



IAEA

International Conference on Research Reactors



Sydney
5-9 November 2007
Safe Management and Effective Utilization

PROGRAMME

Organized by the
International Atomic Energy Agency (IAEA)

Hosted by the
Government of Australia

through the
Australian Radiation Protection
and Nuclear Safety Agency (ARPANSA)



Australian Government
Australian Radiation Protection
and Nuclear Safety Agency

IAEA Conference Secretariat:

Scientific Secretaries:	H. Abou Yehia P. Adelfang S. Paranjpe
Conference Coordination:	K. Morrison C. Coolbaugh
Administrative Support:	E. Bosch

Local Coordination:

M. Partridge
Australian Radiation Protection and
Nuclear Safety Agency

Location of the Conference:

Four Points by Sheraton Hotel
Darling Harbour
161 Sussex Street
Sydney NSW 2000
Tel: (61) (2) 9290 4000

Working Language:

English

Resolutions:

No resolutions may be submitted for consideration on any subject; no votes will be taken.

TIMETABLE

Monday, 5 November 2007

08:30	Registration
09:30-10:30	Session 1 Welcome & Opening Addresses
10:30-10:45	Coffee Break
10:45-12:15	Session 2 Experience with the Code of Conduct on the Safety of Research Reactors
12:15-13:30	Lunch Break
13:30-15:10	Session 3 Sustainable Utilization and Strategies
15:10-15:40	Coffee Break
15:40-17:00	Session 3 con't
19:00	Conference Dinner

Tuesday, 6 November 2007

08:30-10:10	Session 4(Part I) Safety Management and Operational Safety
10:10-10:30	Coffee Break
10:30-12:00	Session 4(Part I) con't
12:00-13:30	Lunch Break
13:30-15:10	Session 4(Part II)
15:10-16:10	Poster Session with refreshments
16:10-17:30	Session 5 Fast Flux Research Reactors

Wednesday, 7 November 2007

08:30-10:00	Session 6 Networking for Research Reactor Utilization
10:00-10:30	Coffee Break
10:30-12:00	Session 7(Part I) Regulatory Aspects and Experience with Current Research Reactor Issues Including Safety Aspects of Core Conversion
12:00-13:30	Lunch Break

13:30-15:10	Session 8 Specific Utilization Applications
15:10-16:10	Poster Session with refreshments
16:10-17:30	Session 9 Decommissioning and Waste Management

Thursday, 8 November 2007

08:30-10:00	Session 7(Part II)
10:00-10:30	Coffee Break
10:30-12:00	Session 10 Core Safety and Utilization Parameters
12:00-13:20	Lunch Break
13:20-15:20	Session 11 Programmes for the Minimization of the Use of HEU
15:20-16:20	Poster Session with refreshments
16:20-17:40	Session 12 New Research Reactor Projects

Friday, 9 November 2007

08:30-09:45	Session 13 Panel Discussion
09:45-10:30	Coffee Break
10:30-11:00	Session 14 Concluding Remarks and Closing
11:00	Depart for Technical Tour
approx. 18:00	Return to Sydney

SUNDAY, 4 NOVEMBER 2007

16:00–19:00 Registration

Welcome Reception

MONDAY, 5 NOVEMBER 2007

08:30 Registration

09:30–10:30 **SESSION 1:**
Welcome & Opening Addresses:

Representative of Australia
Representative of the IAEA

10:30–10:45 Coffee Break

10:45–12:15 **SESSION 2:**
Experience with the Code of Conduct on the
Safety of Research Reactors

Chairperson: L. Keen, Canada
Co-Chairperson: J. Loy, Australia

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
S-1/OR	J. Loy	Australia	30	Where to with the Code of Conduct on the Safety of Research Reactors (Invited)
S-69/OR	H. Abou Yehia	IAEA	20	Feedback from the Regional Meetings on the Application of the Code of Conduct and Updating of the IAEA Programme on Research Reactors Safety
S-3/OR	A. Sapozhnikov	Russian Federation	20	Effectiveness of Safety Regulation at Russian Research Reactors in Compliance with International Practice
S-4/OR	S. Tozser	Hungary	20	Some Operational Aspects of BRR's Management System with Respect to the Code of Conduct

