



IAEA

International Atomic Energy Agency

**International Conference on the
Management of Spent Fuel from Nuclear Power
Reactors:
An Integrated Approach to the Back End of the
Fuel Cycle**

**IAEA Headquarters
Vienna, Austria**

15–19 June 2015

PROGRAMME

CONFERENCE PRESIDENT:

Fiona Rayment
Director, Fuel Cycle Solutions
National Nuclear Laboratory, UK

PROGRAMME COMMITTEE:

A. Bevilacqua	IAEA
G. Bruno	IAEA
J.P. Carreton	France
M. Chiguer	France
J. Davis	USA
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I. Mele	IAEA
G. Rothwell	OECD
T. Saegusa	Japan
P. Standing	IAEA
D. Wolff	Germany

IAEA CONFERENCE SECRETARIAT:

Scientific Secretaries:	P. Standing G. Bruno
Conference Rapporteur:	E. Warnecke
Conference Coordinators:	K. Morrison J. Zellinger
Administrative Support	A. Lazykina M. Neuenhaus

CONFERENCE LOCATION:

International Atomic Energy Agency
Vienna International Centre (VIC)
M Building (2nd floor)
IAEA Board Room A
1400 Vienna, Austria
Tel: (+43 1) 2600 21317

Conference website: <http://www-pub.iaea.org/iaeameetings/46528/>

Working Language: English

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

TIMETABLE

Monday, 15 June 2015

08:00	Registration and distribution of conference material
09:30 – 10:30	Opening Session
10:30 – 11:00	Coffee Break
11:00 – 12:45	Session 1: Spent Fuel Management Strategies
12:45 – 14:00	Lunch Break
14:00 – 15:15	Session 1 (cont'd): Spent Fuel Management Strategies
15:15 – 15:45	Coffee Break
15:45 – 16:45	Session 1 (cont'd): Spent Fuel Management Strategies
16:45 – 17:30	Poster Presentations, Discussion & Questions
17:30 - 18:00	Session 2: Status and Challenges in an Integrated Approach
18:00 – 20:00	Welcome Reception (M Building)

Tuesday, 16 June 2015

09:00 – 10:00	Session 2 (cont'd): Status and Challenges in an Integrated Approach
10:00 – 10:30	Coffee Break
10:30 – 12:15	Session 2 (cont'd): Status and Challenges in an Integrated Approach
12:15 – 14:00	Lunch Break
14:00 – 14:45	Session 2 (cont'd): Status and Challenges in an Integrated Approach
14:45 – 15:15	Poster Presentations, Discussion & Questions
15:15 – 15:45	Coffee Break
15:45 – 18:00	Session 3: Safety Aspects of Spent Fuel Management

Wednesday, 17 June 2015

09:00 – 10:15	Session 3 (cont'd): Safety Aspects of Spent Fuel Management
10:15 – 10:45	Coffee Break
10:45 – 12:00	Session 3 (cont'd): Safety Aspects of Spent Fuel Management
12:00 – 13:15	Lunch Break
13:15 – 16:10	Session 4: Ageing Management Programmes
16:10 – 16:30	Coffee Break
16:30 – 17:30	Session 5: Storage Options in Support of an Integrated Approach (Industry)
17:30 - 17:50	Poster Presentations, Discussion & Questions

Thursday, 18 June 2015

09:00 – 10:30	Session 5 (cont'd): Storage Options in Support of an Integrated Approach
10:30 – 11:00	Coffee Break
11:00 – 12:30	Session 6: Impact of the Front End of the Nuclear Fuel Cycle on the Back End
12:40 – 14:00	Lunch Break
14:00 – 14:45	Session 6 (cont'd): Impact of the Front End of the Nuclear Fuel Cycle on the Back End
14:45 - 15:15	Poster Presentations, Discussion & Questions
15:15 - 15:45	Coffee Break
15:45 – 17:45	Session 7: Research and Development Required to Deliver an Integrated Approach
17:45 – 18:00	Poster Presentations, Discussion & Questions

Friday, 19 June 2015

09:00 – 11:00	Session 7 (cont'd): Research and Development Required to Deliver an Integrated Approach
11:00 – 11:15	Coffee Break
11:15 – 12:00	Closing Session

Mobile Conference Application:

(for smart phones and tablets)

Participants may wish to download the conference application (App) available at *Google Play* and the *iTunes Store*.

