniawski (US Department of Energy) – USA; JL Falgoux, I. Hunter, T. Louvet, D. Ohayon (AREVA) – France
11.25 – 11.50	THE CHARACTERISTICS OF CARR DESIGN AND STATUS OF THE PROJECT Y. Luzheng (China Institute of Atomic Energy) - China
11.50 – 12.15	PROGRESS IN THE DEVELOPMENT OF LEU FUEL M. Meyer (INL) - USA; P. Lemoine (CEA); C. Jarousse (AREVA CERCA) - France;

12.15 – 12.40	REFURBISHMENT AND PERSPECTIVE FOR ILL H. Guyon (ILL) – France
12.40 – 13.45	Lunch
Session I – Plenary (Salle Gratte Ciel 1,2,3) International Topics and Overview on New Projects and Fuel Developments - Part 2: Chairman: Y. Luzhen (CIAE) -China, (TBC) Chairman: E. Koonen (SCK CEN) - Belgium	
13.45 – 14.10	OUTLOOK ON FRANCE'S R&D STRATEGY ON FUTURE NUCLEAR ENERGY SYSTEMS F. Carre, P. Yvon, P. Brossard, P. Anzieu (CEA) - France
14.10 – 14.35	THE OPAL REACTOR R. Miller, T. Irwin (ANSTO) – Australia, J. P. Ordonez (INVAP) - Argentina
14.35 – 15.00	EXPLORING THE CONCEPT OF A NEW GLOBAL INSTITUTION TO PROMOTE BEST PRACTICES FOR NUCLEAR MATERIALS SECURITY C. Hinderstein (NUCLEAR THREAT INITIATIVE) – USA
15.00 – 15.25	THE RENAISSANCE OF FAST SODIUM REACTORS 2007 ASSESSMENT : SITUATION AND CONTRIBUTIONS FROM PHENIX EXPERIMENTAL REACTOR J. Guidez (CEA) - France.
15.25 – 15.55	Coffee Break and Poster viewing
15.55 – 16.20	DEVELOPING RESEARCH REACTOR COALITIONS I. N. Goldman, P. Adelfang (IAEA)
16.20 – 16.45	REFURBISHMENT AND ACTIVITIES AT TAJOURA REACTOR F.A. Abutweirat, M. Abusta (Centre d'Etudes Nucléaires de Tajoura) – Lybia
16.45 – 17.10	IRRADIATION FACILITIES AT THE ADVANCED TEST REACTOR S. Blaine Grover (Idaho National Laboratory) - USA
17.10 – 17.35	CURRENT AND PROSPECTIVE FUEL TEST PROGRAMMES IN THE MIR REACTOR A. L. Izhutov, A.V. Burukin, S.A. Iljenko, V.A. Ovchinnikov, V.N. Shulimov, V.P. Smirnov (Research Institute of Atomic Reactors) – Russian Federation
18.00	Visit to the Beaujolais Region and AREVA Dinner Buses will directly leave from the Lyon Conference Center 

Tuesday 13 March 2007
Morning: 2 Parallel Sessions (II and III)

Session II (Salle Tête D'Or 1)
New Projects and Upgrades
Chairman: W. Petry (TU Munich) - Germany

8.30 – 8.55	STATUS OF THE HIGH FLUX ISOTOPE REACTOR AND THE REACTOR SCIENTIFIC UPGRADES PROGRAM D. L. Selby (Oak Ridge National Laboratory) - USA
8.55 – 9.20	NEW MODERATOR CHAMBER OF THE FRG-1 COLD NEUTRON SOURCE FOR THE INCREASE OF COLD NEUTRON FLUX W. Knop, P. Schreiner (GKSS-Forschungszentrum); D. Coors, D. Vanvor (AREVA) - Germany
9.20 – 9.45	STATUS OF MODERNIZATION AND REFURBISHMENT (M&R) ACTIVITIES OF THE IRT – RESEARCH REACTOR – SOFIA/INSTRUMENTATION AND CONTROL SYSTEM T. Apostolov, D. Drenski, I. Dimitrov (Nuclear Scientific Experimental Centre) - Bulgaria
10.10 – 10.45	Coffee Break and Poster viewing
10.45 – 11.10	CONCEPTUAL DESIGN OF A PRESSURIZED WATER LOOP FOR THE IRRADIATION OF 6 FUEL RODS IN THE JULES HOROWITZ REACTOR D. Moulin, B. Pouchin, D. Parrat, N. Schmidt (CEA Cadarache) - France
11.10 – 11.35	DEVELOPMENT OF HIGH TEMPERATURE CAPSULE FOR RIA-SIMULATING EXPERIMENT WITH HIGH-BURNUP FUEL T. Suzuki, M. Umeda (Japan Atomic Energy Agency) - Japan
11.35 – 12.00	OPERATIONAL SAFETY; REGULATORY REQUIREMENTS; ADVANCES AND EXPECTED OUTCOMES IN THE GHARR-1 COMPUTERISED CONTROL SYSTEM UPGRADE PROJECT S. Anim-Sampong, E. Amponsah-Abu, A.G. Ampong, E.H.K. Akaho, B.T. Maakuu, J.K. Gbadago, B.J.B. Nyarko, R.E. Quagraine, I. Ennison, M.A. Addo (Ghana Atomic Energy Commission) - Ghana

