



# THE NATIONAL ACADEMY OF SCIENCES, INDIA (NASI)



**Celebrating 125<sup>th</sup> Birth Anniversary of Professor Meghnad Saha**

**October 6-7, 2018; Venue: Vigyan Parishad, Allahabad**

## Programme

**Registration: On the spot at Vigyan Parishad at 9.00 am on 6<sup>th</sup> Oct. 2018**

Saturday October 6, 2018	
10:00 am - 11:30 am	<p><b>Inaugural Session (Coordination/Compere: Dr Niraj Kumar)</b></p> <p><b>Dr. Anil Kakodkar, President NASI</b> <i>Carrying the legacy of Prof. Meghnad Saha forward</i></p> <p><b>Dr Manju Sharma, Co-Convener</b> <i>Science and Society - Mandate given by the Founder</i></p> <p><b>Dr Ashoke Sen, HRI</b> <i>Topic to be announced</i></p> <p><b>Dr Ajoy Ghatak, Convener</b> <i>Meghnad Saha: A Brief History</i></p> <p><b>Vote of Thanks - Dr. Satya Deo, GS, NASI</b></p>
11:30 am – 12:00 pm	High Tea
12:00 pm – 12:55 pm	<p><b>Technical Session I (Coordination/Compere: Dr Pavitra Tandon):</b> <i>Professor Saha and his Ionization Equation</i></p> <p><b>Dr. Manju Sharma – Chair</b> <b>Dr. Girjesh Govil, Chief Editor, NASI Science Letters -Co-Chair</b></p> <p><b>Speakers:</b> <b>Dr S K Joshi, NPL, New Delhi (20 minutes)</b> <i>Saha and Thermal Ionization</i> <b>Dr. Somak Raychaudhury, IUCAA, Pune (20 minutes)</b> <i>Meghnad Saha's contribution to Astrophysics</i></p> <p><b>Discussions</b></p>

12:55 pm – 01:50 pm	<p><b>Technical Session II (Coordination/Compere: Ms Archana Pant):</b>  <b><i>Applications of Professor Saha's works in Plasma Physics &amp; Nuclear Physics</i></b></p> <p>Dr. Anil Kakodkar – Chair  Dr. Paramjit Khurana, GS, NASI- Co-Chair</p> <p>Speakers:  Dr. Arnab Rai Choudhuri, IISc, Bangalore (20 minutes)  <b><i>A layman's guide to the plasma universe</i></b>  Dr. Anil Bhardwaj, PRL, Ahmedabad (20 minutes)  <b><i>A New Perspective on Solar Wind Interaction with Moon after Chandrayaan-1 Mission</i></b></p> <p>Discussions</p>
01:50 pm – 02:50 pm	<b>LUNCH</b>
02:50 pm – 03:45 pm	<p><b>Technical Session III (Coordination/Compere: Dr Santosh K. Shukla):</b>  <b><i>Other Contributions of Professor Saha</i></b></p> <p>Dr. Jai Pal Mittal, Chief Editor, Proceedings, Sec. A, NASI – Chair  Dr. Amit Ghosh, Chief Editor, Proceedings, Sec. B, NASI – Co-Chair</p> <p>Speakers:  Dr. Debashis Mukherjee, IACS, Kolkata (20 minutes)  <b><i>Professor Saha as an Institution Builder: the Bengal scenario</i></b>  Dr. Atri Mukhopadhyay, Formerly at SINP (20 minutes)  <b><i>Professor Meghnad Saha's Early Science</i></b></p> <p>Discussions</p>
03:45 pm – 04:05 pm	Tea
04:05 pm – 05:10 pm	<p><b>Technical Session IV (Coordination/Compere: Dr Suchitra Banerjee):</b>  <b><i>Prof. Meghnad Saha Memorial Lectures</i></b></p> <p>Dr. H S Mani, Chairperson, NASI-Chennai Chapter – Chair  Dr. Manoj Saxena, DU, Delhi – Co-Chair</p> <p>Speakers:  Dr. Sandip Trivedi, TIFR, Mumbai (25 minutes)  <b><i>Symmetries and The Birth of The Universe</i></b>  Dr Anurag Sharma, IIT Delhi (25 minutes)  <b><i>The Photonics Revolution</i></b></p> <p>Discussions</p>
05:10 pm – 06:00 pm	<p><b>Interaction with students</b>  <b>Coordinators: Dr. S C Dutta Roy, Formerly at IIT Delhi and Dr. Anirban Pathak, IIIT, Noida</b></p>
7:30 pm onwards	<i>Dinner hosted by President NASI at Hotel Yatrik, Allahabad</i>

<b>Sunday October 07, 2018</b>	
09:30 am – 10:25 am	<p><b>Technical Session V (Coordination/Compere: Dr Ravindra Dhar):</b> <i>Professor Saha and Society</i></p> <p>Dr. V P Kamboj, Past President, NASI– Chair Dr. S. L. Srivastava, Managing Editor, Proceedings, NASI –Co-Chair</p> <p><b>Speakers:</b></p> <p>Dr. S C Dutta Roy, Formerly at IIT Delhi <u>(20 minutes)</u> <i>Professor Meghnad Saha as a human being</i> Dr. Shaymal Bhadra, IACS, Kolkata <u>(20 minutes)</u> <i>Professor Meghnad Saha and his contributions to Science &amp; Society</i></p> <p><b>Discussions</b></p>
10:25 am– 11:20 am	<p><b>Technical Session VI (Coordination/Compere: Dr Ashutosh Tripathi):</b> <i>Professor Saha and Society</i></p> <p>Dr. Ashok Misra, Past President, NASI –Chair Dr. Awdhesh Rai, Deptt. of Physics, UoA, Allahabad –Co-Chair</p> <p><b>Speakers:</b></p> <p>Dr. Anirban Pathak, IIIT, Noida <u>(20 minutes)</u> <i>Professor Meghnad Saha: A physicist's approach to social problems</i> Dr. Palash Baran Pal, Calcutta University (Formerly at SINP) <u>(20 minutes)</u> <i>Professor Saha's work on Calendar Reforms</i></p> <p><b>Discussions</b></p>
11:20 am – 11:40 am	<i>Tea</i>
11:40 am – 12:40 pm	<p><b>Concluding session: <i>Remembering Professor Saha's contributions at Allahabad</i> <u>(12 minutes each)</u>- (Coordination/Compere: <u>Dr Manjulika Yadav</u>)</b></p> <p>Dr. Asis Datta, Past President, NASI –Chair Dr. Ajoy Ghatak –Co-Chair</p> <p>Dr. M C Chattopadhyaya, Formerly at Allahabad University <i>Professor Saha: A Visionary at Allahabad</i> Dr. Hari Prakash, Formerly at Allahabad University <i>Professor Saha &amp; Allahabad</i> Dr. Ram Gopal, Formerly at Allahabad University <i>Legacy of Professor Saha's Laboratory at Allahabad University</i></p> <p><b>Discussions</b></p>
12:40 pm – 12:45 pm	<b>Vote of Thanks – Dr. Niraj Kumar, Executive Secretary-NASI</b>

**Note:** For any enquiry/help regarding the settlement of TA/DA, please contact Sri A K Srivastava, Dy. ES, NASI or Sri Ankit Trivedi, NASI; For Media/Reporting to the Press, Sri B. P. Singh, AES, NASI will coordinate; For transport and accommodation, please contact Dr Santosh K. Shukla, AES, NASI; For any travel enquiry, please contact Ms Deepti Jaiswal, S.O., NASI.