



Programme Committee

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Nikolai Archangelskiy, the State Atomic Energy Corporation ROSATOM, Russia

Sunday 21 April 2013

14:00 – 17:00 Guided bus tour of St. Petersburg

17:00 - 20:00 Pre-registration

19:00 – 20:00 Welcome Drink



Monday 22 April 2013

Mon 8:30 – 9:30 Opening Session

Chair: E. Koonen, SCK•CEN, Belgium; Co-chair: N. Archangelskiy, ROSATOM, Russian Federation

Welcome Addresses

Nikolai Archangelskiy, State Atomic Energy Corporation ROSATOM

News from major Russian R&D Installations

	THE FIRST CRITICALITY OF THE PIK REACTOR PLAN OF PREPARATION OF POWER START-UP	M. V. Kovalchuk (1), V. L. Aksenov (1), V. M. Samsonov (1), K. A. Konoplev (1), A. N. Erykalov (1), S. L. Smolsky (1), A. S. Zakharov (1), Yu. G. Dragunov (2), A. V. Lopatkin (2), I. T. Tretiyakov (2), R. P. Kvatbekov (2) 1 – NRC "Kurchatov Institute", Russian Federation 2 – JSC "NIKIET", Russian Federation
RRFM2013-A0086	PHYSICAL START-UP AND FIRST POWER OF THE IBR-2M MODERNIZED REACTOR	Ananiev, V. (1); Vinogradov, A. (1); Dolgich, A. (1); Pepelyshev, Y. (1); Rogov, A. (1) 1 - JINR, Russian Federation

Mon 9:30 – 10:50 International Programmes

Chair: E. Koonen, SCK-CEN, Belgium; Co-chair: N. Arkhangelskiy, ROSATOM, Russian Federation

RRFM2013-A0092	UNIQUE RESEARCH REACTOR FEATURES POTENTIALLY IMPACTING NUCLEAR SECURITY	Lolich, J. (1); Krychenkov, V. (1); Adelfang, P. (1) 1 - IAEA, Austria
RRFM2013-A0038	OVERVIEW OF THE INTERNATIONAL GLOBAL THREAT REDUCTION PROGRAM	Staples, P. (1) 1 - U.S. Department of Energy, National Nuclear Security Administration, Office of Global Threat Reduction, United States



RRFM2013-A0076 U.S. Progress in U-Mo Fuel Development

M.K. Meyer, D. M. Wachs, I. Glagolenko, D.D. Keiser, P. Medvedev, S. Miller, G. Moore, H. Ozatlun, F. Rice, B.H. Rabin, A. Robinson, N.E. Woolstenhulme, G.L. Hofman, Y.-S. Kim

- 1 - Idaho National Laboratory, United States
- 2 - Argonne National Laboratory, United States
- 3 - Los Alamos National Laboratory, United States
- 4 - Y-12 National Security Complex United States

10:50 – 11:20 Coffee break

Mon 11:20 – 12:20 Parallel Session: Fuel I

Chair: D. Wachs, Idaho National Laboratory, US

RRFM2013-A0037 OVERVIEW OF THE GLOBAL THREAT REDUCTION'S REACTOR CONVERSION PROGRAM Landers, C. (1)
1 - U.S. Department of Energy, National Nuclear Security Administration, Office of Global Threat Reduction, United States

15 YEARS OF U(MO) DISPERSION FUEL R&D IN EUROPE Van den Berghe S.
CEA, ILL, SCK•CEN, CERCA, TUM

RRFM2013-A0032 DEVELOPMENTS DONE ON U-MO-ZRY-4 MINIPLATES AND PLATES IN CNEA Lopez, M. (1); Picchetti, B. (1); Gonzalez, A. (1); Taboada, H. (1)
1 - Comisión Nacional de Energía Atómica, Argentina

Mon 11:20 – 12:20 Parallel Session: Utilisation I

Chair: I. Vidovszky, Hungary

RRFM2013-A0033 A NEW THERMO-HYDRAULIC TEST BENCH (BETHY) DEDICATED TO THE CALIBRATION OF A RADIOMETRIC CALORIMETER UNDER NON IRRADIATION CONDITIONS. De Vita, C. (1); Brun, J. (1); Carette, M. (1); Reynard-Carette, C. (1); Muraglia, M. (1); Lyoussi, A. (2); Guimbal, P. (2); Villard, J.-F. (2)
1 - Aix-Marseille Université, LISA EA 4672, France
2 - French Atomic Energy and Alternative Energies Commission: CEA, France

RRFM2013-A0065 COMPARISON BETWEEN A DIFFERENTIAL CALORIMETER AND A GAMMA THERMOMETER USED FOR NUCLEAR HEATING MEASUREMENTS IN MATERIAL TESTING REACTOR Fourmentel, D. (1); Lyoussi, A. (1); Reynald-Carette, C. (2); Villard, J.-F. (1); Malo, J.-Y. (1); Guimbal, P. (1); Carette, M. (2); Brun, J. (2)
1 - French Atomic Energy and Alternative Energies Commission. Nuclear Energy Division. Reactor Study Department. CEA/DEN/DE,