12:15–13:30 Lunch Break

MONDAY, 5 NOVEMBER 2007

13:30–17:00 **SESSION 3:**
Sustainable Utilization and Strategies

Chairperson: R.N. Saxena, Brazil
Co-Chairperson: S.K. Paranjpe, IAEA

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
U-11/OR	S.L. Chaplot	India	30	Utilization Programmes For Low And Medium Flux Research Reactors
F-3/OR	L. Ramanathan	Brazil	20	A Corrosion Monitoring Programme for Research Reactor Spent Fuel Basins
U-40/OR	R.N. Saxena	Brazil	20	The IEA-R1 Research Reactor: 50 YEARS of Operating Experience and Utilization for Research, Teaching and Radioisotopes Production
U-43/OR	B.S. Yuldashev	Uzbekistan	20	The Utilization of 10 MW Research Reactor in Tashkent

15:10–15:40 **Coffee Break**

U-13/OR	B.J.B. Nyarko	Ghana	20	The 30 kW Research Reactor Facility in Ghana: Past, Present and Future Programmes
U-18/OR	W.H.A. Beere	Norway	20	The Halden Reactor Project: Experience gained in International Research
U-35/OR	M.I. Itoh	Japan	20	The Utilization of Research Reactors and related Facilities for the Supporting of Innovative Power Reactor and Related Fuel Cycle
U-9/OR	R. Rosa	Italy	20	RACE-T Experimental Activities - An Overview of the Subcritical Measurements Preliminary to the Accelerator Coupling Experiment

19:00 **Conference Dinner**

TUESDAY, 6 NOVEMBER 2007

08:30–12:00 **SESSION 4(Part I):**
Safety Management and Operational Safety

Chairperson: **J. Repussard, France**
Co-Chairperson: **C. Maloney, Australia**

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
S-5/OR	M.H. Voth	USA	20	Improvements in the Management of Safety in Research Reactor Operation through Appropriate Application of Selected Power Reactor Good Practices
S-41/OR	J. Boogaard	Netherlands	20	Safety Management at NRG-Petten
S-52/OR	D.K. Shukla	India	20	Safety Management and Effective Utilization of Indian Research Reactors APSARA, CIRUS and DHRUVA
S-45/OR	M. Latif	Pakistan	20	Ageing Management of Pakistan Research Reactor-1 (PARR-1)
S-40/OR	G. Bignan	France	20	The Safety Reassessment of Research Reactors in France

10:10–10:30 **Coffee Break**

S-50/OR	J. Repussard	France	30	Compatibility of Safety and Security
S-25/OR	M. Ciocanescu	Romania	20	Operational Safety Experience at 14 MW TRIGA Research Reactor from INR Pitesti, Romania
S-34/OR	A. Peršič	Slovenia	20	Ljubljana TRIGA MARK II: 40 Years of Successful Operation
S-39/OR	S. Nitiswati	Indonesia	20	Ageing Management Programme of Kartini Reactor for Safe Operation

12:00–13:30 **Lunch Break**

TUESDAY, 6 NOVEMBER 2007

13:30–15:10 SESSION 4 (Part II): Safety Management and Operational Safety

Chairperson: J. Boogaard, Netherlands
Co-Chairperson: A. Sapozhnikov, Russian Federation

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
S-51/OR	J. Couturier D. Rive (presented by)	France	20	Periodic Safety Review Management for French Research Reactors - Technical Support Organization Approach
S-57/OR	A.S. Vieira Neto	Brazil	20	Experience of IPEN-CNEN/SP in the Execution of the First Phase of the Safety Culture Enhancement Programme at IEA-R1 Brazilian Research Reactor
S-58/OR	J.-S. Wu	Korea, Rep. of	20	Development of Safety Performance Indicators for HANARO
S-46/OR	S. Margeanu	Romania	20	Emergency Intervention Plan for 14 MW TRIGA - Pitesti Research Reactor

15:10–16:10 Poster Session (Safety) with refreshments

	V. Diamond	Australia	10	Highlights of Posters on Safety
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16:10–17:30 SESSION 5: Fast Flux Research Reactors

Chairperson: M.Y. Khalil, Egypt
Co-Chairperson: J. Guidez, France

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
U-3/OR	J. Guidez	France	20	Analysis of Sodium-Cooled Fast Reactor Operations World-wide and Consequences for Future Reactor Design and Operation
U-31/OR	S. Gopala Iyengar	India	20	Two Decades of Operating Experience with the Fast Breeder Test Reactor
U-5/OR	M.Y. Khalil	Egypt	20	Budget Uncertainty and Minimum Detectable Concentrations Using Relative, Absolute and K0 – IAEA Standardization for the INAA Laboratory of the ETRR-2
U-20/OR	A.V. Bychkov	Russian Federation	20	Usage of the BOR-60 Reactor for Investigation of Advanced Fuel Cycles and Materials