Once downloaded, simply search for “IAEA Conference” where this conference will be featured.

The App. allows you to:

- put together your own schedule and view up-to-date programme information;
- view ppt presentations of those speakers who have permitted their release after the presentation;
- interact with other participants and using the App submit your questions/comments during the sessions, if you wish to do so;
- towards the end of the conference, we'd be very grateful if you would provide us with your feedback using the evaluation form available at the App.

If you have questions or require assistance on the App., please contact the Registration Desk, outside the conference room, Board Room A, M Building.

Poster Presentations:

Location: M Building

Each poster will be introduced at the respective session by the Co-chairperson.

All posters will be displayed for the entire duration of the conference.

As far as possible, authors are requested to be present at their posters during the coffee breaks for discussion with interested participants.

Monday, 15 June 2015

08:00 **Registration and distribution of
conference material**

09:30 – 10:30 **OPENING SESSION**

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:30 - 09:45	F. Rayment Conference President Director, Fuel Cycle Solutions National Nuclear Laboratory, UK			
09:45 – 10:00	Y. Amano IAEA Director General Opening Remarks			
10:00 – 10:30	W. Magwood Director General OECD Nuclear Energy Agency (NEA) A Holistic View of the Nuclear Fuel Cycle			
KN 01				

10:30 – 11:00 Coffee Break

11:00 - 17:30 **SESSION 1:
Spent Fuel Management Strategies**

Chairpersons: **D. Guoqing, China
D. Fox, UK**

11:00 – 11:30	INV 01	S. Kahook	Jordan	Nuclear Power and the Fuel Cycle Options for Jordan
11:30 – 11:45	01 - 01 / ID 73	T. Saegusa	Japan	Potential Interface Issues in Spent Fuel Management
11:45 – 12:00	01 - 02 / ID 48	D. Hambley	UK	Lessons Learned from a Review of International Approaches to Spent Fuel Management
12:00 – 12:15	01 - 03 / ID 1	H. Zaccai	WNA	Successful Strategy Development in Used Fuel Management – An Industry Perspective
12:15 – 12:30	01 - 04 / ID 33	Z. Qi	China	China Spent Fuel Management Strategy and Research and Development
12:30 – 12:45	01 - 05 / ID 93	C. Devron	France	Sustainable Cycle Solutions

12:45-14:00 Lunch Break

Monday, 15 June 2015

11:00 - 17:30 **SESSION 1 (CONT'D):
Spent Fuel Management Strategies**

Chairpersons: **D. Guoqing, China
D. Fox, UK**

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
14:00 – 14:15	01 – 06 / ID 111	K. Agarwal	India	The Management of Spent Fuel from PHWRs in India – An Integrated Approach
14:15 - 14:30	01 – 07 / ID 77	S. Lee	Korea, Republic of	Study of the Multilateral Management of Spent Fuel According to Korea's Power Supply Plant
14:30 – 15:00	INV 02	J. Fernandez Lopez	Spain	Spanish Strategy for the Management of Spent Nuclear Fuel – ATC Project
15:00 – 15:15	01 – 08 / ID 105	A. Khaperskaya	Russian Federation	Spent Nuclear Fuel Management System in the Russian Federation

15:15 – 15:45 Coffee Break

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
15:45 – 16:15	INV 03	C. Eckerberg	Sweden	Deep Geological Disposal of Spent Fuel in Sweden
16:15 – 16:30	01 – 09 / ID 26	S. Caruso	Switzerland	Spent Nuclear Fuel Management in Switzerland: Perspective for Final Disposal
16:30 – 16:45	01 – 10 / ID 2	E.J. Bonano	USA	Managing Spent Nuclear Fuel from Generation to Final Disposal: Integration of the Back End of the Nuclear Fuel Cycle
16:45 – 17:00		Co-Chair		Poster Presentations
17:00 – 17:30				Discussion & Questions

Monday, 15 June 2015

17:30 – 18:00 **SESSION 2**
Status and Challenges in an
Integrated Approach

CHAIRPERSONS: **B. Droste, Germany**
M. Chiguer, France

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
17:30 – 18:00	KN 02	P. Swift	USA	How Spent Nuclear Fuel Management Options Might Affect Geologic Disposal
18:00 – 20:00		Welcome Reception		(M Building, Ground Floor)

