



NAAC ACCREDITED 'A++' GRADE COLLEGE

2022-23

Name of the Department/Society: Department of Physics and Electronics, IQAC, JNU, IAPT, NPCIL

Name of the Event: Workshop: International Symposium on Nuclear Energy Solutions and its Future Aspects

Date of the Event: 16-17 March, 2023

Report on International Symposium on Nuclear Energy Solutions and its Future Aspects

Department of Physics & Electronics, Hansraj College, University of Delhi under the aegis of IQAC, HRC in Collaboration with JNU along with the **IAPT Regional Council (Delhi & Haryana)**, NPCIL, University of Delhi organized International Symposium on Nuclear Energy Solutions and its Future Aspects (ISNESFA-2023) on 16-17 March, 2023 in online mode through Zoom Platform. Themes of symposium were Advanced energy technology, Nuclear Security, Radioactive Waste Management, Advocating for a clean energy future, Renewables, Advanced Science and Technology Solutions, Future of clean Energy, Materials for Nuclear Energy Systems. Members of the Organizing Committee cordially invited eminent speakers from various institutes. The main objective of this symposium was "To get an opportunity to hear from experts and important voices on different clean energy approaches".

Symposium encouraged all young people interested in nuclear energy, renewable energy, advanced science and technology solutions or the future of clean energy to attend and joined in the conversation. This provided an excellent meeting place for exchange of ideas in a congenial atmosphere leading to emergence of novel ideas which when put in practice would be beneficial to students and society at large. The international and national advisory board members and steering committee member belong to various reputed organizations. The invited speakers on Day-1 (16 March, 2023) were Prof. Shri B.V.S. Sekhar, NPCIL, Associate Director (Corporate Planning & Corporate Communication), Title: Nuclear Energy Solution and Applications; Ms Khadija BENDAM, WiN Morocco president, WiN Global Executive WINEPRI Leader, INSC Executive, Title: Role of women in advocating for a clean energy future; Prof. Jan Blomgren, CEO, INBEx, Uppsala University, Stockholm, Sweden, Title: Green energy transition the art of the impossible; Ms. Meera Venkatesh, Retired Director, IAEA, Vienna and Retired Head, Radiopharmaceuticals Division, BARC, Title: Nuclear Applications for Societal Benefits Complementing Nuclear Energy Option and Day-2 (17 March, 2023) were Prof. Sanjoy Mukhopadhyay Sr. Principal Scientist, Mission Support and Test Services USA, Title: Advanced Nuclear Reactors Understanding the complexity of economic, logistic, legal, and licensing challenges; Prof. B. P. Singh Physics



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Department, Aligarh Muslim University, Aligarh, U.P., India, Title: Accelerator Driven Sub Critical Reactor System Energy Generation, Nuclear Waste Incineration and Sustainable Development; Dr Pawan Kumar Kulriya, Associate Professor, SPS, JNU, New Delhi, India, Title: Materials Challenges for Nuclear Energy Applications; Prof. Jhansi Kandasamy, Net Zero Program Director INL USA, Title: Advocating for Clean Energy. The day-1 started with the inaugural session where Vice-Principal Alka Kacker, HRC welcomed speaker and audience just after that Prof. Mona Bhatnagar IQAC director, HRC introduced the first speaker. There were four speakers on day-1 and day-2 each. Each session was conducted as a lecture followed by interactive session. Speakers for both days explored several areas of nuclear physics and discussed its uses and applications in medical, defence, agriculture, industry, society etc. The main focus of the speakers was nuclear energy solutions and its future aspects. The talk delivered by all the speakers were lucid, informative and interactive. At the end of day-2, Vote of thanks was given by Dr. J. Gellanki, Convener, HRC. Around 180 participants were registered and participated in the symposium. The symposium was a grand success with active participation of audience.

