

<b>Sunday 30 September 2018</b>			
18:00	20:00	<b>Registration</b>	
		<b>Welcome reception</b>	
<b>Monday 1 October 2018</b>			
08:30	08:40	<b>Welcome address from NNL</b> A. Sherry (NNL, UK)	
08:40	08:50	<b>Welcome address from NEA</b> NEA	
<b>SESSION 1: International and national Programmes</b> Chair: T. Todd			
08:50	09:05	<b>NEA related activities on P&amp;T and advanced fuel cycles</b> S. Cornet (NEA)	
09:05	09:20	<b>Ongoing activities on P&amp;T at the IAEA</b> C. Hill (IAEA)	
09:20	09:35	<b>Overview of Programmes on P&amp;T and Advanced Fuel Cycle in the UK</b> F. Rayment (NNL, UK)	
09:35	09:50	<b>Recent progress in the Belgian MYRRHA ADS programme</b> H. A. Abderrahim ( SCK-CEN, Belgium)	
09:50	10:20	<i>COFFEE</i>	
<b>SESSION 2: Fuel cycle strategies and scenarios: scenarios analysis</b> Chairs: T. Kim & A. Peakman			
10:20	10:45	<b>Impact of transmutation on the geological disposal for the Belgian scenario</b> G. Van Den Eynde (SCK-CEN, Belgium)	
10:45	11:10	<b>Lessons Learned from Recent Nuclear Fuel Cycle Scenario Studies</b> T. Taiwo (ANL, US)	
11:10	11:35	<b>Optimisation of advanced nuclear fuel cycles for decision making strategies</b> A. Villacorta Skarbeli (CIEMAT,Spain)	
11:35	12:00	<b>2017 Advanced Fuel Cycle Cost Basis Report – Description and Application</b> B. Dixon (INL, US)	
12:00	12:25	<b>Safeguards and Security Approaches for Advanced Fuel Cycles</b> M. Miller (INL, US)	
12:25	14:00	<i>LUNCH</i>	
<b>SESSION 3 :Transmutation systems and infrastructures</b> Chairs: K. Nishihara & K. Dungan			
14:00	14:25	<b>Reduction and Resource Recycling of High-level Radioactive Wastes through Nuclear Transmutation-Overview and current results of the IMPACT Program</b> R. Fujita (JAEA, Japan)	

14:25	14:50	<b>Construction of Low-energy RI beam Line at RIBF and Nuclear Reaction Data on Low-energy LLFPs</b> S. Michimasa (Uni. Tokyo, Japan)
14:50	15:15	<b>Once-through Sustainable Sodium-cooled Fast Reactor</b> T. Kim (ANL, US)
15:15	15:40	<b>Molten-salt reactor as a necessary element of the nuclear fuel cycle closure for all actinides</b> V. Ignatiev (Kurchatov Institute, Russia)
15:40	16:05	<b>Comparative Assessment of Homogeneous and Heterogeneous MA Transmutation in Sodium and Lead Fast Reactors</b> I. Khomiakov (ITCP "PRORYV", Russia)
16:05	16:30	<i>COFFEE</i>
<b>Session 6: Advanced Nuclear Fuel Recycling (pyro-processing &amp; process monitoring)</b> <b>Chair: T. Matsumura &amp; TBD</b>		
16:30	16:55	<b>Progress in R&amp;D on pyrochemical partitioning technology in the Czech Republic</b> M. Straka (UJV Rez, Czech Rep.)
16:55	17:20	<b>Development of robust micro electrodes for analytical measurements and online monitoring during pyrochemical nuclear waste reprocessing</b> J. Elliott (Uni. Edinburgh, UK)
17:20	17:45	<b>On-line process monitoring to follow, characterize, and control separation processes in real-time</b> G. Lumetta on behalf of A. Lines (PNNL, US)
18:00	20:00	<b>Poster session</b>
<b>Tuesday 2 October 2018</b>		
<b>SESSION 1: International and national Programmes</b> <b>Chair: C. Hill</b>		
08:30	08:45	<b>France</b> E. Touron (CEA, France)
08:45	09:00	<b>Conceptual approaches and the main directions of R &amp; D on partitioning and transmutation of minor actinides and long-lived fission products in the Russian Federation</b> A. Khaperskaya (Rosatom, Russia)
09:00	09:15	<b>Japan</b> K. Tsujimoto (JAEA, Japan)
<b>Session 5: Advanced Fuels</b> <b>Chairs: D. Shepherd &amp; C. Sabathier</b>		
09:15	09:40	<b>Pre-design of a MABB pin loaded with 10% of americium</b> A. Gallais-During (CEA, France)
09:40	10:05	<b>Post Irradiation Examinations of Molybdenum based Inert Matrix Fuels from the</b>