Tuesday, 16 June 2015

09:00 – 10:00 **SESSION 2 (cont'd)**
Status and Challenges in an
Integrated Approach

Chairpersons: **B. Droste, Germany**
 M. Chiguer, France

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00 – 09:15	02 – 01 / ID 50	J. Gerža	Czech Republic	History and Current Status of Spent Fuel Management at Dukovany Nuclear Power Plant
09:15 – 09:30	02 – 02 / ID 86	P. Maaranen	Finland	Enlargement of the Olkiluoto Spent Fuel Interim Storage
09:30 – 09:45	02 – 03 / ID 17	H. Völzke	Germany	Long Term Storage of Spent Nuclear Fuel and HLW in Dual Purpose Casks Towards Disposal – Challenges and Perspectives
09:45 – 10:00	02 – 04 / ID 49	T. Ishikawa	Japan	Design and Construction Work Experience of Interim Storage Facility for Spent Fuels
10:00 - 10:30	Coffee Break			
10:30 – 10:45	02 – 05 / ID 134	S. Kirilov	Russian Federation	Status and Prospect of Spent Nuclear Fuel Reprocessing at Mayak Plant
10:45 – 11:00	02 – 06 / ID 116	V. Vo Van	France	Safe Solutions for Transport and Dry Storage of Defective Fuel Rods
11:00 – 11:15	02 – 07 / ID 130	S. Perepelkin	Russian Federation	Russian Experience and Proposals on Management of Non – Conforming Spent Nuclear Fuel of RBMK Reactors
11:15 – 11:30	02 – 08 / ID 135	G. Ashworth	UK	Retrieval of Damaged Fuel from Wet and Dry Storage Using Innovative Remote Handling Techniques

Tuesday, 16 June 2015

11:30 – 15:15 **SESSION 2 (cont'd)**
Status and Challenges in an
Integrated Approach

CHAIRPERSONS: **B. Droste, Germany**
M. Chiguer, France

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
11:30 – 11:45	02 – 09 / ID 138	Y. Kumano	IAEA	DPC Safety Case Development
11:45 – 12:00	02 – 10 / ID 32	B. Droste	Germany	Ageing Mechanisms Influence on Transport Safety of Dual Purpose Casks for Spent Nuclear Fuel
12:00 – 12:15	02 – 11 / ID 151	C. McCombie	Switzerland	Regional Cooperation on Spent Fuel Management: Status and Prospects in Europe, Arab Regions and Asia
12:15 - 14:00	Lunch Break			
14:00 – 14:15	02 – 12 / ID 136	B. Bonnardel-Azzarelli	WNTI	Industry Experience on Back End Transport
14:15 – 14:30	02 – 13 / ID 95	S. Laârouchi Engstroem,	Sweden	Licensing of the Swedish Deep Geological Disposal of Spent Fuel
14:30 – 14:45	02 – 14 / ID 25	J. Andersson	Sweden / Finland	Challenges in Developing the Basic Design of the KBS-3 System into a Qualified and Industrially Viable Operation
14:45 – 14:55		Co-Chair		Poster Presentations
14:55 - 15:15				Discussion & Questions
15:15 – 15:45	Coffee Break			

Tuesday, 16 June 2015

**15:45 - 18:00 SESSION 3
Safety Aspects of Spent Fuel
Management**

**CHAIRPERSONS: F. Besnus, France
D. Wolff, Germany**

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
15:45 – 16:15	KN 03	I. Le Bars	France	Safety and Technological Aspects of Spent Fuel Management
16:15 – 16:30	03 – 01 / ID 74	J. Heinonen	Finland	Regulatory Experiences from Implementation of Spent Nuclear Fuel Disposal Programme from Site Selection to Construction of Disposal Facility – the Finnish Case
16:30 – 16:45	03 – 02 / ID 54	A. Hagros	Finland	Development of Long Term Safety Requirements for an Alternative Design Variant (KBS-3H) for Spent Fuel Disposal
16:45 – 17:00	03 – 03 / ID 51	I. Reiche	Germany	Transport Aspects of Spent Fuel Management
17:00 – 17 :15	03 – 04 / ID 88/132	V. Chrapciak / J. Vaclav	Slovak Republic	Spent Fuel Transport Container C-30
17:15 – 17:30	03 – 05 / ID 128	M. Bailey	USA	Activities of the OECD/NEA/CSNI WG on Fuel Cycle Safety in Spent Fuel and High Level Waste Management
17:30 – 17:45	03 – 06 / ID 23	K. Doğan	Turkey	Consequences of Long Term Black Out Accident on Spent Fuel Pool for VVER-1200
17:45 – 17:50		Co-Chair		Poster Presentations
17:50 – 18:00				Discussion & Questions