		France 2 - Aix-Marseille Univ, LISA EA4672, France
RRFM2013-A0018	GTRRN - A GLOBAL TRIGA RESEARCH REACTOR NETWORK	Hampel, G. (1); Böck, H. (2) 1 - University of Mainz, Institute of Nuclear Chemistry, Germany 2 - Vienna University of Technology, Atominstitute, Austria

12:20 – 13:20 Lunch

Mon 13:20 – 15:20 Parallel Session: Fuel II

Chair: A. Lyoussi, CEA, France

RRFM2013-A0094	FRM II / CERCA UMO ATOMIZER PROJECT STATUS	Schenk, R. (1); Petry, W. (1); Stepnik, B. (2); Jarousse, C. (2); Bourdat, G. (2); Moyroud, C. (2); Grasse, M. (2) 1 - Forschungs-Neutronenquelle Heinz Maier-Leibnitz (FRM II), Tech. Universität München, Germany 2 - AREVA FBFC, France
RRFM2013-A0097	FEASIBILITY OF COATED PARTICLE FUEL FOR A HIGH-PERFORMANCE, ULTRA-SAFE RESEARCH REACTOR	Hidayatullah, R.(1); Kim, Y.(1); Seo, C. G.(2) 1 - Korea Advanced Institute of Science and Technology, Korea, Republic of 2 - 1 - Korea Atomic Energy Research Institute, Korea, Republic of
RRFM2013-A0040	MODELING OF U-MO/AL DISPERSION FUEL PERFORMANCE	Ye, B. (1); Rest, J. (1); Kim, Y. S. (1); Hofman, G. (1) 1 - Nuclear Engineering Division, Argonne National Laboratory, United States
RRFM2013-A0043	HEAVY ION IRRADIATION OF NITRIDE AND SILICON COATED U-MO/AL AND U-MO-TI/AL FUEL	Jeong, Y. J. (1); Park, J. M. (1); Ryu, H. J. (1); Lee, Y. S. (1); Jungwirth, R. (2); Chiang, H.-Y. (2); Petry, W. (2) Zweifel, T. (2); Kim, W. J. (1) 1 - Korea Atomic Energy Research Institute, Korea, Republic of 2 - Technische Universität München (FRM II), Germany
RRFM2013-A0047	QUALIFICATION OF THE JHR FUEL ELEMENTS UNDER JHR OPERATING CONDITIONS	Anselmet-Vitiello, M.-C. (1); Lemoine, P.-M. (1); Koonen, E. (2); Claes, W. (2); Geens, F. (2); Van den Berghe, S. (2) 1 - CEA, France 2 - SCK.CEN, Belgium



RRFM2013-A0114	CORE PERFORMANCE IMPROVEMENTS USING HIGH DENSITY FUEL IN RESEARCH REACTORS	Villarino, E. (1) 1 - INVAP SE, Argentina
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Mon 13:20 – 15:20 Parallel Session: Utilisation II

Chair: J. Estrade, CEA, France

RRFM2013-A0015	NEW REACTOR EXPERIMENTS COURSE AT THE UNIVERSITY OF MASSACHUSETTS LOWELL	White, J. (1) 1 - University of Massachusetts Lowell, United States
RRFM2013-A0044	EVALUATION OF NUCLEAR REACTOR PHYSICS LABORATORY EDUCATION THROUGH REMOTE UTILIZATION OF RESEARCH REACTORS	Malkawi, S. (1); Al-Araidah, O. (1) 1 - Jordan University of Science & Technology, Jordan
RRFM2013-A0021	AN UPDATE OF THE MOLYBDENUM-99 MARKET: SUPPLY AND DEMAND, AND CONVERSION TO LOW-ENRICHED URANIUM (LEU) TARGETS	Cameron, R. (1); Peykov, P. (1) 1 - OECD Nuclear Energy Agency, France
RRFM2013-A0090	QUALIFICATION OF LEU TARGETS FOR MOLYBDENUM PRODUCTION AT THE HIGH FLUX REACTOR PETTEN	Bobeldijk, I. (1); Bakker, K. (1); Van Til, S. (1); Benneker, P. (1); Klaassen, F. (1); Van Lierop, A. (1); Stendert-Gerritsen, M. (1); Charpin-Jacobs, F. (1); Van der Marck, S. (1); Sciolla, C. (1); Siccama, A. (1); Baas, P. (1); † Wijtsma, F. (1) 1 - Nuclear Research and Consultancy Group (NRG), Netherlands
RRFM2013-A0030	ISOTOPE PRODUCTION FOR RADIOPHARMACEUTICAL PURPOSES AT FRM II	Gerstenberg, H. (1); Draack, A. (1); Henkelmann, R. (2); Harfensteller, M. (2) 1 - TU Muenchen; ZWE FRM II, Germany 2 - ITG GmbH, Germany
RRFM2013-A0034	CHARACTERIZATION OF DISPERSION MO-99 TARGETS USING ATOMIZED POWDER	Ryu, H. J. (1); Sim, M. (1); Nam, J. M. (1); Jang, S. J. (1); Kim, C. K. (1); Park, J. M. (1) 1 - Korea Atomic Energy Research Institute, Korea, Republic of

