



SMiRT 23
The Lowry Centre
Greater Manchester
August 10th to 14th 2015

Outcome of the ISC planning meeting

The ISC Team

Division 1		Division 6	
Andrey Jivkov	Manchester University	Paul Smith	AMEC
Daman Panasar	University of Toronto	Ayman Saudy	Candu
Guo Jiansong J	EDF Generation	Sanj Malushti Eric Mathet	Bechtel ATMEA
Division 2		Division 7	
Steve Garwood	Imperial College	John Llambias	Risktek
Elisabeth Keim	AREVA Germany	Seiichiro Fukushima	RKK Consulting Japan
Yun Jae Kim	Seoul University	Masoud Zedah	TBC
Stephan Chapuliot	AREVA	Ravi Ravindra	MKRavindra Consulting USA
Division 3		Division 8	
Van-Xuan TRAN	EDF Energy, R&D UK Centre	Russ Booler	AMEC
Cheryl O'Brien	INL	Steve Doctor **	Pacific Northwest Labs
Keith Wright	Rolls Royce		
Division 4		Division 9	
Peter Ford	ONR	Anthony Bamford	NNL
Annie Kammerer	Bechtel	Bhasker Tripathi	NRC
Emmanuel Vallet	EDF France	Stephen McDuffie	US DoE
Shin Morita	Japan		
Division 5		Division 10	
Colin Taylor	Bristol University	Tim Abram	Manchester University
Malcolm Goodwin	ABS Consulting	Xinxin Wu ** (Libin SUN)	Tsinghua University
Susumu Nakamura	Consultant Japan		

Guidance on Format of Sessions

- Types of Technical papers/presentations
 - A) Technical division papers
 - B) Technical workshops within a division
 - C) Special Topic papers / state of the art papers within a division or across related divisions
 - D) Plenary sessions – these cross-division sessions are the responsibility of the local organising committee, with support and advice from the ISC

Session Types

Paper Session – Technical Division Papers

- Abstract, full paper and 15 mins presentation. Max 5 per session

Cross-divisional paper sessions

- Same as above but shared with other divisions. More focus on a theme.

Workshop – Technical workshops within a division

- Abstract + presentations (may not have full papers). Max 6 per session
- Suitable for a quick exchange of information/research

Panel Session

- Presentation and discussion with experts. No abstracts or papers.
- Suitable to capture an expert opinion. Session chair to summarise open discussion.

Plenary

- Full conference. No other parallel sessions. It can be a single lecture, workshop or panel discussion

Summary of Workshops

Workshops				
Ref	Title	Leader	Division	Remarks
1	Nugenia + Integration of national R&D programmes	Elisabeth Keim	2, 7, 8	Noted at ISC planning meeting
2	State-of-art paper on Component Fragility of NPP	Prabir Basu	1, 3, 4, 5, 7	PB email 22 June 2014. PB needs travel support.
3	Nuclear applications of graphite	Jim Reed	1, 2, 3, 8	
4	High Temperature Assessment	Dave Dean	1, 2, 3, 4	MOD email 20 May 2014
5	New Build and Harmonisation of Codes and Standards Panel on international codes and standards What codes and standards for the future	Andrei Blahoinu Claude Faidy	Plenary	AB email 2 June 2014. Could be full Plenary Proposed at ISC planning meeting
6	Small Modular Reactors	Nawal Prinja	Plenary	
7	Flooding Hazards – Developments Post-Fukushima	Abhinav Gupta and J Coppersmith	Plenary	AG correspondence
8	SC Modules and new civil structure codes	Prof Amit Varma and Dr Sanj Malushte	6	With Andrew Whittaker + N Prinja (Eurocodes)
9	Seismic Isolation	Andrew Whittaker	5 and 6	With Pierre Sologoub
10	Practitioner Competence and Benchmarking	Jim Wood	3	Tim Morris. Could be full Plenary
11	Soil Structure Interaction + new nonlinear SSI work.	Andrew Whittaker and A Blahoinav	5	With Farhang, Justin Coleman and Greg Merz
12	Multi-unit site risk for external hazards	Nilesh Chokshi	7	Panel session

Summary of Workshops

Workshops				
Ref	Title	Leader	Div	Remarks
13	Risk-informed regulatory framework for external hazards	Nilesh Chokshi	7	Panel session
14	Wind fragility modeling	Larry Twisdale	7	Workshop
15	John Stevenson memorial		Plenary	Noted at Board and ISC planning meeting
16	Decommissioning – current situation of Fukushima; current research activity (Japan and international)	Japan NDF Co chair UK NDA (TBA)	9	Agreed with Div 9 Leader Anthony Bamford with Hirosh Abe
17	Future perspective of material and ageing matter of NPP structure	Chair Soneda (CRIEPI) Co chair Manchester Uni? (TBA)	Plenary	Proposed at ISC planning meeting
19	Concrete degradation mechanisms	A Blahoinav	1	Proposed at ISC planning meeting
21	Session on HDPE	Claude Faidy	1	Proposed at ISC planning meeting
22	Design extension Conditions (DEC)	Sujit + Andrei	6	Panel session
23	Balancing of Science and Social Requirements in Nuclear Regulation	Shin Morita Chair Prof. Heki Shibata (advisor)	7	Workshop / panel discussion – proposed post ISC
24	SQUG	Greg Hardy	5	Workshop – proposed post ISC
25	Environmental Fatigue + FESI	J Sharples / S Garwood	2	Noted at ISC (details to be arranged)



Uploaded Abstracts



Algeria	2	Japan	37
Austria	2	Korea	32
Belgium	2	Netherlands	4
Brazil	3	Puerto Rico	3
Bulgaria	3	Russia	14
Canada	26	Slovenia	1
China	21	Spain	3
Czech Republic	5	Sweden	3
Egypt	1	Switzerland	7
Finland	15	Taiwan	2
France	37	Turkey	1
Germany	33	UK	95
Hungary	1	USA	87
India	30	TOTAL	475
Italy	3	Snap shot for the ISC planning meeting	

Abstracts Accepted by Divisions

	Division Title	No. of Abstracts	No. of Sessions	Workshops / Plenary
		Accepted		
1	Mechanics of Materials	52	11	
2	Fracture Mechanics and Structural Integrity	86	18	
3	Applied Computation, Simulation and Animation	36	10	
4	Characterisation of Loads	23	5	
5	Modelling, Testing and Response Analysis of Structures, Systems and Components	60	12	
6	Design and Construction Issues	41	9	
7	Safety, Reliability, Risk and Margins	57	12	
8	Issues Related to Operations, Inspection and Maintenance	18	3	
9	Fuel Cycle Facilities, Waste Management and Decommissioning	8	2	
10	Challenges of New Reactors	9	2	
Total =		390	84	25

Snap shot for the ISC planning meeting

Note that in some cases the identified “No. of sessions” in a division include space for the workshops