Wednesday, 17 June 2015

09:00 - 12:00 **SESSION 3 (cont'd)**
Safety Aspects of Spent Fuel
Management

Chairpersons: **F. Besnus, France**
 D. Wolff, Germany

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00 – 09:30	INV 04	T. Ihara	Japan	Spent Fuel Storage at Fukushima Daiichi Nuclear Power Plant
09:30 – 09 :45	03 – 07 / ID 100	J. Palmes	Germany	Interim Storage of Spent fuel in Germany - History, State and Prospects
09:45 – 10:00	03 – 08 / ID 97	D. Racimor	France	Lessons Learned from a Periodic Safety Review, Applied to the Design of New Nuclear Fuel Cycle Facilities
10:00 – 10:15	03 – 09 / ID 38	K. Linnenman	Germany	Aspects of Spent Fuel Behaviour Assessment for Transport Packages
10:15 - 10:45	Coffee Break			
10:45 – 11 :00	03 – 10 / ID 62	K. Shirai	Japan	Evaluation of Sealing Performance of Metal Gasket used in Dual Purpose Metal Cask Subjected to an Aircraft Engine Missile
11:00 – 11:15	03 – 11 / ID 104	D. Garrido Quevedo	Spain	Fabrication Thermal Test Methodology for a Safe Cask Thermal Performance
11:15 – 11:30		Co-Chair		Poster Presentation
11:30 – 12:00				Discussion & Questions
12:00 - 13:15	Lunch Break			

Wednesday, 17 June 2015

13:15 – 16:30 **SESSION 4:
Ageing Management Programmes**

Chairpersons: **J. Kessler, USA
T. Saegusa, Japan**

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
13:15 – 13:45	INV 05	Y. Liu	USA	Managing Ageing Effects on Dry Cask Storage Systems for Extended Long Term Storage and Transportation of Used Fuel
13:45 – 14:00	04 – 01 / ID 81	C. Shelton	France	Ageing Management Solutions to Ensure Safety of Extended Dry Fuel Storage
14:00 – 14:15	04 – 02 / ID 127	J. Davis	USA	Renewing Dry Spent Fuel Storage Certificates of Compliance and Specific Licenses
14:15 – 14:30	04 – 03 / ID 79	J. Kishimoto	Japan	Demonstration Test Programme for Long Term Dry Storage of Pressurised Water Reactor Spent Fuel
14:30 – 14:45	04 – 04 / ID 59	K. Sorenson	USA	The High Burnup Confirmatory Data Project
14:45 – 15:00	04 – 05 / ID 36	M. Jaunich	Germany	Performance of Elastomer Seals in Transport and Storage Casks
15:00 – 15:15	04 – 06 / ID 78	J. Kishimoto	Japan	Mechanical Properties of Aluminium Alloys for Transport and Storage Cask After Long Term Storage
15:15 – 15:30	04 – 07 / ID 85	J. Scaglione	USA	A Unified Spent Nuclear Fuel Database and Analysis System
15:30 – 15:45	04 – 08 / ID 153	J. Kessler	USA	The CRP on Demonstrating Performance of Spent Fuel and Related Storage System Components during Very Long Term Storage (CRP TI 3014)
15:45 – 16:55		Co-Chair		Poster Presentations
15:55 – 16:10				Discussion & Questions

16:10 – 16:30 Coffee Break

Wednesday, 17 June 2015

16:30 – 17:50 SESSION 5 Storage Options in Support of an Integrated Approach (Industry)

Chairpersons: **C. Ganguly, India**
J. Davis, USA

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
16:30 – 16:45	05 - 01 / ID 67/68/80	J. Garcia	France	AREVA Operational Experience in Interim Dry Storage
16:45 – 17:00	05 – 02 / ID 103	T. Makarchuk	Russian Federation	Experience for Cask Technology of Spent Nuclear Fuel Management
17:00 – 17:15	05 – 03 / ID 147	R. Springman	USA	Multi-Purpose Canisters for Long Term Storage
17:15 -17:30	05 – 04 / ID 148	W. Woodward	USA	Underground Interim Storage of Spent Nuclear Fuel HI – Storm UMAX
17:30 – 17:40		Co-Chair		Poster Presentations
17:40 – 17:50				Discussion & Questions