15:20 – 15:50 Coffee break



Mon 15:50 – 17:30 Parallel Session: Fuel III

Chair: S. Tozser, IAEA

RRFM2013-A0055	MONOLITHIC U8MO BASED FUEL ELEMENT DESIGNS FOR FRM II	Breitkreutz, H. (1); Röhrmoser, A. (1); Petry, W. (1) 1 - Forschungs-Neutronenquelle Heinz Maier-Leibnitz (FRM II), Technische Universität München, Germany
RRFM2013-A0060	PLAN AND PRELIMINARY CALCULATIONS FOR IR-8 REACTOR DURING CONVERSION TO LEU FUEL	Erak, D. (1); Nasonov, V. (1); Pesnya, Y. (1); Taliev, A. (1); Dubovskiy, Y. (1); Sidorenko, A. (1); Hanan, N. A. (2); Garner, P. L. (2) 1 - National Research Centre «Kurchatov Institute», Russian Federation 2 - Argonne National Laboratory, United States
RRFM2013-A0102	IRRADIATION OF SI AND ZRN COATED U(MO) DISPERSION PLATES AT HIGH POWER IN BR2 : FIRST PIE RESULTS ON THE SELENIUM PLATES	Leenaers, A. (1); Van den Berghe, S. (1); Detavernier, C.; 1 - SCK-CEN, Belgium 2 - Ghent University, Belgium
RRFM2013-A0089	HEAVY ION IRRADIATION ON MONOLITHIC UMO/AL LAYER SYSTEMS: INTERDIFFUSION LAYER ANALYSIS USING TEM AND NANO-XRD	Zweifel, T. (1); Chiang, H.-Y. (1); Palancher, H. (2); Bonnin, A. (3); Beck, L. (4); Weiser, P. (5); Döblinger, M. (6); Sabathier, C. (2); Jungwirth, R. (1); Charollais, F. (2); Lemoine, P. (2); Petry, W. (1) 1 - Forschungsneutronenquelle Heinz Maier-Leibnitz (FRM II), Germany 2 - CEA Cadarache, France 3 - ESRF Grenoble, France 4 - Beschleunigerlaboratorium des Maier-Leibnitz-Labors, Germany 5 - Walter-Schottky-Institut, Germany 6 - Department Chemie, Ludwig-Maximilians-Universität München (LMU), Germany
	HIGHLY ENRICHED URANIUM SPENT NUCLEAR FUEL FINAL SHIPMENT FROM UKRAINE	Dewes J. (1); Vyshnevskiy I. (2); Slysenko V. (2); Bodnar V. (2); Mazina N. (2); Makarovskiy V. (2); 1 - Savannah River National Laboratory, United States 2 - Kyiv Institute for Nuclear Research, Ukraine



Mon 15:50 – 17:30 Parallel Session: Operation and Maintenance I

Chair: A. Shokr, IAEA

RRFM2013-A0057	"HALDEN REACTOR: UPDATED APPROACHES FOR SAFE, RELIABLE AND VERSATILE RESEARCHES"	Elisenberg, T. (1) 1 - Institute for energy technology, Norway
RRFM2013-A0073	ANALYSIS OF THE CONTROL ROD INTERACTION EFFECT IN THE FIRST CORE OF RSG-GAS (MPR-30) REACTOR	Sembiring, T. M. (1); Liem, P. H. (2) 1 - National Nuclear Energy Agency of Indonesia (BATAN), Indonesia 2 - Nippon Advanced Information Service (NAIS Co. Inc.), Japan
RRFM2013-A0083	MAJOR EXPANSION OF NIST REACTOR EXPERIMENTAL AND OPERATIONAL CAPABILITIES	O'Kelly, S. (1) 1 - NIST Center for Neutron Research, United States
RRFM2013-A0087	OPERATIONAL AND MAINTENANCE ASSESSMENT OF RESEARCH REACTORS OMARR	Morris, C. (1) 1 - International Atomic Energy Agency, Austria
RRFM2013-A0014	IN-CORE FUEL MANAGEMENT OPTIMISATION WITHIN THE OSCAR-4 CODE SYSTEM	Schlunz, E. B. (1); Prinsloo, R. H. (1); Bokov, P. M. (1) 1 - The South African Nuclear Energy Corporation (Necsa), South Africa

Tuesday 23 April 2013

Tue 9:00 – 10:40 Parallel Session: Fuel IV

Chair: S. Van den Berghe, SCK-CEN, Belgium

RRFM2013-A0050	RBS STUDIES ON HEAVY ION IRRADIATION INDUCED DIFFUSION IN UMO/TRANSITION METAL/AL FUEL	Chiang, H.-Y. (1); Mayer, M. (2); Zweifel, T. (3); Jungwirth, R. (1); Petry, W. (1) 1 - Forschungsneutronenquelle Heinz Maier-Leibnitz, Technische Universität München, Germany 2 - Max-Planck-Institut für Plasmaphysik, EURATOM Association, Germany 3 - CEA, DEN, DEC, France
RRFM2013-A0101	LOW ENRICHED URANIUM FUEL FOR VVR-K REACTOR	Goncharov, Y. (1); Enin, A. (1); Zaporozhets, I. (1); Chakrov, P. (2); Gizatuln, S. (2); Arinkin, F. (2); Cherepnin, Y. (3) 1- JSC NCCP, Russian Federation 2-RSE INP, Republic of Kazakhstan 3-JSC NIKIET, Russian Federation