WEDNESDAY, 7 NOVEMBER 2007

08:30–10:00 **SESSION 6:**
Networking for Research Reactor Utilization

Chairperson: S. Gopala Iyengar, India
Co-Chairperson: B.S. Yuldashev, Uzbekistan

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
U-25/OR	I.N. Goldman P. Adelfang (presented by)	IAEA	20	Developing Research Reactor Coalitions and Centres of Excellence
U-44/OR	P. Adelfang	IAEA	20	IAEA's Subprogramme on Research Reactors: Technology and Non-Proliferation
U-46/OR	S. Jovanović	Montenegro	20	Research Reactor Utilization in the Mediterranean Region: The Experience of Montenegro and Possibilities for Future Cooperation
U-16/OR	T.T. Shikama	Japan	20	Role of the Oarai Branch as a Facility open for University Researchers in Utilization of Research Reactors

10:00–10:30 **Coffee Break**

10:30–12:00 **SESSION 7(Part I):**
**Regulatory Aspects and Experience with
Current Research Reactor Issues Including
Safety Aspects of Core Conversion**

Chairperson: G. Torres Oviedo, Chile
Co-Chairperson: C.D. Perrin, Argentina

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
S-29/OR	A. Alwani B. Howden (presented by)	Canada	20	Canadian Experience in Implementing Modern Regulations of Existing Research Reactors
S-31/OR	A. Mikulski	Poland	20	The Role of Regulatory Authority in Safe Operation of Research Reactors
S-33/OR	C.D. Perrin	Argentina	20	Causal Factors Guide for the Evaluation of Accidents in Research Reactors
U-30/OR	J. Couturier C. Getrey (presented by)	France	20	Contribution of Research Reactors to the Programmes for Research and Technological Development on the Safety

12:00–13:30 **Lunch Break**

WEDNESDAY, 7 NOVEMBER 2007**13:30–15:10 SESSION 8:
Specific Utilization Applications****Chairperson: A.V. Bychkov, Russian
Federation****Co-Chairperson: S.L. Chaplot, India**

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
U-2/OR	T.V. Delorme	Netherlands	20	Experience with different methods for on-line and off-line detection of small releases of fission products from fuel elements at the HOR
U-7/OR	J. Medel Ruggero	Chile	20	Neutronic Analysis for the Fission Mo-99 Product by Irradiation of a LEU Target at RECH-1 Reactor
U-4/OR	S. Syarip	Indonesia	20	Root Cause Analysis of Swelling Problem in Kartini Reactor
U-23/OR	A.V. Alekseev A.V. Bychkov (presented by)	Russian Federation	20	Technique of Testing the VVER-1000 High Burnup Fuel Rods in MIR Reactor at the Design Basis RIA Parameters
U-41/OR	A.V. Vinogradov	Russian Federation	20	Realization of the IBR-2 Research Reactor Modernization Programme

15:10–16:10 Poster Session (Utilization) with refreshments**S.L. Chaplot**

India

10

Highlights of Posters on Utilization

**16:10–17:30 SESSION 9:
Decommissioning and Waste Management****Chairperson: G. Storr, Australia****Co-Chairperson: S. Tozser, Hungary**

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
DE-3/OR	J. Rowling	Australia	30	Overview of Research Reactor Decommissioning
DE-4/OR	P.J.C. Dinner	IAEA	15	International Decommissioning Network: A New Vehicle for Sharing Decommissioning Planning and Experience
WM-2/OR	M. Pešić	Serbia	20	Carbon Steel Construction Removal from Spent Fuel Storage Pool

THURSDAY, 8 NOVEMBER 2007

08:30–10:00 **SESSION 7(Part II):
Regulatory Aspects and Experience with
Current Research Reactor Issues Including
Safety Aspects of Core Conversion**