Session III – First Part (Salle Gratte Ciel 1,2,3)

Fuel Development

Chairman: C. Jarousse (AREVA-CERCA) - France

Fuel Manufacturing Aspects

8.30 – 8.55	UPDATE ON US HIGH DENSITY FUEL FABRICATION DEVELOPMENT C.R. Clark, G.A. Moore, J.F. Moore, J.F. Jue, D.E. Burkes (Idaho National Laboratory); T.C. Wiencek (Argonne National Laboratory) - USA
8.55 – 9.20	CHARACTERISATION AND TESTING OF MONOLITHIC RETR FUEL PLATES D.D. Keiser, J.F. Jue, D.E. Burkes (Idaho National Laboratory) - USA
9.20 – 9.45	MONOLITHIC UMO FULL SIZE PROTOTYPE PLATES FOR IRIS V IRRADIATION C. Jarousse (AREVA-CERCA), P. Lemoine, P. Boulcourt (CEA) – France; A. Röhrmoser, W. Petry (Technical University Munich) – Germany
9.45 – 10.10	2007 REPORT ON DEVELOPMENT PROGRESS ON LEU FUELS AND TARGETS IN ARGENTINA S. Balart, P. Cabot, O. Calzetta, J. Garcés, A.G. Gonzalez, J.D. Hermida, E. Pasqualini, H. Taboada (Comisión Nacional de Energía Atómica) - Argentina
10.10 – 10.45	Coffee Break and Poster viewing

Out Pile experiments

10.45 – 11.10	FABRICATION OF MONOLITHIC UAl₂ ROD BY THE POWDER METALLURGY METHOD C.K. Kim, K.H. Kim, J.S. Park, C.G. Ji, D.B. Lee (KAERI) - Korea
11.10 – 11.35	PHYSICO-CHEMICAL ASPECTS OF MODIFIED UMO/AL INTERACTION M. Cornen, F. Mazaudier, X. Iltis, M. Rodier, S. Dubois, P. Lemoine (CEA) - France
11.35 – 12.00	THE REACTION ZONE IN THE SYSTEM U-Mo/Al 6061 RELATED WITH THE DECOMPOSITION OF γ U-MO C. Komar Varela, M. Mirandou, S. Arico, S. Balart, L. Gribaudo (CAC CNEA) - Argentina
12.00 – 13.30	Lunch

Tuesday 13 March 2007

Afternoon: 3 Parallel Sessions (III – Second Part, IV and V)

Session III – Second Part (Salle Gratte Ciel 1,2,3)

Fuel Development

Chairwoman: S. Balart (CAC CNEA) – Argentina

Post Irradiation Examination results

13.30 – 13.55	RESULTS OF UMO DISPERSIVE FUEL PLATES IRRADIATIONS FOR FRM-II A. Röhrmoser, W. Petry (Technical University Munich) – Germany; Ch. Jarousse, J. Falgoux (CERCA), P. Boulcourt, A. Chabre, P. Lemoine (CEA) - France
13.55 – 14.20	NEUTRON POWDER DIFFRACTION OF U(MO) FUEL IRRADIATED TO 60 PERCENT BURNUP K.T. Conlon, D.F. Sears (Atomic Energy of Canada) – Canada
14.20 – 14.45	IMPROVED IRRADIATION BEHAVIOUR OF URANIUM-I MOLYBDENUM/ALUMINUM DISPERSION FUEL G. L. Hofman, Yeon Soo Kim, Ho Jin Ryu, M. Ross Finlay (Argonne National Laboratory), D. M. Wachs (Idaho National Laboratory) - USA
14.45 – 15.10	POST IRRADIATION EXAMINATION OF UMO MONOLITHIC MINIPLATES IRRADIATED IN RERTR-6 & RETR-7 M. Ross Finlay (ANSTO) – Australia; D. M. Wachs, A. Robinson (Idaho National Laboratory), G. L. Hofman (Argonne National Laboratory) - USA
15.10 – 15.40	Coffee Break and Poster viewing