Thursday, 18 June 2015

09:00 – 10:30 **SESSION 5 (cont'd)**
Storage Options in Support of an
Integrated Approach (Industry)

Chairpersons: **C. Ganguly, India**
 J. Davis, USA

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00 – 09:30	INV 06	P. Hallington	UK	50 years of the Magnox Reprocessing Plant at Sellafield Site United Kingdom (50 not out)
09:30 – 09:45	05 – 05 / ID 99	R. Kellar	USA	Spent Fuel Storage Integration in the US Planning for Storage and Transportation
09:45 – 10:00	05 – 06 / ID 34	R. Stoll	USA	Development of an Execution Strategy Analysis (ESA) Capability and Tool for Storage of Used Nuclear Fuel (UNF)
10:00 – 10:15	05 – 07 / ID 83	J. Carter	USA	Design Concepts and Options for Consolidated Interim Storage in the United States
10:15 – 10:20		Co-Chair		Poster Presentations
10:20 – 10:30				Discussion & Questions
10:30 – 11:00	Coffee Break			

11:00 – 15:15 **SESSION 6:**
Impact of the Front End of the Nuclear
Fuel Cycle on the Back End

Chairpersons: **A. Bychkov, Russian Federation**
 J.P. Carreton, France

11:00 – 11:10	06 – 01 / ID 153	A. Bychkov	Russian Federation	Introduction on INPRO
11:10 – 11:40	KN 04	M.S. Yim	Korea, Republic of	Influence of Fuel Design and Reactor Operation on Spent Fuel Management

Thursday, 18 June 2015

11:40 – 15:15 **SESSION 6 (cont'd)**
**Impact of the Front End of the Nuclear
Fuel Cycle on the Back End**

Chairpersons: **A. Bychkov, Russian Federation**
 J.P. Carreton, France

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
11:40 – 11:55	06 – 02 / ID 27	M. Chiguer	France	How Innovative Approaches and Technologies throughout the Fuel Cycle are Supporting Nuclear Power Plant Operations while Anticipating Future Back End Challenges
11:55 – 12:10	06 – 03 / ID 76	G. Spykman	Germany	Specific Aspects of High Burnup or Mixed Oxide Fuel Rods During Dry Storage
12:10 – 12:25	06 – 04 / ID 106	Y. Fedorov	Russia	Multiple Recycle of Remix Fuel Based on Reprocessed U and Pu Mixture in Thermal Reactor
12:25 – 12:40	06 – 05 / ID 122	J. García de la Infanta Bello	Spain	On the Impact of the Fuel Assembly Design Evolution in Spent Fuel Management
12:40 – 14:00	Lunch Break			
14:00 – 14:15	06 – 06 / ID 15	Y. Kovbasenko	Ukraine	Comparative Analysis of Isotope Composition of VVER-1000 WESTINGHOUSE and TVEL Spent Fuel
14:15 – 14:30	06 – 07 / ID 112	V. Ivanov	Russian Federation	Closed Nuclear Fuel Cycle with Fast Reactors and Dense Fuel
14:30 – 14:45	06 – 08 / ID 98	A. Shadrin	Russian Federation	Reprocessing of BREST Reactor Mixed Nitride Spent Nuclear Fuel
14:45 – 15:00		Co-Chair		Poster presentations
15:00 – 15:15				Discussion & Questions
15:15 – 15:45	Coffee Break			

Thursday, 18 JUNE 2015

15:45 – 18:00 **SESSION 7**
Research and Development Required to
Deliver an Integrated Approach