Chairperson: O. Harbitz, Norway
Co-Chairperson: H. Abou Yehia, IAEA

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
S-59/OR	J. Ward	Australia	20	Regulatory Review Methods: Review of the ANSTO Application for a Facility Licence to Operate the OPAL Research Reactor in Australia: Case Study Review of Operational Readiness
S-38/OR	M. Schneider	Germany	20	Research Reactors in Germany: An Overview
S-42/OR	D. Conte	France	20	The French Approach for the Regulation of Research Reactors
S-30/OR	G. Krzysztozek	Poland	20	MARIA Research Reactor Conversion to LEU Fuel

10:00–10:30 **Coffee Break**

10:30–12:00 **SESSION 10:
Core Safety and Utilization Parameters**

Chairperson: N. Arkhangelsky, Russian Federation
Co-Chairperson: J.L. Snelgrove, USA

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
S-36/OR	J.L. Snelgrove	USA	30	Status Report on Preparation of IAEA Guidelines for Qualification of Research Reactor Fuels
S-13/OR	C. Park	Korea, Republic of	20	Simulation of flow behavior in the HANARO reactor pool by using the MARS code
S-27/OR	B. Sevdik	Turkey	20	Experimental Measurements for Plate Temperatures of MTR Fuel Elements at Sudden Loss-of-Flow Accident and Comparison with Computed Results
S-60/OR	D.F. Hergenreder	Argentina	20	Contract Performance Demonstration Test in the OPAL

12:00–13:20 **Lunch Break**

THURSDAY, 8 NOVEMBER 2007

13:20–15:20 SESSION 11: Programmes for the Minimization of the Use of HEU

Chairperson: P. Lemoine, France (P)
Co-Chairperson: P. Adelfang, IAEA

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
F-8/OR	S.L. Dickerson	USA	30	Status of the United States Department of Energy's Nuclear Fuel Return Programmes
F-11/OR	J. Roglans-Ribas	USA	30	Conversion of Research and Test Reactors to Low Enriched Uranium Fuel: Technical Overview and Programme Status
F-12/OR	P. Lemoine	France	30	High Density Fuel Development for Research Reactors
	D. Wachs	USA		
S-35/OR	O.C. Reistad	Norway	20	Measuring Progress in Reactor Conversion and HEU Minimization Towards 2020 - The Case of HEU-fuelled Research Facilities

15:20–16:20 Poster Session (Fuel) with refreshments

	J.L. Snelgrove	USA	10	Highlights of Posters on Fuel
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16:20–17:40 SESSION 12: New Research Reactor Projects

Chairperson: A. Dela Rosa, Philippines
Co-Chairperson J. Roglans-Ribas, USA

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Time (min)</i>	<i>Title of Paper</i>
S-21/OR	A. Irwin	Australia	20	OPAL: Commissioning a New Research Reactor
S-23/OR	K.A. Konoplev	Russian Federation	20	Reactor PIK Status of Construction
S-37/OR	M. Summerfield	Australia	20	Licensing of the OPAL Reactor during Construction and Commissioning
S-24/PO	Y. Lobach	Ukraine	20	Concept for a New Research Reactor in Ukraine

FRIDAY, 9 NOVEMBER 2007

08:30–09:45 **SESSION 13:**
**Panel Discussion on Main Issues
and Trends in Safety Management and
Utilization of Research Reactors**

Chairperson:
J. Loy, Australia

Panellists:
K. Brockman, USA
O. Harbitz, Norway
J. Repussard, France
A. Dela Rosa, Philippines
J. Rowling, Australia
R.N. Saxena, Brazil
J.L. Snelgrove, USA
B.S. Yuldashev, Uzbekistan

