

# INSIC-2023

## Nuclear for Clean Energy Transition

### Programme

#### DAY 1 : Tuesday, December 12, 2023

<b>DAY 1 : Tuesday, December 12, 2023</b>		
<b>0930 - 1015</b>	<b>Inauguration</b>	
	Welcome Address : Harish Kalsi Address by : Anil Kakodkar Address by : B.C. Pathak Address by : Vivek Bhasin Presidential Address : B.N. Jagatap Address by Chief Guest : Ajit Kumar Mohanty Video Message by : Rafael Mariano Grossi, DG, IAEA Vote of thanks : Suresh Gangotra	
<b>1015 - 1100</b>	<b>Group Photo, Inauguration of Exhibition and High Tea</b>	
<b>1100 - 1330</b>	<b>SESSION I : Accelerated Growth of Nuclear Power (Part A)</b> <b>Chair : S.K. Sharma, Former NPCIL</b>	
	<b>IT-1</b> : Global Nuclear Industry`s Capability to Sustain a Three-to Four-Fold Increase in Nuclear Power	Serge Gorlin, UK
	<b>IT-2</b> : Impact of Fleet Mode Construction of 700MWe PHWRs	Pathak B C, India
	<b>IT-3</b> : Growth of Gen III and III+ Reactors	Akira Yamaguchi, Japan
<b>1330 - 1415</b>	<b>Lunch</b>	
<b>1415 - 1545</b>	<b>SESSION II : Future Energy Mix for Net Zero</b> <b>Chair: S.S. Bajaj, Former AERB</b>	
	<b>IT-4</b> : Key Policy Changes Required to Enhance the Role of Nuclear Power in India`s Pathway to Net Zero	Dr R Srikanth, India
	<b>IT-5</b> : Clean Core`s Thorium and HALEU based ANEEL Fuel for PHWRs	Mehul Shah, USA
<b>1545 - 1600</b>	<b>Tea</b>	
<b>1600 -1700</b>	<b>Panel Discussion-1</b>	
	Role of Nuclear and Renewables in Clean Energy Transition	D. P. Srivastava R Srikanth Suneet Singh A.K. Balasubramaniam
<b>1700-1715</b>	<b>Chair: R B Grover, HBNI</b>  <b>Comments from audience</b>	
<b>1715 onwards</b>	<b>Tea &amp; Snacks and Visit to Posters/Exhibition</b>	<b>Posters ETP 1 to 33</b>
<b>1830</b>	<b>Cultural Programme and Dinner</b>	

## DAY 2 : Wednesday, December 13, 2023

<b>0930- 1110</b>	<b>SESSION III : Emerging Technologies (A)</b> <b>Chair : S.A. Bhardwaj, Former AERB</b>	
	<b>IT-6</b> : Emerging Technologies in Support of Nuclear Power Deployment, Security & Safety	Valerie Faudon, France
	<b>IT-7</b> : Delivering on the Promise of Small Modular Reactor	Alok Mishra, WEC (India)
<b>1110 - 1140</b>	<b>Tea</b>	
<b>1140- 1320</b>	<b>SESSION IV : Hydrogen Technologies</b> <b>Chair : G.D. Yadav, ICT</b>	
	<b>IT-8</b> : Developments in Hydrogen Production Schemes with Nuclear Energy	Shripad Revankar, USA
	<b>IT-9</b> : Design, Development and Deployment of Alkaline Water Electrolyser Technology at BARC	K.T. Shenoy, India
<b>1320 -1405</b>	<b>Lunch</b>	
<b>1405-1545</b>	<b>SESSION V : Nuclear Fuel Cycle for Energy Transition</b> <b>Chair : D.K. Shukla, AERB</b>	
	<b>IT-10</b> : Sustainable Nuclear Fuel Cycle as an Answer to Spent Nuclear Fuel Management Challenge	Artemova Elena, Russia
	<b>IT-11</b> : Nuclear, Both Big and Small Powers the Energy Transition	Srinivasan G R, India
<b>1545 -1600</b>	<b>Tea</b>	
<b>1600-1700</b>	<b>Panel Discussion-2</b> Emerging Nuclear Technologies	Valerie Faudon G.R. Srinivasan Ganapati Myenini Serge Gorlin
<b>1700-1715</b>	<b>Chair : Vivek Bhasin, BARC</b> Comments from Audience	
<b>1715 -1815</b>	<b>Tea &amp; Snacks and Visit to Posters/Exhibition</b>	<b>Posters</b> ARP 1 to 18 NHP 1 to 9 RFP 1 to 3 IPP 1 to 3
<b>1830</b>	<b>Departure for Banquet</b>	