RRFM2013-A0067	POST-IRRADIATION EXAMINATION OF THE KOMO-5 IRRADIATION TEST FOR U-MO DISPERSION FUELS	Ryu, H. J. (1); Park, J. M. (1); Lee, K. H. (1); Yoo, B. O. (1); Jung, Y. H. (1); Jeong, Y. J. (1); Lee, Y. S. (1); Kim, Y. S. (2)
		1 - Korea Atomic Energy Research Institute, Korea, Republic of 2 - Argonne National Laboratory, United States

Tue 9:00 – 10:40 Parallel Session: Operation and Maintenance II

Chair: J. Stevens, ANL, US

RRFM2013-A0017	FISSION CHAMBER MODELLING FOR MTR USE	Filliatre, P. (1); Jammes, C. (1); Geslot, B. (2); Veenhof, R. (3)
		1 - CEA, DEN, DER, Instrumentation Sensors and Dosimetry Laboratory, France 2 - CEA, DEN, DER, Experimental Programs Laboratory, France 3 - RD51 Collaboration, CERN, Switzerland
RRFM2013-A0012	REPLACEMENT OF PUMPS IN PRIMARY COOLING CIRCUIT TO ENABLE FULL CORE CONVERSION IN MARIA REACTOR	Krzysztozek, G. (1); Mielezщенко, W. (1)
		1 - National Centre for Nuclear Research, Poland
RRFM2013-A0049	NEW DESIGN CONCEPT FOR PRIMARY COOLING SYSTEM OF MEDIUM POWER RESEARCH REACTORS	Kim, S. H. (1); Seo, K. (1); Yoon, J. (1); Lim, I. C. (1)
		1 - Korea Atomic Energy Research Institute, Korea, Republic of
RRFM2013-A0115	OPAL: SUCCESSFUL LONG SHUTDOWN IN LATE 2012	Storr, G. (1)
		1 - Australian Nuclear Science and Technology Organisation (ANSTO), Australia

10:40 – 11:00 Coffee break

Tue 11:00- 12:40 Parallel Session: Fuel V

Chair: G. Hampel, University of Mainz, Germany

RRFM2013-A0002	STATUS QUO OF THE STORAGE OF SPENT FUEL ELEMENTS FROM DECOMMISSIONED/DISMANTLED RESEARCH REACTORS IN GERMANY AND STRATEGY (APPROACH) FOR THEIR FUTURE STORAGE/MANAGEMENT	Dörr, S. (1); Bollingerfehr, W. (1); Filbert, W. (1); Tholen, M. (1)
		1 - DBE TECHNOLOGY GmbH, Germany
RRFM2013-A0003	CONVERSION COATINGS TO PROTECT AL-CLAD SPENT FUEL IN WET STORAGE	Fernandes, S. M. (1); Correa, O. (1); Souza, J. A. (1); Lima, N. (1); Ramanathan, L. (1); Antunes, R. (2); Oliveira, M. (3)



		1 - Instituto de Pesquisas Energéticas e Nucleares IPEN-CNEN/SP, Brazil 2 - Federal University of ABC, Brazil 3 - Electrocell Ind. Com. Equip. Elet. LTDA, Brazil
RRFM2013-A0006	THE IAEA ACTIVITIES IN SUPPORTING LONG TERM INTERIM STORAGE AND TAKE-BACK PROGRAMMES OF RRSNF	Tozser, S. (1); Adelfang, P. (1) 1 - International Atomic Energy Agency, Austria
RRFM2013-A0118	SPENT NUCLEAR FUEL MANAGEMENT AT THE SAVANNAH RIVER SITE (SRS)	DeLeon, E.(1) 1 - U.S. Department of Energy, United States
RRFM2013-A0019	HABOG: 10 YEARS POSITIVE EXPERIENCE, EXTENSION PLANNED	Verberg, M. (1); Codée, H. D. K. (1) 1 - COVRA N.V., Netherlands