		<b>FUTURIX-FTA Experiment</b> D. Freis (JRC, European Commission)
10:05	10:35	<i>COFFEE</i>
10:35	11:00	<b>MARIOS irradiation on (U<sub>0.85</sub> Am<sub>0.15</sub>)O<sub>2</sub> transmutation targets: post irradiation examinations.</b> C. Sabathier (CEA, France)
11:00	11:25	<b>Conceptual design of fuel production line applying the simplified MA-bearing MOX fuel fabrication</b> Y. Yamada (JAEA, Japan)
11:25	11:50	<b>R&amp;D on advanced plutonium and minor actinide bearing fuels at NNL</b> D. Shepherd (NNL, UK)
11:50	12:15	<b>Postirradiation Examination of AFC-1 and FUTURIX-FTA Samples by Scanning Electron Microscopy</b> J. Harp (INL, US)
12:15	13:45	<i>LUNCH</i>
<b>SESSION 4: Modeling and data</b> <b>Chairs: Steve Graham &amp; TBD</b>		
13:45	14:10	<b>Spallation reaction study for fission products in nuclear waste</b> H. Wang (RIKEN Nishina Center, Japan)
14:10	14:35	<b>Modeling of Electrowinning Process with Liquid Metal and Rotating Cylinder Electrodes</b> D. Kang (KAIST, Korea)
14:35	15:00	<b>Mechanistic Modelling of Irradiated Fuel Exposed to Pond Water</b> R. Hughes, NNL, UK
15:00	15:25	<b>Capsule Designs for Testing Fast Reactor Fuels in the Advanced Test Reactor</b> G. Povirk (INL, US)
15:25	15:50	<b>iMAGINE Project Social Science Considerations</b> R. Taylor (Uni. Manchester, UK)
15:50	16:20	<i>COFFEE</i>
<b>Session 6: Advanced Nuclear Fuel Recycling (aqueous processes 1)</b> <b>Chairs: M. Miguirditchian &amp; G. Lumetta</b>		
16:20	16:45	<b>GENIORS, a EU project on MOX fuel recycling in GEN IV systems.</b> S. Bourg (CEA, France)
16:45	17:10	<b>Development of SELECT process for reprocessing and minor actinides transmutation</b> T. Matsumura (JAEA, Japan)
17:10	17:35	<b>Results from the first phase of a new UK national-level programme in nuclear fuel recycle and waste</b> R. Taylor (NNL, UK)
19:00	23:00	<b>Conference Dinner</b>

		at the National Football Museum
<b>Wednesday, 3 October 2018</b>		
<b>Session 1: International and national programmes</b> Chair: S. Bourg		
09:00	09:15	<b>Recent P&amp;T Relevant Developments in the EU</b> J.P. Glatz (JRC, EU)
09:15	09:30	<b>Korea</b> K.C. Song (KAERI, Korea)
09:30	09:45	<b>Overview of US programs on Partitioning, Transmutation and Advanced Fuel Cycles</b> T. Todd (INL, US)
09:45	10:15	<i>COFFEE</i>
<b>Session 6: Advanced Nuclear Fuel Recycling (aqueous processes 2)</b> Chair: J. Law &		
10:15	10:40	<b>Advanced partitioning processes for U and Pu multi recycling and Am selective separation</b> M. Miguirditchian (CEA, France)
10:40	11:05	<b>Recovery and separation americium and curium from closed nuclear fuel cycle high level waste</b> A. Shadrin (ITCP "PRORYV", Russia)
11:05	11:30	<b>Development of advanced aqueous process for future fuel recycling- head-end studies</b> C. Maher (NNL, UK)
11:30	11:55	<b>Absolute Determination of Aqueous Complexation and Extraction Kinetics for Lanthanide Ions</b> S. Mezyk (California State Uni. Long Beach, US)
11:55	13:25	<i>LUNCH</i>
<b>Session 7: Waste management</b> Chairs: M. Sarsfield & S. Choi		
13:25	13:50	<b>Progress in Off-gas Treatment for Used Nuclear Fuel Reprocessing</b> R. Jubin (ORNL, US)
13:50	14:15	<b>Effects of fuel cycle closure on the disposability of ongoing wastes</b> K. Dungan (Uni. Manchester, UK)
14:40	15:05	<b>Thermo-Hydro-Mechanical Evaluation of Critical Mass in Repository Far-Field</b> A. Salazar (Uni. California, Berkeley, US)
14:15	14:40	<b>Risk Assessment of Human Intrusion into Geological Repository</b> S. Choi (KAIST, Korea)
<b>Summary Session</b> Chairs: R. Taylor & NEA		
14:40	15:15	Chairpersons' reviews

15:15	15:30	Poster review (or review from early career researchers)
15:30	15:45	Discussion
15:45	16:00	Closing remarks D. Iracane, DDG, NEA