Chairpersons: **K. Shirai, Japan**
 B. Hanson, USA

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
15:45 – 16:15	INV 07	B. Boullis	France	The French Nuclear Fuel Cycle: Current Status and Possible Future Solutions
16:15 – 16:30	07 – 01 / ID 4	F. Takats	Hungary	The IAEA CRP BEFAST and SPAR – 34 Years of Experience with the Storage of Spent Fuel and Facility Components
16:30 – 16:45	07 – 02 / ID 37	J. Desquines	France	Influence of Decaying Stress and Temperature on Radial Hydride PPT in Zr 4 Claddings
16:45 – 17:00	07 – 03 / ID 75	T. Hirose	Japan	Fuel Rod Mechanical Behaviour Under Dynamic Load Condition on High Burnup Spent Fuel of BWR and Pressurized Water Reactor
17:00 – 17:15	07 – 04 / ID 52	A. Smaizys	Lithuania	Evaluation of Radiation Characteristics of Spent RBMK-1500 Nuclear Fuel Storage Casks During Very Long Term Storage
17:15 – 17:30	07 – 05 / ID 65	M. Wataru	Japan	CRIEPI's Studies on the SCC of the Canister for Spent Nuclear Fuel
17:30 – 17:40		Co-Chair		Poster presentations
17:40 – 17:50				Discussion & Questions

Friday, 19 June 2015

09:00 – 11:00 **SESSION 7 (cont'd)**
Research and Development Required
to Deliver an Integrated Approach

Chairpersons: **K. Shirai, Japan**
B. Hanson, USA

<i>Time</i>	<i>No. of Paper IAEA-CN-226</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
09:00 – 09:15	07 – 07 / ID 37	J. Kyffin	UK	Technological Development to Support a Change in United Kingdom's Strategy for Management of Spent AGR Oxide Fuel
09:15 – 09:30	07 – 08 / ID 72	A. Ryoji	Japan	Development of SCC Resistant Canisters For Spent Fuel Storage and Transport
09:30 – 09 :45	07 – 09 / ID 3	S. Salzstein	USA	Investigations of SCC on Spent Fuel Dry Canisters Used for Long Term Storage
09:45 – 10:00	07 – 10 / ID 124	M. Lloret	Spain	Hydride Effect on Cladding Behaviour for Spent Fuel Storage and Transport Conditions
10:00 –10:15	07 – 11 / ID 19	K. Sorenson	USA	An Integrated Approach to Closing the Technical Data Gap for High Burnup Spent Fuel Performance during Normal Conditions of Transcript (NCT)
10:30 – 10:45		Co-Chair		Poster Presentations
10:45 – 11:00				Discussion
11:00 – 11:15	Coffee Break			
11:15 – 12:00	CLOSING SESSION			
11:15 – 11:30	Conference President	F. Rayment	UK	Conference Summary
11:30 – 11:45	Deputy Director General Department of Nuclear Safety and Security	D. Flory	IAEA	Closing remarks
11:45 – 12:00	Deputy Director General Department of Nuclear Energy	M. Chudakov	IAEA	Closing remarks

POSTERS

Location: M Building

All posters will be displayed for the entire duration of the conference.

As far as possible, authors are requested to be present at their posters during the coffee breaks for discussion with interested participants.

<i>No. of Poster IAEA-CN-226 -</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
SESSION 1			
ID 129	I.Kuzman	Russian Federation	Performance Assessment of Fuel Assemblies Removed from Shut Down RBMK Reactor Cores
ID 21	A. Newman	Nuclear Threat Initiative	Developing Regional Spent Fuel Strategies
ID 70	M. Afifi	Egypt	Egyptian Proposed Strategy of Spent Fuel Management from Nuclear Power Reactors
ID 150	N. Chapman	Switzerland	Developing a Spent Fuel Strategy for a Newcomer Nuclear Power Country
SESSION 2			
ID 43	S. Kim	Korea, Republic of	The Status of Spent Fuel Management and the Process of Building Public Opinion in Korea
ID 110	S. Squasoni	USA	Linking Nuclear Security to Spent Fuel Management
SESSION 3			
ID 20	K. Tiyaun	Thailand	MNCP Model for Research Reactor (TRR-1/M1) Fuel Storage Rack Criticality Analysis
ID 31	M. Ibrahim	Egypt	Criticality Safety and Burnup Credit Analysis for MOX Fuel
SESSION 3 (cont'd)			

