

Day-1 (8th December, 2015)

Time	Title	Speaker
8:30 to 9:30	Registration	
9:30 to 10:30	Inauguration	
	Opening Address	S. A. Bhardwaj, Chairman AERB
	Theme of Joint International Workshop	D. K. Shukla, Chairman Organizing Com.
	Background of CANSAS-2015	J.H.Park, President :Korea CANSAS Federation
	Background of NHRTH-2015	P. K. Vijayan, Chairman Tech.Prog. Com.
	Keynote Address	Ashok Chauhan Director (T), NPCIL, India
	Address by Chief Guest	Devang V. Khakhar, Director IIT Bombay, India
	Address by Convenor	S. Harikumar, Secretary AERB
10:30 to 11:15 - High Tea		
11:15 to 12:00	Plenary talk 1: PHWR Technology: Its Relevance Today	S. Banerjee, Chancellor HBNI & Former Chairman AEC, India
12:00 to 12:45	Plenary talk 2: Design Safety Evolution of PHWRs in India	S. S. Bajaj, Former Chairman AERB, India
12:45 to 14:00 – Lunch		
Technical session 1- CANSAS -1-PHWR Safety R&D-I Session Chair: S. K. Chande, Co-chair: Seon Oh Yu		
14:00 to 14:30	CANDU Safety R&D Progress in Korea	Y. M. Song, KAERI, Korea
14:30 to 15:00	CANDU Fuel: Design Improvement Initiatives	Paul K. Chan, Royal Military College, Canada
15:00 to 15:30	Innovative Design Features of Indian Advance Heavy Water Reactor	P. K. Vijayan, Former Director RDDG, BARC, India
15:30 to 16:15 : Poster session 1 (Tea/Coffee)		
Technical session 2 - CANSAS -2: PHWR Safety Analysis-I Chair: Kannan Iyer, Co-Chair: Song J. H		
16:15 to 16:45	Development of SAM for Indian NPPs	Ashok Chauhan Director (T), NPCIL
16:45 to 17:15	Neutronics Simulations on Hypothetical Power Excursion and Possible Core Melt Scenarios in CANDU6	Yonghee Kim KAIST, Korea
17:15 to 17:30	Presentations by Industry-I	ITER Representative

Day-2 (9th December, 2015)

Time	Title	Speaker
9:30 to 10:15	Plenary talk-3: Challenges in Safety Regulation of NPPs	S. A. Bhardwaj Chairman AERB
10:15 to 11:00 : Poster session 2(Tea/Coffee)		
Technical session 3- NHRTHS -1: Containment Studies Session Chair: Thambiayah Nitheanadan, Co-chair: Nalini Mohan		
11:00 to 11:30	Filtered Containment Venting System: Phenomena and Scaling	Shripad T. Revankar, Purdue University , USA
11:30 to 12:00	Computational and analytical models associated with Hydrogen management in nuclear reactors	Kannan Iyer, IIT Bombay, India
12:00 to 12:30	Summary of THAI experimental research relevant for pool scrubbing and containment venting issues	Sanjeev Gupta, Becker Technologies, Germany
12:30 to 13:00	Functional Performance & Integrity Assessment of Nuclear Containments and Systems under Extreme Events	R. K. Singh, Former Head RSD, BARC, India
13:00 to 14:00 – Lunch		
Technical session 4- NHRTHS - 2: R&D Programmes for severe accident phenomenology Session Chair: Shripad Revankar, Co-chair: Avinash J. Gaikwad		
14:00 to 14:30	Overview of IRSN R&D on NPP safety, with focus on severe accidents	VAN DORSSELAERE Jean Pierre, IRSN, France
14:30 to 15:00	A Platform for Corium Research	Song J. H., KAERI, Korea
15:00 to 15:15	Presentations by Industry-II	Fluidyn Representative
15:15 to 15:30	Presentations by Industry-III	KSB Pumps Representative
15:30 to 16:15 : Poster session 3(Tea/Coffee)		
Technical session 5 - CANSAS -3: PHWR Safety R&D-II Session Chair: Y. M. Song, Co-chair: A. Ramarao		
16:15 to 16:45	Resolving Chemistry issues in Nuclear Power Plants: Hydrogen Mitigation, Corrosion and Decontamination	B.N. Jagtap, BARC, India
16:45 to 17:15	Experimental investigations on in-Calandria retention of molten corium in PHWR	A. K. Nayak, BARC , India
17:15 to 17:30	Presentations by Industry-IV	L&T Valves Representative