Synthesis & Miscellaneous

15.40 – 16.05	COMPREHENSIVE OVERVIEW ON IRIS PROGRAM: IRRADIATION TESTS AND PIE ON HIGH DENSITY UMO/AI DISPERSION S. Dubois, J. Noirot, J.M. Gatt, M. Ripert, P. Lemoine, P. Boulcourt (CEA) - France
16.05 – 16.30	NOVEL TRENDS IN FUEL AND MATRIX ALLOYING TO REDUCE INTERACTION A.M. Savchenko, I.I. Konovalov, E.K. Malamanova, S.A. Ershov, Y.I. Petrov (A.A. Bochvar Institute of Inorganic Materials (VNIINM) - Russian Federation
16.30 – 16.55	POST-IRRADIATION EXAMINATION OF ALFENI CLADDED U₃SI₂ FUEL PLATES IRRADIATED UNDER SEVERE CONDITIONS A. Leenaers, S. Van den Berghe, E. Koonen (SCK CEN) – Belgium; S. Dubois, M. Ripert, P. Lemoine (CEA) - France
16.55 – 17.20	PROGRAM OF THE TRIAL OF LEAD TEST ASSEMBLIES IN THE WWR-K REACTOR F. Arinkin, P. Charkov, L. Chekushina, Sh. Gizatuln, K. Kadyrzhanov, S. Koltochnik, V. Nasonov, N. Romanova, A. Taliev, Zh. Zhotabaev, Zh. Zhumadilova (The Kazakhstan Ministry of Energy and Mineral Resources, The Institute of Nuclear Physics affiliated to the Kazakhstan National Nuclear Center) – Kazakhstan; N. Hanan (ANL) – USA



Session IV (Salle Tête D'Or 1)

Optimisation and Research Reactor Utilisation

Chairman: C. Piani (NECSA), South Africa

13.30 – 13.55	VIBRATION MONITORING AND DIAGNOSTIC OF THE IAER1 NUCLEAR RESEARCH REACTOR E. de Lima Benevenuti, D. Kao Sun Ting (Research Reactor Center and Nuclear Engineering Center of IPEN) - Brazil
13.55 – 14.20	NEW SILICON IRRADIATION RIG DESIGN FOR OPAL REACTOR P.Amos, S. Kim (ANSTO) – Australia
14.20 – 14.45	MEASUREMENT OF VOID FRACTION IN HYDROGEN MODERATOR USED FOR MODERATOR CELL OF HANARO COLD NEUTRON SOURCE Myong-Seop Kim, Jungwoon Choi, Young-Chil Kim, Dong-Gil Hwang, Sang-Beom Hong, Kye-Hong Lee (KAERI) - Korea
14.45 – 15.10	HFIR COLD NEUTRON SOURCE D. L. Selby (Oak Ridge National Laboratory) - USA
15.10 – 15.40	Coffee Break and Poster viewing
15.40 – 16.05	OPTIMIZATION OF THE POOLSIDE FACILITY FOR NEUTRON DOPING OF SILICON IN HIGH FLUX MATERIALS TESTING REACTOR BR2 V. Kuzminov et H. Blowfield (SCK-CEN) – Belgium
16.05 – 16.30	THE MATERIALS SURVEILLANCE PROGRAM FOR THE OPAL RESEARCH REACTOR R.P. Harrison, D.G. Carr, T. Wei, P.A. Stathers (ANSTO) - Australia
16.30 – 16.55	OVERVIEW OF THE IAEA ACTIVITIES ON SAFETY OF RESEARCH REACTORS A.M. Shokr (IAEA)

Session V (Salle Tête D'Or 2)
Innovative Methods in Research Reactor Physics
Chairman: G. Damm (Forschungszentrum Jülich)

