

PROGRAM (*Tentative*)

THE VIETNAM CONFERENCE ON NUCLEAR SCIENCE AND TECHNOLOGY

VINANST-13

Time: 07th – 09th August 2019

Venue: Vinpearl Ha Long Resort, Reu Island, Quang Ninh, Vietnam

Organizers: Vietnam Atomic Energy Institute (VINATOM);
International Centre of Physics (VAST); and
Department of Science and Technology of Quang Ninh Province.

Time	Content	Person Responsible
August 6th, 2019: Participant registration at Vinpearl Ha Long Resort (15:00-17:30)		
August 7th, 2019: Conference Opening Ceremony and Plenary Session		
7:15-8:00	Participant Registration	Organizers
8:00-8:30	Conference Opening Ceremony	
8:00-8:05	Introduction of participants and Conference Agenda	Dr. Tran Ngoc Toan Vice-President of VINATOM
8:05-8:10	Opening address by the representative of Ministry of Science and Technology of Vietnam (MOST)	Dr. Pham Cong Tac Deputy Minister of MOST
8:10-8:15	Welcome speech by the representative of Quang Ninh Provincial People's Committee	Ms. Vu Thi Thu Thuy Vice-Chairperson of Quang Ninh Provincial People's Committee
8:15-8:20	Welcome speech by the representative of Ministry of Natural Resources and Environment (MONRE)	Dr. Le Cong Thanh Deputy Minister of MONRE
8:20-8:25	Welcome speech by the representative of Embassy of France in Viet Nam	Mr. Olivier Sigaud Deputy Ambassador of France
8:25-8:30	Welcome speech by the representative of U.S. Department of Energy	Ms. Nina Palmer U.S. Department of Energy
8:30-18:00	Plenary Session and IAEA Workshop (Presentations by Invited Speakers) Chairpersons: Dr. Tran Chi Thanh, Prof. Pham Duy Hien, Prof. Masaki Saito	
8:30-8:35	Introduction of Chairman for Plenary Session	Organizers
8:35-8:55	The Contribution of Nuclear Science and Technology for Sustainable Development	Dr. Jane Gerado-Abaya Director, TCAP, IAEA
8:55-9:20	Current status of VINATOM's R&D and the new research reactor project in Viet Nam	Dr. Tran Chi Thanh President of VINATOM
9:20-9:45	Big Bang, Little Bang and Mini Bang: Creating Partonic Matter with ALICE at the CERN	Dr. Raghunath Sahoo IITI and ALICE Collaboration

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	Large Hadron Collider	CERN, Geneva
9:45-10:10	Exploring the Terra incognita of exotic nuclei at RIKEN: Past achievements and future endeavors	Dr. Pieter Doornenbal RIKEN, Japan
10:10-10:35	Atmospheric transport of radioactivity from a hypothetical nuclear reactor accident in China to Southeast Asia by the East Asian Northeast monsoon	Prof. Pham Duy Hien VINATOM, Vietnam
10:35-10:55	<i>Conference Photo and Coffee break</i>	
10:55-11:20	Nuclear fusion, neutron radiative capture, neutron star, and origin of elements	Prof. Dao Tien Khoa INST, VINATOM
11:20-11:45	Nuclear structure of exotic nuclei by direct reactions: Investigations with stored radioactive beams and with active targets	Prof. Peter Egelhof GSI, Darmstadt, Germany
11:45-12:10	Conceptual neutronics design for a high-flux multi-purpose research reactor	Mr. Nguyen Kien Cuong DNRI, VINATOM
12:10-12:30	Radioactivity in the oil exploration sector	Prof. Sheldon Lansberger University of Texas, USA
12:30-13:30	<i>Lunch break</i>	
13:30-15:45	Plenary Session Chairpersons: Prof. Dao Tien Khoa, Prof. Sheldon Lansberger, Assoc. Prof. Nguyen Nhi Dien	
13:30-13:55	Application of ionizing radiation in the diagnosis and treatment of cancers and some other diseases in Vietnam	Prof. Mai Trong Khoa Bach Mai Hospital, Vietnam
13:55-14:20	Open questions in Nuclear Physics at the beginning of the XXI Century	Prof. Peter Levai MTA WIGNER RCP, Hungary
14:20-14:45	Academy for Global Nuclear Safety and Security Agent	Prof. Masaki Saito TITECH, Japan
14:45-15:10	Theory of neutron fluctuations with applications in nuclear safeguards and noise diagnostics in research and power reactors	Prof. Imre Pázsit Chalmers Univ. of Technology Sweden
15:10-15:30	JAEA R&D for post-accident environmental remediation and decommissioning in Fukushima	Prof. Shinichi Nakayama JAEA, Japan
15:30-15:45	An overview of radiation processing technology application in Vietnam	Assoc. Prof. Nguyen Quoc Hien VINAGAMMA, Vietnam
15:45-16:00	<i>Coffee break</i>	