<i>No. of Poster IAEA-CN-226 -</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
ID 42	D. Lee	Korea, Republic of	Major Consideration in Safety Assessment for Interim Spent Fuel Storage Facility in Korea
ID 121	S. Skilarrov	Russian Federation	Potential of Active Neutron Interrogation to Control Fissile Materials in "Closed" Fuel Cycle
ID 123	S. Lee	Korea, Republic of	Safety Tests of Spent Fuel Storage Systems in Korea
ID 149	A. Kirkin	Russian Federation	Implementation of Guidance for an Integrated Transport and Storage Safety Case for Dual Purpose Casks for Spent Nuclear Fuel in Russian Regulatory Documents
ID 115	S.Jones	USA	Value of Expedited Transfer of Fuel From At-Reacto Wet Storage
SESSION 4			
ID 119	B. Oberländer	Norway	AI-Clad Metallic Uranium Legacy Fuel after 50 Years in Underground Dry Storage: Spent Fuel Ageing Management
ID 5	R. Versaci	Argentina	Ageing Management of Spent Nuclear Fuel Facilities

<i>No. of Poster IAEA-CN-226 -</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
SESSION 5			
ID 47	M. Mazzucato	EU	Dry Storage of Irradiated Nuclear Material in Dual Purpose Cask at the JRC-Ispra Site
ID 117	P. Bennett	Norway	Progress towards a Solution for Intermediate Storage of Spent Nuclear Fuel in Norway
ID 120	H. Luna Dávila	Argentina	First Experience in Basic Design of a Dry Storage Facility for Spent Fuel in Argentina
ID 144	K. Whitmore	USA	Strategy for the Determination of an Appropriate On-Site Dry Fuel Storage System and for Optimizing the Location of the Facility
SESSION 6			
ID 6	L. Rodríguez-García	Cuba	Thorium Cycles in a Very High Temperature Hybrid System
ID 64	M. Nader	Egypt	Design Strategies for Direct Recycling of ACR-700 Spent Fuel
ID 153	M. Baryshnikov	Russian Federation	
SESSION 7			
ID 22	S. Alyokhina	Ukraine	Safety of the Dry Spent Nuclear Fuel Storage in Ukraine: Scientific Approach and Results
ID 45	J. Cha	Korea, Republic of	Preliminary Thermal Margin Comparison Between a Simple Spent Fuel Model and a Complex Spent Fuel Model for a Dry Storage Cask
ID 46	H. Yagihashi	Japan	Study on Temperature Estimation Method of PWR Spent Fuel Cladding in Dry Storage

<i>No. of Poster IAEA-CN-226 -</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
ID 66	I. Bosneaga	Rep. of Moldova	Huge Non-Spent Potential of "Spent Fuel"- the Ways of its Utilization
ID 82	H. Issard	France	Technologies for Integrated Safety Management Regarding Gas Generation in Spent Fuel Dry Storage Systems or Transport Systems, Wet or Dry
ID 108	P. Finocchiaro	Italy	Low Cost Gamma and Neutron Radiation Sensors for Real Time Cask Monitoring
ID 125	K. Christodoulides	UK	A Novel Approach for Monitoring Highly Active Wastes
ID 152	M. Pordomingo	Spain	Gamma Neutron Dynamic Scanner