13.30 – 13.55	MCNPX 2.6.C VS. MCNPX & ORIGEN-S: STATE OF THE ART FOR REACTOR CORE MANAGEMENT S. Kalcheva, E. Koonen (SCK-CEN) - Belgium
13.55 – 14.20	SIMULATION OF IRRADIATION OF A BUNDLE OF MOX FUEL RODS IN THE OMICO EXPERIMENT IN BR2 V. Kuzminov, H. Blowfield (SCK-CEN) – Belgium
14.20 – 14.45	DETERMINING MTR RIA LIMITS USING EXPERIMENTAL DATA S. E. Day (McMaster University) – Canada
14.45 – 15.10	SAFETY ANALYSIS OF RESEARCH REACTORS WITH BEST ESTIMATE COMPUTATIONAL TOOLS M. Adorni, A. Bousbia-Salah, F. D'Auria (University of Pisa) – Italy; R. Nabbi (Forschungszentrum Jülich) - Germany
15.10 – 15.40	Coffee Break and Poster viewing
15.40 – 16.05	KINETIC PARAMETERS CALCULATION AND MEASUREMENTS DURING THE OPAL COMMISSIONING D. F. Hergenreder, C. A. Lecot, E. A. Villarino (INVAP SE) – Argentina
16.05 – 16.30	DETERMINATION OF SAFARI-1 NEUTRON FLUXES BY MCNPX MODELLING OF FOIL EXPERIMENTS D. de Villers, A. Graham (South African Nuclear Energy Corporation Limited) – South Africa
16.30 – 16.55	SOPHISTICATED MCNP CALCULATION OF THE FLUX MAP OF FRJ-2 USING A FULLY NODALIZED MODEL P. Bourauel, R. Nabbi (Research Center Jülich) - Germany
20.00	<p>Conference Dinner The Conference Dinner will take place at the Chamber of Commerce of Lyon.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p align="center">Conference Dinner is organised thanks to the contribution of Nukem GmbH and Edlow International Company</p>

Wednesday 14 March 2007

Morning: 2 Parallel Sessions (VI – First part, VII – First part)

Session VI – First part (Salle Tête D'Or 1)
Safety, Operation and Research Reactor Conversion
Chairman: G. Bignan (CEA Cadarache) - France

Research Reactor Conversion

8.30 – 8.55	CONVERSION OF RESEARCH AND TEST REACTORS: STATUS AND CURRENT PLANS P. Staples, N. Butler, J. Roglans (U.S. DOE NNSA) – USA
8.55 – 9.20	SAFARI-1: ADJUSTING PRIORITIES DURING THE LEU CONVERSION PROGRAM C. Piani (NECSA) – South Africa
9.20 – 9.45	US UNIVERSITY REACTOR CONVERSION PROGRAM E. C. Woolstenhulme, D. M. Meyer (Idaho National Laboratory) – USA
9.45 – 10.10	RESULTS OF 14MW RESEARCH REACTOR CORE CONVERSION MEASURED AT LOW POWER M. Ciocanescu, M. Preda, C. Toma, G. Negut, D. Barbos, C. Iorgulis, M. Parvan (Institute for Nuclear Research) - Romania
10.10 – 10.40	Coffee Break and Poster viewing
10.40 – 11.05	SOME REQUIREMENTS FOR THE CONVERSION OF THE SYRIAN MNSR CORE M. Albarhoum (Atomic Energy Commission) – Syria
11.05 – 11.30	FUEL MANUFACTURE IN SOUTH AFRICA: THE ROAD TO CONVERSION, A PARTNERSHIP NESCA AND AREVA CERCA A. Kocher (AREVA CERCA) - France, RW Jamie (NESCA)
11.30 – 11.55	NEUTRONIC CALCULATIONS FOR CONVERSION OF ONE-ELEMENT CORES FROM HEU TO LEU USING MONOLITHIC UMO FUEL M.E.W. Englert, W. Liebert (IANUS) - Germany
11.55 – 12.20	ANALYSIS OF AN LEU FUEL WITH SPATIALLY DEPENDENT THICKNESS IN TWO DIMENSIONS R.T. Primm, R.J. Ellis (Oak Ridge National Laboratory) - USA

Session VII – First part (Salle Gratte Ciel 1,2,3)

Fuel Back-end Management

Chairman: G. Gruber (Nukem)