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16:00-18:00	IAEA Workshop on "Applications of Nuclear and Isotope Techniques for Water and Environment Studies " Chairpersons: Dr. Nguyen Hao Quang, Dr. Jane Gerado-Abaya	
16:00-16:30	Development and application of new nitrate triple-isotope methods to assess ground and surface water nutrient contamination	Dr. Leonard I. Wassenaar Dep. of Nucl. Sci. and App. Section Head, IAEA
16:30-17:00	Assessing human impacts on the Red River Delta, Vietnam, to enable sustainable hydrological management	Dr. Trinh Anh Duc NTC, VINATOM
17:00-17:30	Using stable isotopes to track migratory animals	Prof. Keith A. Hobson Univ. of Western Ontario, Canada
17:30-18:00	Isotopic and Chemical Techniques to Study Geothermal and Minerals Water Resources	Dr. Dang Duc Nhan INST, VINATOM
19:00-21:00, August 7th, 2019: Welcome Party at Hong Hanh 6 Restaurant		
August 8th, 2019: Technical Sessions and Poster Sessions		
8:00-17:45	Technical sessions: <ul style="list-style-type: none"> • Section A: Nuclear Reactor, Nuclear Power and Human Resource Training • Section B: Nuclear Physics, Nuclear Data, Accelerator and Nuclear Analysis. • Section C: Radiation Measurement, Radiation Safety and Environment Monitoring. • Section D1-D2: Application of Nuclear Techniques in healthcare, industry and others. • Section D3-D4: Application of Nuclear Techniques in agriculture and Radiation Technology Application. • Section E: Radiochemistry and radiation&nuclear chemistry, nuclear fuel cycle, nuclear material science and technology, radioactive waste management 	
8:00-10:05	Technical sessions	Presenters
10:05-10:20	<i>Coffee break</i>	
10:20-12:25	Technical sessions	Presenters
12:25-13:30	<i>Lunch break</i>	
13:30-14:45	Technical sessions	Presenters
14:45-16:30	Coffee break followed by Poster Sessions	
16:30-17:45	Technical sessions	Presenters
August 9th, 2019: Technical Sessions, Plenary Session: Summary Report and Closing		
8:00-12:25	Technical sessions: <ul style="list-style-type: none"> • Section A: Nuclear Reactor, Nuclear Power and Human Resource Training • Section B: Nuclear Physics, Nuclear Data, Accelerator and Nuclear Analysis. • Section C: Radiation Measurement, Radiation Safety and Environment Monitoring. • Section D1-D2: Application of Nuclear Techniques in healthcare, industry 	

Time	Content	Person Responsible
	and others. <ul style="list-style-type: none"> • Section D3-D4: Application of Nuclear Techniques in agriculture and Radiation Technology Application. • Section E: Radiochemistry and radiation&nuclear chemistry, nuclear fuel cycle, nuclear material science and technology, radioactive waste management 	
8:00-10:05	Technical sessions	Presenters
10:05-10:20	<i>Coffee break</i>	
10:20-12:25	Technical sessions	Presenters
12:25-13:30	<i>Lunch break</i>	
13:30-15:30	Plenary session: Summary Reports and Closing	
13:30-13:35	Introduction of Chairman	Dr. Tran Ngoc Toan Vice-President of VINATOM
	Chairpersons: Dr. Tran Chi Thanh, Assoc. Prof. Nguyen Nhi Dien, Prof. Masaki Saito	
13:35-15:05	Summary Reports of all Technical Sessions	Chairmen of Technical Sessions
15:05-15:15	Conference summary report	Assoc. Prof. Nguyen Nhi Dien Vice-President of Scientific Committee of VINATOM
15:15-15:25	Awards for the best papers and the best papers of young scientists	Organizing Committee
15:25-15:30	Closing remarks	Dr. Tran Ngoc Toan Vice-President of VINATOM