Tue 11:00 - 12:40 Parallel Session: Innovative Methods

Chair: S. Curr, Rolls-Royce, United Kingdom

RRFM2013-A0023	RESULTS OF THE IAEA CRP ON BENCHMARKS AGAINST EXPERIMENTAL DATA ON NEUTRONICS AND THERMOHYDRAULIC COMPUTATIONAL CODES FOR OPERATION AND SAFETY ANALYSIS OF RESEARCH REACTORS	Ridikas, D. (1); Adelfang, P. (1); Shokr, A. (1) 1 - IAEA, Austria
RRFM2013-A0031	OPERATIONAL NEUTRONIC ANALYSIS FOR QUALIFICATION OF IRRADIATION EXPERIMENTS AIMED TO TEST LEU HIGH DENSITY FUEL AT BR2 HIGH FLUX MATERIALS TESTING REACTOR	Kuzminov, V. (1); Koonen, E. (1) 1 - SCK-CEN, Belgian Nuclear Research Centre, BR2, Belgium
RRFM2013-A0064	ITU TRIGA MARK II RESEARCH REACTOR: A BENCHMARK ANALYSIS WITH VARIOUS CODES	Türkmen, M. (1); Çolak, Ü. (2) 1 - Hacettepe University, Turkey 2 - İstanbul Technical University, Turkey
RRFM2013-A0081	BRANCHING TREATMENT OF N-CAPTURE TO ISOMER STATES IN ORIGEN ACTIVATION CODE AND CORRECTIONS IN THE COUPLED MONTEBURNS DEPLETION SYSTEM.	Röhrmoser, A. (1) 1 - TU Munich, Germany

12:40 – 13:40 Lunch

Tue 13:40 – 14:40 Poster Session



Tue 14:40 – 16:20 Parallel Session: Fuel VI

Chair: A. Röhrmoser, FRM II, Germany

RRFM2013-A0027	LOADING AND TRANSPORT OF IRRADIATED MTR FUEL LOOSE PLATES	Di Gasbarro, F. (1); Proietti, A. (1) 1 - Sogin S.p.A., Italy
RRFM2013-A0053	EXPERIENCE IN ORGANIZATION OF IRREGULAR SHIPMENTS OF RADIOACTIVE MATERIAL	Moses , S. D. (1); Buchelnikov, A. Y. (2); Komarov, S. V. (3); Derganov, D. V. (3); Komarov , S. N. (3) 1 - Oak Ridge National Laboratory, United States 2 - Rosatom State Corporation, Russian Federation 3 - Sosny R&D Company, Russian Federation
RRFM2013-A0072	CHARACTERISTIC INTERACTION BETWEEN GAMMA-RAYS AND WATER ON ACCELERATING THE CORROSION PROCESS IN CORE AND WET SPENT FUEL STORAGE.	Sunaryo, G. R. (1) 1 - Indonesia Nuclear Energy Agency (BATAN), Indonesia
RRFM2013-A0084	PREPARATION FOR THE TRANSPORTATION OF 152 CASKS OF TYPE CASTOR® THTR/AVR FROM THE RESEARCH CENTER JÜLICH TO THE INTERIM STORAGE FACILITY AHAUS	Dreesen, K. (1); Heck, M. (1) 1 - GNS Gesellschaft für Nuklear-Service mbH, Germany
RRFM2013-A0117	FSUE MAYAK PA POTENTIALS FOR REPROCESSING OF RESEARCH REACTOR SNF	Batorshin, G. S. (1); Pron, I. A. (1); Logunov, M. V. (1); Mashkin, A. N. (1); Kolupayev, D. N. (1); Golubkin, K. V. (1); Ermolin, V. S. (1) 1 - MAYAK Production Association, Russian Federation



Tue 14:40 – 16:20 Parallel Session: Utilisation III

Chair: H. Gerstenberg, Technical University of Munich, Germany

RRFM2013-A0058	VERIFICATION OF IRRADIATION PARAMETERS IN NEUTRON TRANSMUTATION DOPIN	Koleska, M. (1); Viererbl, L. (1); Lahodova, Z. (1); Ernest, J. (1); Soltes, J. (1); Stehno, J. (1); Marek, M. (1); Vonkova, K. (1) 1 - Research Centre Rez Ltd., Czech Republic
RRFM2013-A0071	FOCUS ON SAFETY IN TRAINING COURSES ON ISIS REACTOR	Foulon, F. (1); Lescop, B. (1); Wohleber, X. (2) 1 - National Institute for Nuclear science and Technology, CEA-Saclay, France 2 - Nuclear Reactors and Services Department, CEA-Saclay, France
RRFM2013-A0007	RECENT UTILIZATION OF THE SLOVENIAN TRIGA REACTOR	Smodiš, B. (1); Snoj, L. (1) 1 - Jožef Stefan Institute, Slovenia
RRFM2013-A0109	R&D RESULTS FOR THE FIRST-OF-THE-KIND NUCLEAR PROCESS COMPLEX DESIGNED FOR MEDICAL-PURPOSE ISOTOPE (99Mo, 89Sr) PRODUCTION BASED ON THE INNOVATIVE SOLUTION REACTOR TECHNOLOGY	Tretiyakov, I. (1); Kalashnikov, N. (1); Goryachikh, A. (1); Suvolokin, D. (1); Pavshuk, V. (2); Petrunin, N. (2); Myasnikov, S. (2); Kochnov, O. (3); Pozdeev, V. (3); Zavadsky, M. (4) 1 - JSC "NIKIET", Russian Federation 2 - NRC "Kurchatov Institute", Russian Federation 3 - JSC "NIFKhI", Russian Federation 4 - JSC "VNIPIET", Russian Federation

16:20 – 16:40 Coffee break

Tue 16:40 – 18:00 Parallel Session: Complementary Safety Assessment of RR following the Fukushima-Dai-Ichi NPP's Accident