Reprocessing Aspects

8.30 – 8.55	GLOBAL THREAT REDUCTION INITIATIVE / RUSSIAN NUCLEAR MATERIAL K. Cummins (DOE/NNSA), I. Bolshinsky (INL/NNSA) – USA
8.55 – 9.20	THE JASON REACTOR: FROM CORE REMOVAL TO FUEL REPROCESSING P. Beeley, A. Williams, R. Lockwood (HMS Sultan); B. Raymond, N. Spyrou (University of Surrey)- UK; P. Auzière (AREVA) - France
9.20 – 9.45	RESEARCH AND TEST REACTOR FUEL TREATMENT AT THE AREVA NC LA HAGUE SITE E. Hélaïne, J.L. Emin, F. Gouyau, D. Lepoittevin, P. Bernard, (AREVA NC) - France
9.45 – 10.10	REPROCESSING OF RESEARCH REACTOR SPENT NUCLEAR FUEL AT THE PA 'MAYAK' D. Kolupaev, (PA Mayak) - Russian Federation
10.10 – 10.40	Coffee Break and Poster viewing
10.40 – 11.05	THE U. S. DEPARTMENT OF ENERGY / IDAHO NATIONAL LABORATORY'S RESEARCH REACTOR SPENT NUCLEAR FUEL ACCEPTANCE PROGRAM J. Wade (Department of Energy – Idaho Operations Office) - USA
11.05 – 11.30	INVESTIGATIONS TO THE BEHAVIOUR OF RESEARCH REACTOR FUEL ELEMENTS IN REPOSITORY RELEVANT AQUATIC PHASES H. Brücher, H. Curtius (Institute of Energy Research (IEF) – Germany
11.30 – 11.55	CORROSION OF SPENT RESEARCH REACTOR FUEL: THE ROLE OF SETTLED SOLIDS L. Ramanathan (IPEN) – Brazil; R. Haddad (CNEA) – Argentina; P. Adelfang (IAEA)
12.20 – 13.40	Lunch

Wednesday 14 March 2007

**Afternoon: 2 Parallel Sessions (VI – Second Part, VII – Second Part)
and Closing Session**

**Session VI – Second Part (Salle Tête D’Or 1)
Safety, Operation, and Research Reactor Conversion
Chairman: I. Vidovszky (AEKI)**

Safety, Operation

13.40 – 14.05	NEUTRONIC ANALYSIS FOR CONVERSION OF THE GHANA RESEARCH REACTOR-1 FACILITY USING MONTE CARLO METHODS AND UO₂ LEU FUEL Samuel Anim-Sampong, E.H.K. Akaho, B.T. Maakuu, J.K. Gbadabo (Ghana Atomic Energy Commission) – Ghana; J.J.R. Liaw, J.E. Matos, J.Rogllans-Ribas (Argonne National Laboratory) - USA
14.05 – 14.30	JRR-3 MAINTENANCE PROGRAM UTILIZING ACCUMULATED OPERATIONAL DATA H. Izumo, T. Kato, M. Kinase, Y. Torii, Yoji Murayama (JAEA) – Japan
14.30 – 14.55	RADIATION PROTECTION DESIGN OF THE FRMII W. Dittrich (AREVA), H. Zeisig (Technical University Munich) – Germany
14.55 – 15.20	IDENTIFICATION OF A LEAKING TRIGA FUEL ELEMENT AT THE NUCLEAR RESEARCH REACTOR FACILITY OF THE UNIVERSITY OF PAVIA A. Borio Di Tigliole, M. Cagnazzo, F. Lana, A. Losi, G. Magrotti, S. Manera, F. Marchetti, P. Pappalardo, A. Salvini, G.Vinciguerra (LENA – University of Pavia) - Italy
15.20 – 15.45	THE DALAT NUCLEAR RESEARCH REACTOR OPERATION AND CONVERSION STUDY STATUS Pham Van Lam, Nguyen Nhi Dien, Luong Ba Vien, Le Vinh Vinh, Huynh Ton Nghiem, Nguyen Kien Cuong (Nuclear Research Institute) - Vietnam

**Session VII – Second part (Salle Gratte Ciel 1,2,3)
Fuel Back-end Management
Chairwoman: C. Anne (NAC International) – USA**