Brochure:

<p>ORGANIZERS Patron Padma Shri Dr. Punam Suri (Chairman, Governing Body)</p> <p>Chairperson (Principal) Prof. Rama</p> <p>IQAC Director Dr. Mona Bhatnagar, HRC, DU</p> <p>Convener(s) Dr. Jnaneswari Gellanki HRC, DU Dr. Pawan Kumar Kulriya SPS, JNU</p> <p>Co-ordinator Dr. Yogesh Kumar HRC, DU</p> <p>Organizing Committee Dr. N. P. Thari (HRC, DU), Dr. R. K. Verma (HRC, DU), Dr. Nishant Shankhwar (HRC, DU), Dr. Neelakshi N. K. Bora (HRC, DU), Dr. Barkant Prasad (HRC, DU), Dr. Rongdi Bhatnagar (HRC, DU), Dr. Neelam Singh (HRC, DU), Dr. Anan Phogat (HRC, DU), Dr. Sanjeev Kumar (HRC, DU), Dr. Ganesh Lal (HRC, DU), Dr. Shikant Chaudhary (HRC, DU), Dr. Sonda Topi (HRC, DU), Dr. Satyam Kumar (HRC, DU), F.C. Members (BAP, RCI), Dr. A. P. Prasad (SPS, JNU), Dr. A. K. S. Jha (SPS, JNU), Ms. Jharna Talwar (NPCR)</p>	<p>Invited Speakers (Day-1): 16 March 2023</p> <ul style="list-style-type: none"> Prof. Shri B.V.S. Sekhar, NPCIL, Associate Director (Corporate Planning & Corporate Communication) Title: Nuclear Energy Solution and Applications Time: 11:00 am Ms. Khadija BENDAM, WIN, Morocco president, WIN Global Executive WINEPRI Leader Title: Role of women in advocating for a clean energy future Time: 12:30 pm Prof. Jan Blomgren, CEO, INBEX, Uppsala University, Stockholm, Sweden Title: Green energy transition - the art of the impossible Time: 2:30 pm Ms. Meera Venkatesh, Retired Director IAEA, Vienna and Retired Head, Radiopharmaceuticals Division, BARC Title: Nuclear Applications for Societal Benefits – Complementing Nuclear Energy Option Time: 4:30 pm 	<p>Invited Speakers (Day-2): 17 March 2023</p> <ul style="list-style-type: none"> Prof. Sanjoy Mukhopadhyay Sr. Principal Scientist, Mission Support and Test Services - USA Title: Advanced Nuclear Reactors: Understanding the complexity of economic, logistic, legal, and licensing challenges Time: 9:30 am Prof. B. P. Singh Physics Department, Aligarh Muslim University, Aligarh, U.P., INDIA Title: Accelerator Driven Sub-Critical Reactor System: Energy Generation, Nuclear Waste Incineration and Sustainable Development Time: 11:00 am Dr. Pawan Kumar Kulriya, Associate Professor, SPS, JNU, New Delhi, India Title: Materials Challenges for Nuclear Energy Applications Time: 7:30 pm Prof. Jhansi Kandasamy Net Zero Program Director INL - USA Title: Advocating for Clean Energy Time: 8:30 pm 	<p>INTERNATIONAL SYMPOSIUM ON NUCLEAR ENERGY SOLUTIONS AND FUTURE ASPECTS (ISNESFA-2023)</p> <p>16-17 March, 2023 Venue: Zoom Platform</p>
<p>About the "ISNESFA"-2023</p> <p>Members of the Organizing Committee cordially invite eminent speakers in the INTERNATIONAL SYMPOSIUM ON NUCLEAR ENERGY SOLUTIONS AND FUTURE ASPECTS being organized by Department of Physics & Electronics, Hansraj College, University of Delhi, New Delhi under the aegis of IQAC, HRC in Collaboration with School of Physical Sciences, Jawaharlar Nehru University, New Delhi. The objective of this symposium is "to get an opportunity to hear from experts and important voices on different clean energy approaches". We encourage all young people interested in nuclear energy, renewables, advanced science and technology solutions, or the future of clean energy to attend and join in the conversation". This will provide an excellent meeting place for exchange of ideas in a congenial atmosphere leading to emergence of novel ideas which when put in practice would be beneficial to students and society at large.</p>	<p>ADVISORY BOARD (INTERNATIONAL)</p> <ul style="list-style-type: none"> Prof. Abdel Nasser Tawfik, ECTP, FUE, Egypt Prof. Azar Ahmadov, Department of Theoretical Physics, Baku State University, Baku, Azerbaijan Prof. Khadija Bendam, INSC - Europe Prof. Jan Blomgren, CEO INBEX, Uppsala University, Stockholm, Sweden <p>(NATIONAL)</p> <ul style="list-style-type: none"> Prof. Shri B.V.S. Sekhar, NPCIL Prof. A. K. Jain, Ex- IIT Roorkee Prof. Samit K. Mandal, DU Prof. Ashutosh Bhardwaj, DU Prof. Kedar Singh, Dean, SPS, JNU Dr. Shashi Verma, DU Dr. Mamta Saini, HRC, DU Prof. Sushil Kumar, HRC, DU Dr. Pradeep Kumar, HRC, DU Prof. Namrata Soni, HRC, DU Dr. Davuluri Srikala, HRC, DU 	<p>Themes of Symposium</p> <ul style="list-style-type: none"> Advanced energy technology Nuclear security Radioactive waste management Advocating for a clean energy future Renewables Advanced science and technology solutions Future of clean energy Materials for nuclear energy systems <p>STEERING COMMITTEE</p> <ul style="list-style-type: none"> Dr. Mona Bhatnagar, HRC, DU Dr. Amit Sehgal, HRC, DU Prof. Chetana Jain, HRC, DU Dr. Seema Vats, President, IAPT RCI Dr. D. P. Sharma, Direc., NCIDE, IGNDU Dr. Maya Verma, HRC, DU Mrs. Bhavna Vidhani, HRC, DU Dr. Hema Chutani, HRC, DU Ms. Chanchal Yadav, HRC, DU 	<p>Date of Symposium 16 -17 March, 2023 Mode: Online</p> <p>For more details, visit our Website: http://isnesfa.blogspot.com/</p> <p>Correspondence: All correspondence may be done at email id: isnesfa2023@gmail.com</p> <p>Registration Link: https://forms.gle/9atWcV7W5zGirTcU9</p> <p>There is no registration fee for this event.</p> <p>All the participants will get E-certificate of participation.</p> <p>Organized by Department of Physics & Electronics, Hansraj College (DU), Delhi under the aegis of IQAC, HRC in Collaboration with JNU, Delhi</p>