Chair: Y. Barnea, IAEA

RRFM2013-A0026	SAFETY REVIEWS OF GERMAN RESEARCH REACTORS AS A CONSEQUENCE OF THE FUKUSHIMA ACCIDENT	Niedzwiedz, K. (1); Schneider, M. (1); Fischer, B. (1) 1 - The Federal Office for Radiation Protection, Germany
RRFM2013-A0028	THE REGULATORY IMPLICATIONS OF THE FUKUSHIMA-DAI-ICHI NPP'S ACCIDENT TO COMPLEMENTARY SAFETY ASSESSMENT OF RUSSIAN'S RR	Sapozhnikov, A. (1) 1 - Federal Environmental, Industrial and Nuclear Supervision Service of Russia, Russian Federation
RRFM2013-A0082	SAFETY RE-ASSESSMENT FOR THE TRIGA MAINZ	Hampel, G. (1); Eberhardt, K. (1); Stieghorst, C. (1) 1 - University of Mainz, Institute of Nuclear



		Chemistry, Germany
RRFM2013-A0099	IAEA PUBLICATION ON SAFETY REASSESSMENT OF RESEARCH REACTORS IN THE LIGHT OF THE FUKUSHIMA DAIICHI NUCLEAR POWER PLANT ACCIDENT	Shokr, A. M. (1); Abou yehia, H. (1); Adelfang, P. (2); Borio di tigliole, A. (2); Barnea, Y. (2) 1 - Research Reactor Safety Section, Department of Nuclear Safety and Security, IAEA, Austria 2 - Research Reactor Section, Department of Nuclear Energy, IAEA, Austria

Tue 16:40 – 18:00 Parallel Session: Utilisation IV

Chair: P. Adelfang, IAEA

RRFM2013-A0066	SLOWPOKE-II REFUELING - PAST EXPERIENCE AND NEW CHALLENGES	Grant, C. (1); Chilian, C. (2); Preston, J. (1); Kennedy, G. (2) 1 - International Centre for Environmental and Nuclear Sciences, University of the West Indies, Jamaica 2 - Ecole Polytechnique, Canada
RRFM2013-A0070	RAPID SHUT DOWN AND DECOMMISSIONING OF THE FINNISH TRIGA FIR 1 – DECISIONS AND PREPARATIONS	Auterinen, I. (1) 1 - VTT Technical Research Centre of Finland, Finland
RRFM2013-A0005	CONSEQUENCES FOR THE OPERATION AND DESIGN OF NUCLEAR REACTORS OF THE EXPERIENCE FEEDBACK FROM THE FUKUSHIMA ACCIDENT	Guidez, J. (1) 1 - CEA, FRANCE
	COLD NEUTRON SOURCES DEVELOPMENT AT RESEARCH REACTORS	Mityukhlyev, V. A. (1) 1 - Petersburg Nuclear Physics Institute (PNPI), Russian Federation

RRFM Conference Dinner



Wednesday 24 April 2013

Wed 9:00 – 10:20 Fuel VII

Chair: P. Adelfang, IAEA

RRFM2013-A0113	THE NEWEST CASK DESIGN FOR INTERNATIONAL SHIPMENTS IN SUPPORT OF RESEARCH REACTORS AND LABORATORIES STAKEHOLDERS: TN-LC PACKAGE	Guibert, N. (1) 1 - AREVA Transnuclear Inc., United States
RRFM2013-A0095	REMOVAL OF LEGACY PLUTONIUM MATERIALS FROM RESEARCH REACTOR FACILITIES IN SWEDEN	Gustafson, L. (1); Ringström, P. (2); Westerberg, K. (3); Ordéus, S. (1); Dunn, K. (4); Iyer, N. (4); Ewan, S. (5); Dickerson, S. (5) 1 - AB SVAFO, Sweden 2 - Vatenfall R&D, Sweden 3 - SKB International, Sweden 4 - Savannah River National Laboratory, United States 5 - U.S. Department of Energy, Office of Global Threat Reduction, United States
RRFM2013-A0096	FUEL CYCLE CLOSURE FOR URANYL NITRATE SOLUTIONS	Proietti, A. (1), Di Gasbarro, F. (1) 1 - Sogin, Italy
RRFM2013-A0106	GLOBAL THREAT REDUCTION INITIATIVE'S U.S.-ORIGIN NUCLEAR MATERIAL REMOVAL PROGRAM: 2013 UPDATE	Messick, C. (1); Galan, J. (1) 1 - U.S. Department of Energy, National Nuclear Security Administration, United States