## DAY 3: Thursday, 14 December 2023

<b>0930-1110</b>	<b>SESSION VI Accelerated Growth of Nuclear Power (Part B)</b> <b>Chair : S. Jayakrishnan, NPCIL</b>	
	<b>IT-12</b> : EDF's Gen III & III+ Reactors – Growth Acceleration & Cost Reduction	Vakisasai Ramany, France
	<b>IT-13</b> : Nuclear Power Development- Technologies and Skills Challenges: lessons learned in France and opportunities in India	Antoine Guelfi, France
<b>1110 - 1140</b>	<b>Tea</b>	
<b>1140- 1320</b>	<b>SESSION VII : Nuclear Power Perspective (A)</b> <b>Chair : G. Nageswar Rao, Former AERB</b>	
	<b>IT-14</b> : Korea's Nuclear Power Development Experience and Competitiveness	Yoh-Shik Nam, South Korea
	<b>IT-15</b> : Second Stage of Indian Nuclear Programme Towards Green Energy Transition	B. Venkatraman
<b>1320 - 1405</b>	<b>Lunch</b>	
<b>1405- 1545</b>	<b>SESSION VIII: Nuclear for Net Zero : Industry Preparedness</b> <b>Chair : R. Sharan, NPCIL</b>	
	<b>IT-16</b> : Role of L&T in Furthering Nuclear Growth in India	Anil Parab, India
	<b>IT-17</b> : Role of WIL in Growth of Nuclear Power in India	N.M.Nadaph, India
<b>1545 - 1600</b>	<b>Tea</b>	
<b>1600-1700</b>	<b>Panel Discussion - 3</b> Reduction in Cost and Gestation time for Nuclear Expansion: Various Industry Models	Anil Parab V.Ramany S. Gorlin Alexandre Volgin
<b>1700-1715</b>	<b>Chair : B C Pathak, NPCIL</b>  Comments from Audience	
<b>1715 onwards</b>	<b>Tea &amp; Snacks and visit to Posters/Exhibition</b>	Posters EMP 1 to 7 GCP 1 to 5 LEP 1 to 17 PPP 1 to 2

## DAY 4 : Friday, December 15, 2023

<b>0930- 1110</b>	<b>SESSION IX: Nuclear Power Perspective (B)</b>	
	<b>Chair:</b> Anurag Kumar, ECIL	
	<b>IT-18</b> : General aspects of SMR use	Alexandre Volgin, Russia
	<b>IT-19</b> : Climate Change and India's Energy Transition: The Role of Nuclear Power	D.P. Srivastava, India
<b>1110 - 1140</b>	<b>Tea</b>	
<b>1140- 1320</b>	<b>SESSION X: Accelerator Based Technologies</b>	
	<b>Chair :</b> K.C. Mittal, Former BARC	
	<b>IT-20</b> : Accelerator Driven Sub-Critical System / Thorium for lower cost nuclear energy	Franklin Servan, Switzerland
	<b>IT-21</b> : Advanced Sub Critical Micro Reactors for Energy Distribution.	Ganapati Myenini, USA
<b>1320 -1405</b>	<b>Lunch</b>	
<b>1405 - 1545</b>	<b>SESSION XI: Supporting Technologies</b>	
	<b>Chair –</b> H.S. Kamath, Former HWB	
	<b>IT-22</b> : Self Reliance and Diversification in Heavy Water Technologies	Satya Kumar, India
	<b>IT- 23</b> : Development of High Intensity Proton Accelerators – Present Status and Future Programme	Rajesh Kumar, India
<b>1545 - 1600</b>	<b>Tea</b>	
<b>1600 - 1700</b>	<b>Conference Round Up</b>	Suresh Babu Harish Kalsi A Rama Rao Suresh Gangotra Swapnesh Malhotra Satyawans Bansal
	<b>Chair :</b> B.N.Jagatap, INS	
<b>1700 onwards</b>	<b>Tea &amp; Snacks</b>	