Day-3 (10th December, 2015)

Time	Title	Speaker	
9:30 to 10:15	Plenary talk 4: Emerging Trends in PHWR Safety-Post Fukushima Measures	Thambiyah Nitheanadan CNL, Canada	
10:15 to 11:00: Poster session 4 (Tea/Coffee)			
Technical session 6	6A-CANSAS-4 PHWRs:Severe Accident Management Chair:VAN DORSSELAERE Jean Pierre Co-Chair:Sanjeev Gupta	6B-NHNRTH-3 Safety Analysis & Research Chair: P. K.Vijayan Co-Chair:Mukesh Singhal	
	10:45 to 11:15	Assessment of SAM at AERB, Avinash J. Gaikwad, AERB, India	Safety Analysis Tools for Fast Reactor Thermal Hydraulics P.Chellapandi, CMD Bhavini
	11:15 to 11:45	Pending Issues for Severe Accident Management in Wolsong Plants, Y.M. Song, KAERI, Korea	The Effect of Pressure Tube Creep on Dryout Power of an Advanced 37-element Fuel Bundle, J. H. Park, KAERI, Korea
	11:45 to 12:15	Simulation of Operators' Actions during Severe Accident Management, A. Viktorov, CNSC Canada	Challenges and Status of Multi- unit PSA Development in Canada, Smain Yalaoui (CNSC), Canada
	12:15 to 12:45	Overview of CANDU Severe Accident Management Guidance V. S.Krishnan, CANDU Owners Group	Comparison of LBLOCA Power Pulse between Standard and New 37 Element Fuel Jong Ho Choi, KEPCO E&C, Korea

12:45 to 14:00 - Lunch

Time	Title	Speaker	
Technical session 7	7A-NRTHS-4 Technology Development and Safety Regulation Session Chair: K. K. Vaze Co-Chair: P. R. Krishnamurthy	7B- CANSAS-5 PHWR Safety Analysis-II Chair: B. N. Jagtap Co-chair: Jong Ho Choi	
	14:00 to 14:30	An Overview of Technology Development Activities at NPCIL, S. F. Vohra, NPCIL, India	Current focus of the hydrogen risk mitigation in Canada A. Viktorov, CNSC, Canada
	14:30 to 15:00	Regulatory perspective on the acceptance criteria for the CANDU Pressure Tube failure frequency, S. Laxman, CNSC, Canada	Safety Analysis on Non-LOCA Events for the Revision of Wolsong NPP Unit 2, 3, 4 SAR Jong Hyun Kim, ACT Co.Ltd,Korea
	15:00 to 15:30	The Role of the U.S. Nuclear Regulatory Commission Reactor Systems Codes throughout the World, Matthew Bernard, NRC	Post Fukushima PSA Initiatives & Achievements at Canadian PHWR Plants, S. Husain Mehdi, KINECTRICS Inc. Canada

15:30 to 16:00 Tea/Coffee

16:00 to 16:15 - Poster Award Distribution

16:15 to 17:30 Closing Session-Panel Discussion

Day-4 (11th December, 2015)

Visit to TAPS-3&4, Tarapur Maharashtra Site

Technical Programme

International Workshops on
NPPs-Safety & Sustainability

CANSAS – 2015

(CANDU Safety Association for Sustainability)

&

NHNRTHS – 2015

(New Horizons in Nuclear Reactor Thermal-Hydraulics and Safety)

Hosted By

Atomic Energy Regulatory Board, India



In Association With



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