

International e-Conference on Physics -2021

Jointly held by

Bangladesh Physical Society (BPS)

University of Dhaka

Frontiers of Physics of US+Bangladesh Collaboration

Date: 5 – 7 February 2021 (Friday to Sunday)

Time: 19:00 to 23:00 (Bangladesh Standard Time, BST)

Venue: Zoom Online Platform

Conference Programme

Day 1 Friday, 5 th February 2021, 19:00 – 23:00 BST	
Session I: Inauguration, 1900 – 20:10 Venue (Virtual): Zoom Link: https://bdren.zoom.us/j/9531971112 ; Meeting ID: 9531971112	
1900-1910	Welcome Address: Prof. Mesbahuddin Ahmed , <i>President, Bangladesh Physical Society</i>
1910-1935	Address by the Special Guests: Dr. Charles W. Clark , NIST Fellow, <i>National Institute of Standards and Technology, USA</i> Prof. Sultana N. Nahar , APS Fellow, <i>Department of Astronomy, The Ohio State University, USA</i>
1935-1955	Address by the Guests of Honor: Prof. Md. Akhtaruzzaman , <i>Vice-Chancellor, University of Dhaka, Bangladesh</i> His Excellency Earl R. Miller , <i>U.S. Ambassador to the People's Republic of Bangladesh</i>
1955-2005	Address by the Chief Guest: Dr. Dipu Moni , MP, <i>Honorable Minister, Ministry of Education, People's Republic of Bangladesh</i>
2005-2010	Vote of Thanks: Dr. Md. Nazrul Islam Khan , <i>BPS Secretary, Bangladesh Atomic Energy Commission</i>
Session II: Plenary Lectures Venue (Virtual): Zoom Link: https://bdren.zoom.us/j/9531971112 ; Meeting ID: 9531971112 Session Chair: Prof. Mesbahuddin Ahmed , <i>President, Bangladesh Physical Society</i> Session Co-Chair: Dr. A. K. M. Abdul Hakim , <i>Department of Glass & Ceramic Engineering, BUET</i>	
2015-2100	Prof. M. Zahid Hasan , <i>Eugene Higgins Professor of Physics, Princeton University, USA</i> Title: Topological Quantum Matter
2100-2145	Prof. Khandker A. Muttalib , APS Fellow, <i>Department of Physics, University of Florida, USA</i> Title: Progress in thermoelectricity: Green energy for future?
2145-2300	Prof. Eric A. Cornell , <i>Nobel Laureate in Physics 2001, JILA, University of Colorado, USA</i> Title: A Century of Bose Statistics, Including a Quarter-Century of Bose-Einstein Condensation
Day 2 Saturday, 6 th February 2021, 19:00 – 23:00 BST	
Session III: Plenary Lectures (each lecture: 25 min, presentation & 5 min, Q&A) Venue (Virtual): Zoom Link: https://bdren.zoom.us/j/9531971112 ; Meeting ID: 9531971112 Session Chair: Prof. A. B. M. Obaidul Islam , <i>Chairman, Department of Physics, University of Dhaka</i> Session Co-Chair: Prof. Suranjan Kumar Das , <i>Department of Physics, Jagannath University</i>	
1900-1930	Dr. Syed Mohammad Hossain , <i>Planning & Development, Bangladesh Atomic Energy Commission</i> Title: The Role of BAEC for the Development of Nuclear Infrastructure and related Workforce in Bangladesh

1930-2000	Prof. Anil K. Pradhan , APS Fellow, <i>Department of Astronomy, The Ohio State University, USA</i> Title: Spectroscopic modeling of stellar-exoplanetary systems
2000-2030	Prof. G. M. Bhuiyan , AvH Fellow, <i>Department of Theoretical Physics, University of Dhaka, Bangladesh</i> Title: Segregation and Critical Behavior of Liquid Binary Alloys
2030-2115	Dr. Charles W. Clark , NIST Fellow, <i>National Institute of Standards and Technology, USA</i> Title: The Quantum Neutron
2115-2145	Prof. K Siddique-e-Rabbani , <i>Department of Biomedical Physics & Technology, University of Dhaka</i> Title: Focused Impedance Method (FIM), an innovation of Dhaka University with potential applications in Biomedical Physics and beyond
2145-2230	Prof. Sultana N. Nahar , APS Fellow, <i>Department of Astronomy, The Ohio State University, USA</i> Title: Gravitational waves, merger of neutron stars, black holes, and heavy elements
2230-2300	Prof. Mohammad Idrish Miah , <i>Department of Physics, CU, Honorary Prof., Griffith University</i> Title: Multiphoton spin generation and detection in semiconductors: Theory and experiment
Day 3 Sunday, 7th February 2021, 19:00 – 23:00 BST	
Session VI: Plenary Lectures (each lecture: 25 min, presentation & 5 min, Q&A) Venue (Virtual): Zoom Link: https://bdren.zoom.us/j/9531971112 ; Meeting ID: 9531971112 Session Chair: Prof. Sultana N. Nahar , APS Fellow, <i>Department of Astronomy, The Ohio State University, USA</i> Session Co-Chair: Prof. Ishtiaque M. Syed , <i>Department of Physics, University of Dhaka</i>	
1900-1930	Dr. A. K. M. Abdul Hakim , BPS Fellow, <i>Department of Glass & Ceramic Engineering, BUET</i> Title: Size Dependent Properties of Nanostructured Materials
1930-2000	Prof. Sheikh A. Akbar , Electrochemical Society Fellow, <i>Dept. of MSE, The Ohio State University, USA</i> Title: Ceramic Nano-heterostructures by Materials Design: Platforms for Sensing and Biomedical Applications
2000-2030	Prof. A. A. Mamun , AvH Fellow, <i>Department of Physics, Jahangirnagar University, Bangladesh</i> Title: Nucleus-Acoustic Waves in Degenerate Quantum Plasmas
2030-2100	Prof. Saleh Hasan Naqib , BAS Fellow, <i>Department of Physics, University of Rajshahi, Bangladesh</i> Title: Pseudogap in hole doped cuprates: Role of the other gap in copper oxide high-T _c superconductors
Session V: US-Bangladesh Education Collaboration Programme	
2100-2230	Mr. Muhammed Sohel Iqbal , Director, <i>EducationUSA Public Affairs Section, U.S. Embassy, Dhaka</i> Title: <i>Study in the US: Guidelines and Scopes</i> Dr. Charles W. Clark , NIST Fellow, <i>National Institute of Standards and Technology, USA</i> Title: US and Bangladesh collaboration Prof. Sultana N. Nahar , APS Fellow, <i>Department of Astronomy, The Ohio State University, USA</i> Title: Tips for admission in US universities
Valedictorian Session Venue (Virtual): Zoom Link: https://bdren.zoom.us/j/9531971112 ; Meeting ID: 9531971112	
2230-2300	Chair: Prof. Mesbahuddin Ahmed , <i>Convener, Organizing Committee</i> Vote of Thanks: Dr. Mohammed Nazrul Islam Khan , <i>Secretary, Organizing Committee</i>