Spent Nuclear Fuel Shipment

13.40 – 14.05	UNITED STATES FOREIGN RESEARCH REACTOR (FRR) SPENT NUCLEAR FUEL (SNF) ACCEPTANCE PROGRAMME: 2007 UPDATE C.E. Messick, J.L. Taylor (Foreign Research Reactor Spent Nuclear Fuel Acceptance Programme – U.S. Departement of Energy) – USA
14.05 – 14.30	UPDATE TN INTERNATIONAL TRANSPORTATION PROJECTS D. Ohayon, L. Mariette, V. Garcia (TN International AREVA Group) – France
14.30 – 14.55	PREPARATION AND PERFORMANCE OF THE LARGEST SHIPMENT OF IRRADIATED HEU FUEL ELEMENTS FROM SYDNEY TO THE UNITED STATES K. Hart, M. Anderson, L. Dimitrovski (ANSTO) – Australia; C. Anne, J. Adam (NAC International) - USA
14.55 – 15.20	THE EXPERIENCE OF SHIPPING SPENT NUCLEAR FUEL FROM UZBEKISTAN TO THE RUSSIAN FEDERATION B.S. Yuldashev, U. Salikhbaev (Institute of Nuclear Physics) – Uzbekistan; I. Bolshinsky, J. Thomas (US Departement of Energy) – USA; V. Tyazhkorob (Rosatom) - Russian Federation; Y. Golyapo (KATEP-AE)– Kazakhstan
15.20 – 15.45	POSSIBILITY OF A PARTIAL HEU-LEU TRIGA FUEL SHIPMENT M. Villa, T. Stummer, R. Khan, H. Böck, (University of Technology – Atomintstitute) - Austria
15.50 – 16.20	Coffee Break and Poster viewing
16.20 – 17.30	Closing Session Conclusion of Sessions presented by Chairpersons

Monday 12 – Wednesday 14 March

Poster Session

THE NEW AREA RADIATION MONITORING SYSTEM OF THE TRIGA NUCLEAR RESEARCH REACTOR FACILITY OF THE UNIVERSITY OF PAVIA

G. Magrotti, D. Alloni, A. Borio di Tigliole, M. Gagnazzo, M. Coniglio, S. Manera, M. Prata, A. Sa.vini, G. Scian (LENA – University of Pavia) – Italy

ASSESSMENT OF UTILIZATION OF PIN-TYPE FUEL ELEMENTS WITH CERMET FUEL AND LOWER THAN 20%²³⁵U ENRICHED URANIUM IN RESEARCH REACTORS OF UGRADED POWER

Yu.D. Baranaev, A.P. Glebov, A.D. Karpin, V. V. Popov (State Research Center of Russian Federation) – Russian Federation

SOURCE OF RADIONUCLIDES IN PRIMARY CIRCUIT WATER OF LVR-15 REACTOR

L. Viererbl, Z. Lahodova, V. Klupak, M. Marek, A. Voljanskij (Nuclear Research Institute) – Czech Republic

DEVELOPMENT OF INTEGRATED MANAGEMENT SYSTEM FOR THE RESEARCH REACTOR IN SOFIA

A. Stoyanova, K. Illieva (Institute for Nuclear Research and Nuclear Energy) – Bulgaria

HOMOGENEOUS SOLUTION REACTOR ANALYSIS FOR ⁹⁹MO PRODUCTION

A. Weir, E. Lopasso, C. Gho (Argentine Atomic Energy Commission) – Argentina

RESEARCH REACTOR SPENT NUCLEAR FUEL RECEIPT PROCESS AT THE IDAHO NATIONAL LABORATORY

J. Wade (DOE – ID), D. Luke, G. Borschel, M. Henesh, A. Robb (CH2M Washington Group Idaho)– USA

UPGRADING OF JRR-3/JRR-4 NEUTRON BEAM UTILITIES – FOR COLD NEUTRON BEAM AND BNCT

K. Yamamoto, I. Tamura, H. Kumada, T. Maruo (Japan Atomic Energy Agency) – Japan

SPENT FUEL STORAGE IN THE CASK SKODA VPVR/M

V. Broz, J. Rychecky (Nuclear Research Institute) – Czech Republic

U (AL, SI)₃ STABILIZATION BY ZR ADDITION

Luis M. Pizarro, Paula R. Alonso, Gerardo H. Rubiolo (CNEA) – Argentina

A STUDY ON POSSIBILITY OF USE OF LEU MR-6 TYPE FUEL FOR ADS DESIGN

M. Pestic (Vinca Institute of Nuclear Sciences) – Serbia

THERMAL CONDUCTIVITY OF HEAVY-ION-BOMBARDED U-MO/AL DISPERSION FUEL

R. Jungwirth, Chr. Pfeleiderer, W. Schmid, Chr. Bogenberger, A. Röhrmoser, W. Petry (TU München); N. Wieschalla (FRM 2) – Germany