09:45-10:30 **SESSION 14:**
**Conclusions and Recommendations
Closing**

Chairperson:
Ph. Jamet, IAEA

10:30-11:00 **Coffee Break**

11:00 **Depart for Technical Tour**

approx.18:00 **Return to Sydney**

LIST OF POSTERS

Posters: Safety

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
S-12/PO	H. Mazrou	Algeria	Safety Core Parameters Prediction in Research Reactors using Artificial Neural Networks: A Comparative Study of various Learning Algorithms
S-18/PO	S. Saadi	Algeria	Determining Degradation of Sensors used for Fuel Assemblies Cooling Temperature Measurement by the Analysis of Thermal Fluctuations Noise
S-43/PO	B. Djaroum	Algeria	Upgrading I&C for the Es Salam Research Reactor
U-48/PO	R. Kulak	Australia	Training and Qualification of Reactor Operating Personnel
S-26/PO	A. Mesquita	Brazil	Experimental Heat Transfer Analysis of the IPR-R1 TRIGA Reactor
U-1/PO	W. Chen	China	Appraisal for the Operation Safety of SPRR-300 in Recent Years
S-14/PO	J. Rataj	Czech Republic	Calculations and Measurements at the Training Reactor VR-1
S-54/PO	L. Sklenka	Czech Republic	Improvements of the Training Reactor VR-1 – Only Way how to be Attractive for Students and Scientists
S-44/PO	F. Foulon	France	Study of Temperature Effects on ULYSSE Reactor for Training and Qualification of Operating Personnel
S-17/PO	I.E. Stamatelatos	Greece	Monte Carlo Simulation of GRR-1 Core and Neutron Irradiation Positions Using MCNP
S-28/PO	F. Tzika I.E. Stamatelatos (presented by)	Greece	Radiological Characterization of the GRR-1 Pool
S-71/PO	A. Aszódi	Hungary	The Next 20 Years Operation of the 36 Years Old Hungarian Training Reactor
S-15/PO	T.M. Sembiring	Indonesia	Validation of the Monte Carlo Method of MVP Code on the First Criticality of Indonesian Multipurpose Reactor
S-16/PO	Setiyanto	Indonesia	Neutronic Analysis of RSG-GAS Silicide Core with Uranium Density of 4,8 g/cm ³
S-48/PO	D.H. Nugroho	Indonesia	Fault Position Estimation Using Color Segmentation Approach to the Thermal Infrared Image of a Cabling Network in the Nuclear Reactor
S-56/PO	G.R. Sunaryo	Indonesia	Water Chemistry Surveillance for Multi Purpose Reactor 30MW GA Siwabessy, Indonesia
U-51/PO	L. Pandi	Indonesia	Assessment of Qualification of RSG-GAS Reactor Operator in Indonesia

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
S-49/PO	Y. Perets	Israel	Developing an Ultrasonic NDE System for a Research Reactor Tank
S-70/PO	M. Sepielli	Italy	Neural Networks Application to CRDM and thermo-hydraulic Data Validation
U-32/PO	T. Hosoya	Japan	Investigation of JRR-3 Control Rod Worth changed with Burn Up of Follower Fuel Elements
S-72/PO	P. Chakrov	Kazakhstan	Project to Replace the Control and Protection System at the WWR-K Research Reactor
S-67/PO	Z. Masood	Malaysia	PUSPATI TRIGA Reactor: 25 Years of Safe Operation and Strategies for Ensuring Safety and Security
S-68/PO	J. Abdul Karim	Malaysia	Core Calculation of 1MW PUSPATI TRIGA Reactor (RTP) using Continuous Energy Method of Monte Carlo MVP Code System
S-73	A. Jraut	Morocco	Follow-up the Commissioning of the CENM TRIGA Mark II Reactor on Safety Level
S-10/PO	S.A. Jonah	Nigeria	Operational Experience and Programmes for Optimal Utilization of the Nigeria Research Reactor-1
S-32/PO	M.O. Ogharandukun	Nigeria	Regulatory Control of the Nigerian Research Reactor (NIRR-1)
S-47/PO	S. Margeanu	Romania	Comparative Dose Calculation for TRIGA HEU and LEU Fuel in Nuclear Accident Situations
S-8/PO	A. Hanioun	Syrian Arab Republic	Safety Analysis of MNSR Reactor during Reactivity Insertion Accident Using the Validated Code PARET
S-19/PO	C. Tippayakul	Thailand	Fuel Management Methodology Upgrade of Thai Research Reactor (TRR-1/M1) using SRAC Computer Code