10:20 – 11:00 Coffee break

Wed 11:00 – 13:20 New Projects

Chair: D. Ridikas, IAEA, Co-chair: I. Tretiyakov, NIKIET, Russian Federation

	MBIR: RUSSIAN MULTIPURPOSE RESEARCH FACILITY FOR THE FUTURE NUCLEAR POWER. STATUS AND PROGRESS OF THE PROJECT	Tuzov, A. (1); 1 - State Corporation ROSATOM, Russian Federation
RRFM2013-A0010	THE JULES HOROWITZ REACTOR: A NEW HIGH PERFORMANCES EUROPEAN MTR (MATERIAL TESTING REACTOR) WITH MODERN EXPERIMENTAL CAPACITIES: BUILDING AN INTERNATIONAL USER FACILITY	Estrade, J. (1); Bignan, G. (1); Bravo, X. (2) 1 - CEA DER/SRJH, France 2 - CEA DISN/RJH, France
RRFM2013-A0025	PUBLIC PERCEPTION ON NUCLEAR RESEARCH REACTORS IN NEW COMER	Abu Qdais, H. (1); Malkawi, S. (1); Malkawi, A. (1)



	STATES: A CASE STUDY FROM JORDAN	1 - Jordan University of Science and Technology, Jordan
RRFM2013-A0048	CONCEPTUAL NUCLEAR DESIGN OF THE KIJANG RESEARCH REACTOR	Seo, C. G. (1); Chae, H. T. (1); Lee, B. C. (1); Jun, B. J. (1); Lim, I. C. (1) 1 - Korea Atomic Energy Research Institute, Korea, Republic of
RRFM2013-A0080	PROGRESS OF KI-JANG RESEARCH REACTOR PROJECT	Lim, I. C. (1); Wu, S. I. (1); Kwon, Y. S. (1); Ha, J. J. (1) 1 - Advanced Reactor Development, Korea Atomic Energy Research Institute, Korea, Republic of
RRFM2013-A0100	IAEA PUBLICATION ON GOOD PRACTICES IN THE DEVELOPMENT OF THE TECHNICAL REQUIREMENTS FOR THE BIDDING PROCESS OF A NEW RESEARCH REACTOR	Barnea, Y. (1); Borio di tigliole, A. (1); Shokr, A. M. (2); Hargitai, T. (2); Abou yehia, H. (2); Adelfang, P. (1) 1 - Research Reactor Section, Department of Nuclear Energy; IAEA, Austria 2 - Research Reactor Safety Section, Department of Nuclear Safety and Security, IAEA, Austria
RRFM2013-A0108	PROJECT DEVELOPMENT FOR PROMISING POOL-TYPE RESEARCH REACTORS	Tretiyakov, I. (1); Sokolov, S. (1); Trushkin, V. (1); Kumatbekov, R. (1); Kravtsova, O. (1); Osipovich, S. (1); Nikel, K. (1); Goryachikh, A. (1) 1 - JSC "NIKIET", Russian Federation

Wed 13:20 – 14:00 Closing Session

Chair: E. Koonen, SCK•CEN, Belgium

Thursday 25 April 2013

Technical Tours



Poster

RRFM2013-A0001	FABRICATION OF POWDER FROM DUCTILE URANIUM ALLOYS FOR USE AS NUCLEAR DISPERSION	Durazzo, M. (1); Leal neto, R. M. (1); Rocha, C. J. (1); Urano de carvalho, E. F. (1); Riella, H. G. (2) 1 - Nuclear and Energy Research Institute - IPEN/CNEN-SP, Brazil 2 - Santa Catarina Federal University, Brazil
RRFM2013-A0008	DIFFUSION PAIRS OF UMO/ZRY AT DIFFERENT CONDITIONS	Picchetti, B. (1); López, M. (1); Lemos, L. (1) 1 - Comisión Nacional de Energía Atómica, Argentina
RRFM2013-A0013	A NEW IRRADIATION DEVICE AT THE THERMALIZING COLUMN OF RC-1 TRIGA REACTOR	Palomba, M. (1); Falconi, L. (1); Grossi, A. (1); Sepielli, M. (1); Bove, R. (1) 1 - ENEA, Italy
RRFM2013-A0016	INSTALLATION OF A NEUTRON RADIOGRAPHY FACILITY AT THE EDUCATIONAL REACTOR, AGN-201K	Kim, M. H. (1); Choi, J.-M. (1) 1 - Kyung Hee University, Korea, Republic of
RRFM2013-A0020	ARSENIC DETERMINATION IN COAL AND ASH SAMPLES BY NEUTRON ACTIVATION ANALYSIS	Esen, A. N. (1); Orucoglu, E. (2); Hacıyakupoglu, S. (3); Erenturk, S. (3) 1 - Istanbul Bilgi University, Faculty of Engineering, Turkey 2 - Istanbul Technical University, Faculty of Mines, Turkey 3 - Istanbul Technical University, Energy Institute, Turkey
RRFM2013-A0041	U-7MO ALLOY MICROSTRUCTURE EVOLUTION DURING IRRADIATION	Keiser, D. (1); Jue, J.-F. (1); Gan, J. (1); Miller, B. (1); Robinson, A. (1); Medvedev, P. (1) 1 - Idaho National Laboratory, United States
RRFM2013-A0046	STRESS CRITERIA OF FUEL ASSEMBLIES FOR STRUCTURAL INTEGRITY	Yim, J. (1); Kim, H. (1); Oh, J. (1); Tahk, Y. (1); Lee, B. (1) 1 - Korea Atomic Energy Research Institute(KAERI), Korea, Republic of
RRFM2013-A0061	TRIGA FUEL ELEMENT SIMULATION USING OPENFOAM	Vasconcelos a. Silva, V. (1); Campagnole dos Santos, A. (1); Mesquita, A. (1); Pereira, C. (2); Borges Lopes da Silva, P. S. (1) 1 - Centro de Desenvolvimento da Tecnologia Nuclear - CDTN/CNEN, Brazil 2 - Dept. de Engenharia Nuclear - Universidade Federal de Minas Gerais - UFMG, Brazil
RRFM2013-A0062	BENCHMARK CRITICALITY EXPERIMENTS FOR URANIUM-WATER HETEROGENEOUS CONFIGURATIONS WITH UZRCN LOW ENRICHED NUCLEAR FUEL	Sikorin, S. (1); Mandzik, S. (1); Polazau, S. (1); Hryharovich, T. (1); Damarad, Y. (1); Palahina, Y. (1) 1 - The Joint Institute for Power and Nuclear Research - Sosny of the National Academy of