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IAEA PUBLICATIONS RELATED TO THE SUBJECT OF THE CONFERENCE

			<i>IAEA Nuclear Energy Series No. NF-T-3.6</i>	2009	Management of Damaged Spent Nuclear Fuel
<i>STI/PUB/1661, Companion CD-ROM</i>	2015	Proceedings: International Conference on Management of Spent Fuel from Nuclear Power Reactors, 31 May-4 June 2010	<i>IAEA TECDOC Series No. 1587</i>	2008	Spent Fuel Reprocessing Options
<i>IAEA Nuclear Energy Series No. NW-T-1.24</i>	2013	Options for Management of Spent Fuel and Radioactive Waste for Countries Developing New Nuclear Power Programmes	<i>IAEA TECDOC Series No. 1563</i>	2007	Spent Fuel and High Level Waste: Chemical Durability and Performance under Simulated Repository Conditions
<i>IAEA Nuclear Energy Series No. NF-O</i>	2013	Nuclear Fuel Cycle Objectives	<i>IAEA TECDOC Series No. 1558</i>	2007	Selection of Away-from-Reactor Facilities for Spent Fuel Storage
<i>IAEA TECDOC Series No. 1725</i>	2013	Spent Fuel Storage Operation – Lessons Learned	<i>IAEA TECDOC CD Series No. 1547</i>	2007	Advances in Applications of Burnup Credit to Enhance Spent Fuel Transportation, Storage, Reprocessing and Disposition Proceedings of a Technical Meeting held in London, 29 August–2 September 2005
<i>IAEA Safety Standards Series No. SSG-15</i>	2012	Storage of Spent Nuclear Fuel: Specific Safety Guide			
<i>IAEA TECDOC Series No. 1680</i>	2012	Spent Fuel Performance Assessment and Research: Final Report of a Coordinated Research Project (SPAR-II)	<i>Proceedings Series</i>	2007	Management of Spent Fuel from Nuclear Power Reactors Proceedings of an International Conference held in Vienna, 19–22 June 2006
<i>IAEA TECDOC NF-T-42</i>	2011	Status of Developments in the Back End of the Fast Reactor Cycle	<i>IAEA TECDOC Series No. 1547</i>	2007	Advances in Applications of Burnup Credit to Enhance Spent Fuel Transportation, Storage, Reprocessing and Disposition Proceedings of a Technical Meeting held in London, 29 August–2 September 2005
<i>IAEA Safety Standards Series No. SSR-5</i>	2011	Disposal of Radioactive Waste Specific Safety Requirements			
<i>IAEA TECDOC-CD-1648</i>	2010	Assessment of Partitioning Processes for Transmutation of Actinides	<i>IAEA TECDOC Series No. 1532</i>	2007	Operation and Maintenance of Spent Fuel Storage and Transportation Casks/Containers
<i>IAEA Safety Standards Series No. GSR PART 5</i>	2010	Predisposal Management of Radioactive Waste General Safety Requirements Part 5 Advanced Reactor Technology	<i>IAEA TECDOC Series No. 1523</i>	2007	Optimization Strategies for Cask Design and Container Loading in Long Term Spent Fuel Storage
<i>IAEA TECDOC Series No. 1626</i>	2009	Options for Utilization and Transmutation of Actinides in Spent Nuclear Fuel	<i>IAEA TECDOC Series No. 1519</i>	2006	Data Requirements and Maintenance of Records for Spent Fuel Management: A Review
<i>IAEA Nuclear Energy Series No. NF-T-3.5</i>	2009	Costing of Spent Fuel Storage			

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FORTHCOMING SCIENTIFIC MEETINGS SCHEDULED BY THE IAEA

<i>Technical Reports Series No. 443</i>	2006	Understanding and Managing Ageing of Material in Spent Fuel Storage Facilities
<i>IAEA TECDOC CD Series No. 1482</i>	2006	Technical, Economic and Institutional Aspects of Regional Spent Fuel Storage Facilities
<i>IAEA Safety Standards Series SF-1</i>	2006	Fundamental Safety Principles

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2015

International Conference on Operational Safety (CN-227)
23 – 26 June, Vienna, Austria

Scientific Forum (CN-230)
September, Vienna, Austria

International Conference on Clinical PET-CT and Molecular
Imaging (IPET 2015): PET-CT in the era of multimodality imaging
and image-guided therapy (CN-232)
5-9 October, Vienna, Austria

International Conference on Global Emergency Preparedness
and Response (CN-213)
19-23 October, Vienna, Austria

International Conference on Research Reactors: Safe
Management and Effective Utilization (CN-231)
16-20 November, Vienna, Austria

2016

International Conference on Effective Nuclear Regulatory
Systems: Towards a Systematic Approach to Safety (CN-236)
11- 15 April, February, Vienna, Austria

International Conference on Human and Organizational Aspects
of Assuring Nuclear Safety – Exploring 30 Years of Safety
Culture (CN-237)
22-26 February, Vienna, Austria

International Conference on Advancing the Global
Implementation of Decommissioning and Environmental
Remediation Programmes (CN-238)
23-27 May, Madrid, Spain (TBC)

Scientific Forum (CN-240)
27-28 September, Vienna, Austria

26th IAEA Fusion Energy Conference (CN-234)
17-22 October, Kyoto, Japan

International Conference on the Safety of Radioactive Waste
Management (CN-242)
21 – 25 November, Vienna, Austria

International Conference on Integrated Medical Imaging in
Cardiovascular Diseases (IMIC-II-2016) (CN-243)
10 -14 October, Vienna, Austria

2016 (cont'd)

3rd International Conference on Knowledge Management in
Nuclear Energy – Challenges and Approaches (CN-241)
7-11 November, Vienna, Austria

International Conference on Nuclear Security (CN-244)
5-9 December, Vienna, Austria

For information on these meetings, please consult the IAEA web
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