Posters: Utilization

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
U-54/PO	M. Haque	Bangladesh	Operating Experience Utilization Programmes of the BAEC 3 MW TRIGA Mark-II Research Reactor in Bangladesh
U-55/PO	S. Abdul Latif	Bangladesh	Studies on Environmental Pollution in Bangladesh Using Reactor Based Neutron Activation Analysis Technique
U-8/PO	R. Pugliesi	Brazil	Improvement on Sensitivity for the Track - Etch Neutron Radiography
U-10/PO	A. Soares Leal	Brazil	New Perspectives for the TRIGA IPR-R1 Research Reactor
U-15/PO	C.B.R. Parente	Brazil	First Experiments in the IPEN-CNEN/SP PSD Neutron Powder Diffractometer
U-45/PO	K. Ilieva	Bulgaria	Future Utilization of the Research Reactor IRT in Sofia after its Reconstruction
U-38/PO	M. Marek	Czech Republic	Utilization of the LVR-15 Research Reactor at Rež
U-49/PO	K. Matejka	Czech Republic	Utilization of the VR-1 Training Reactor
U-28/PO	I.H. Auterinen	Finland	The 250 kW FiR 1 TRIGA Research Reactor - International Role in Boron Neutron Capture Therapy (BNCT) and Regional Role in Isotope Production, Education and Training
U-56/PO	T.M. Soentono	Indonesia	Feasibility Study of I ¹²⁵ Brachytherapy in Indonesia
U-17/PO	M. Santoso	Indonesia	Characterization of Airborne Particulate Matter at Urban and Rural Area in Bandung and Lembang Indonesia using Instrumental Neutron Activation Analysis
U-14/PO	M. Palomba	Italy	Characterization of a Neutron Collimator for Neutron Radiography Applications
U-33/PO	I. Ionita	Romania	Optimizing Conditions Suited for Stress Determinations in Q-Space Focusing Configurations
U-34/PO	I. Ionita	Romania	SANS Facility at the PITESTI 14MW TRIGA Reactor
U-19/PO	A.V. Bychkov	Russian Federation	RIAR Capabilities in Support of the Innovative Nuclear Technologies
U-21/PO	A. Klinov	Russian Federation	SM Reactor After Core Modernization
U-22/PO	V.A. Tsykanov A. Klinov (presented by)	Russian Federation	Set of Investigations of HFR Fuel Rods in Justification of their Serviceability and Safe Operation
U-12/PO	C.S. Lee	Korea, Republic of	Utilization of Irradiation Holes in HANARO
U-27/PO	S.H. Ahn	Korea, Republic of	Design and Installation of Fuel Test Loop in HANARO
U-42/PO	S.I. Wu	Korea, Republic of	Design Characteristics of Cold Neutron Source in HANARO
U-47/PO	W. Helal	Syrian Arab Republic	Pure Commercial Gold Foils as Neutron Monitor: Neutron Self-Shielding Assessment

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
U-50/PO	S. Nilsuwankosit	Thailand	Implementation of TRR-1/M1 for Thailand's Nuclear Engineering Programme

Posters: Fuel

<i>No of Paper IAEA-CN-156-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
F-4/PO	G.J. Storr	Australia	Converting HIFAR to Low Enriched Uranium Fuel
F-6/PO	S. Sarkar	Australia	The Regulatory Role of the Australian Radiation Protection and Nuclear Safety Agency in relation to Spent Fuel arising from Research Reactors in Australia
F-7/PO	J.A. Sarta Fuentes	Colombia	Design and construction of a Decay Pool at IAN-R1 Research Reactor
DE-1/PO	J. Kaulard S. Thierfeldt (presented by)	Germany	Safety Assessment for Decommissioning of Research Reactors – International Project on Evaluation and Demonstration of Safety during Decommissioning of Nuclear Facilities (DeSa)
WM-4/PO	A. Savidou	Greece	Further Development in Characterization of Radioactive Waste Drums by Non Destructive Gamma Spectrometry at GRR-1
F-1/PO	A.C. Dragolici	Romania	Al-Clad Spent Nuclear Fuel Corrosion Studies at Magurele Site, Romania
F-2/PO	M. Pesic	Serbia	VINCA Site Preparation for Spent Fuel Shipment
WM-5/PO	Dung Tran	Vietnam	Experimental Study of Systematic Errors of Gamma for Assay of Radioactive Waste Drums

PARTICIPATION IN IAEA SCIENTIFIC MEETINGS

Governments of Member States and those organizations whose activities are relevant to the meeting subject matter are invited to designate participants in IAEA scientific conferences and symposia. In addition, the IAEA itself may invite a limited number of scientists as invited speakers. Only participants designated or invited in this way are entitled to present papers and take part in the discussions.

Representatives of the press, radio, television or other information media and members of the public, the latter as "observers", may also be authorized to attend, but without the right to take part in the proceedings.

Scientists interested in participating in any of the IAEA meetings listed in this programme should request information from the governmental authorities of their own countries, in most cases the Ministry of Foreign Affairs or national atomic energy authority.

PUBLICATIONS

Proceedings

The proceedings of the conference will be published by the IAEA in unedited form as a CD-Rom and will be sent to all participants after the meeting.

Orders

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