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List of participants

Dr. Shashi Shekher Tiwary
Mr. ABHISHEK N
Mr. Aditya Bhardwaj
Ms. ANSHIKA RANJAN
Mr. Vinod Singh
Dr. Aman Rohilla
Dr. Arunabha Saha
Ms. Arunima verma
Mr. ASHOK KUMAR JANGIR
Ms. Bhavna Vidhani
Ms. Chanchal Yadav
Mr. Chandra Kant
Ms. Debarthi Pal
Ms. DEGBE Patricia-Laurelle
Mr. Parth Doshi
Dr. Francis Maria Anand L
Prof. Jagdeep Kaur
Mr. Avinash Mall
Ms. Himanshu Dadhich
Mr. Jayant
Mr. Rahul Singh
Ms. Priyal Kaushik
Mr. Kiran P
Dr. Mahatta Oza
Dr. Manisha Chhantbar
Dr. Meenu Mohil
Mr. Mohammed Murshid P K
Mr. SAHAL MUHAMED
Dr. Mukesh Mishra
Mr. Smiri Omar
Mr. OSHEEN SHARMA
Dr. Pankaj Kumar Giri
Ms. Priyanka
Mr. Rajesh Kumar Sahoo
Dr. Rangoli Bhatnagar
Dr. Sanjeev Kumar
Ms. Shalini Pathak
Ms. Sharda
Dr. Shahnaz Kossar
Mr. PRIYANSHU SHUKLA

Ms. Sreelakshmi
Mr. Sudheep.
Dr. Tarun Kumar
Mr. A Ashok kumar
Dr. Vibha Vansola
Dr. Vishal Srivastava
Ms. Yogendra Pratap Singh
Dr. Yogesh Kumar