		Sciences of Belarus, Belarus
RRFM2013-A0063	CONCEPT OF THE RESEARCH REACTOR FOR THE REPUBLIC OF BELARUS	Sikorin, S. (1); Kuvshinov, V. (1); Kazazyan, V. (1); Hryharovich, T. (1); Mikhalevich, A. (2); Akhramovich, A. (2); Kolos, V. (2) 1 - The Joint Institute for Power and Nuclear Research - Sosny of the National Academy of Sciences of Belarus, Belarus 2 - The Institute of Power of the National Academy of Sciences of Belarus, Belarus
RRFM2013-A0079	EXPERIMENTAL MEASUREMENTS OF A VOLUME, PRESSURE AND COMPOSITION OF GAS INSIDE SWELLING BUBBLES FORMED IN IRRADIATED FUEL ELEMENTS CONTAINING U-MO DISPERSION FUEL	Gosolov, O. A. (1); Nickolkin, V. N. (1); Lyutikova, M. S. (1); Bedin, V. V. (1) 1 - Institute of Nuclear Materials, Russian Federation
RRFM2013-A0085	THERMAL CONDUCTIVITY MEASUREMENTS OF IRIS-TUM U-8WT%MO DISPERSION FUEL	Huber, T. (1); Jungwirth, R. (1); Röhrmoser, A. (1); Petry, W. (1); Staicu, D. (2); Ernstberger, M. (2); Thiele, H. (2); Zappia, A. (2); Wachs, D. M. (3); Jarousse, C. (4); Stepnik, B. (4); Lemoine, P. (5); Valot, C. (5); Charollais, F. (5) 1 - Forschungs-Neutronenquelle Heinz Maier-Leibnitz, Technische Universität München, Germany 2 - European Commission, Joint Research Centre Institute for Transuranium Elements, Germany 3 - Fuel Performance and Design, Idaho National, United States 4 - AREVA-CERCA, France 5 - CEA, DEN, DEC, Cadarache, France
RRFM2013-A0088	HIGH RESOLUTION REACTOR MODELING FOR THE SIMULATION OF THE ACTIVITY DISTRIBUTION AND RADIATION FIELD AT THE GERMAN FRJ-2 RESEARCH REACTOR	Winter, D. (1); Abbasi, F. (1); Nabbi, R. (1); Simons, F. (1); Thomauske, B. (1); Damm, G. (2) 1 - RWTH Aachen - Institute of Nuclear Fuel Cycle (INBK), Germany 2 - Research Centre Juelich - Technical Infrastructure (TB), Germany
RRFM2013-A0091	THERMAL HYDRAULICS ANALYSIS OF THE JRR-3 REACTOR CORE USING THE COOLOD-N2 AND TMAP CODES	Albati, M. (1); Jo, D. (2); Park, J. (2); Chae, H. (2) 1 - University of Science and Technology (UST), KAERI Campus, Korea, Republic of 2 - Korea Atomic Energy Research Institute (KAERI), Korea, Republic of
RRFM2013-A0107	THE NEW TRIGA MARK-III REACTOR CORE AND ITS APPLICATIONS	Hernández, F.A. (1); Callejas, J. F. (1) 1 - Instituto Nacional de Investigaciones Nucleares, Mexico
RRFM2013-A0110	CALCULATED AND EXPERIMENTAL JUSTIFICATION OF A POSSIBILITY TO PROVIDE TEMPERATURE CONDITIONS FOR STRUCTURAL MATERIALS	Varivtcev, A. (1); Eremin, S. (1); Zhemkov, I. (1); Kozolup, A. (1); Plotnikov, A. (1); Poglyad, N. (1)



	IRRADIATED IN REACTOR BOR-60	1 - JSC "SSC RIAR", Russian Federation
RRFM2013-A0112	LIFETIME TESTS OF FUEL RODS WITH LOW NEUTRON POISONING	Klinov, A. (1); Kalinina, N. (1); Marikhin, N. (1); Pimenov, V. (1); Petelin, A. (1); Starkov, V. (1); Fedoseyev, V. (1); Mainskov, S. (1) 1 - JSC "SCC Research Institute of Atomic Reactors", Russian Federation