CHARACTERIZATION OF MONOLITHIC FUEL FOIL PROPOERTIES AND BOND STRENGTH

D.E. Burkes, D.D. Keiser, D.M. Wachs, J.S. Larson, M.D. Chapple (Idaho National Laboratory) – USA

SAFETY ANALYSIS OF A 1-MW POOL-TYPE RESEARCH REACTOR

T. Hamidouche, H. Mazrou (Centre de Recherche Nucléaire d'Alger) – Algeria ; A. Bousbia-Salah (University of Pisa) – Italy

OSCAR-3 MCNP INTERFACE (OSMINT5) VERIFICATION AND VALIDATION

M. Belal, A.L. Graham, D. de Villiers (NECSA) – South Africa

THE CONVERSION OF TAJOURA CRITICAL ASSEMBLY FROM HEU TO LEU FUEL


A.K. Ajaj, O.A. Abulgasem (Centre d'Etudes Nucléaires de Tajoura) – Lybia


EFFECTS OF TI IN THE UMO/AL SYSTEM: PRELIMINARY RESULTS

M. Rodier, M. Cornen, F. Mazaudier, S. Dubois, P. Lemoine (CEA) – France

FULL CONVERSION OF MATERIALS AND NUCLEAR FUEL – RESEARCH & TEST – TRIGA SSR 14 MW

M. Preda (INR Pitesti) – Romania

RESULTS OF POST-IRRADIATION EXAMINATION OF THE (U-MO)–ALUMINIUM MATRIX INTERACTION RATE G.A. Birzhevoi, V.V. Popov (FSUE “SSC RF – IPPE”), O.A. Golosov, V.V. Shushlebin, V.A. Richkov, M.S. Lutikov (FSUE <i>RMI</i>), S.S. Gavrilin (<i>S&PA “LOOCH”</i>) – Russian Federation	
PLACA/DPLACA SIMULATION OF MONOLITHIC/DISPERSE UMO PLATES A. Denis, A. Soba (CNEA) – Argentina	
STRUCTURE STUDIES OF DISPERSED U-MO FUEL AFTER IRRADIATION AND ISOCHRONOUS ANNEALING WITHIN A TEMPERATURE RANGE OF 150-580 °C BY THE NEUTRON DIFFRACTION METHOD O.A. Golosov, V.B. Semerikov, A.E. Teplykh, M.S. Lyutikova (Institute of Nuclear Materials); E.F. Kartashev, V.A. Lukichev (NIKIET) – Russia	
REMOVAL OF SPENT NUCLEAR FUEL FROM KURCHATOV INSTITUTE RESEARCH REACTORS FOR REPROCESSING: PROBLEMS AND PLANS V.G. Volkov, A.A. Drozdov, YU.A. Zverkov, S.M. Koltyshev, I.A. Kuznetsov, V.D. Muzrukova, S.G. Semienov, S.YU. Fadin (Russian Research Centre “Kurchatov Institute”) – Russian Federation	
Thursday 15 March	
Technical Tours	
	
<small>Technical Tours are graciously sponsored by Nuclear Cargo + Service GmbH</small>	
8.20 – 17.30	Technical Tour to Institut Laue Langevin in Grenoble Departure at and return to Lyon Conference Center
8.20 – 17.30	Technical Tour to CERCA Romans Plant Departure at and return to Lyon Conference Center

Monday 12 - Wednesday 14 March	
Guided Tours through Old Lyon for accompanying persons	
	
<small>Guided Tours are graciously sponsored by Transrad</small>	
14.00 – 16.00	Monday 12 March 2007 Guided tour ‘Lyon Renaissance district and its ‘traboules’ Departure: Exit Metro Vieux Lyon, Avenue A. Max;
14.00 – 17.00	Tuesday 13 March 2007 Guided tour ‘ Silk Route’ Departure: In front of the ‘Canuts Wall’ (Mur des Canuts) at the corner of Rue Denfert Rochereau and Boulevard des Canuts
14.00 – 16.00	Wednesday 14 March 2007 Guided Tour ‘ The traboules of the Croix-Rousse hill and the famous Lyonnais’s mural’ Departure at Place de la Croix-Rousse, exit Metro ‘Croix-Rousse’