



*Electron Microscope Society of India  
(EMSI)*

**&**

*CSIR-Advanced Materials and Processes  
Research Institute, Bhopal, India*



Welcome @ 6.00 PM

Dr. Avanish Kumar Srivastava,  
President, EMSI and Director, CSIR-AMPRI



Workshop Chairman @ 6.05 PM

Prof. Kamanio Chattopadhyay,  
Honorary Professor, Department of Materials  
Engineering, Convenor, Interdisciplinary Center  
for Energy Research, Indian Institute of Science,  
Bangalore

**You're Invited**

**Dr. Avanish Kumar Srivastava**

**Director, CSIR-AMPRI & President, EMSI**



# *Prof. N. N. Dasgupta Memorial Workshop*

**on 111<sup>th</sup> Birthday anniversary completion**

**Join Live**

**YouTube :** [https://youtu.be/iMXm97uq3\\_8](https://youtu.be/iMXm97uq3_8)  
**& Zoom :** Meeting ID – 872 2654 4636 , Code - 01022021



**February 1<sup>st</sup> 2021 – 6.00 PM (IST)/ 6.00 AM (ET)/3.00 PM CET)**

## *Our Distinguished speakers*

***Prof. Pulikel M  
Ajayan***



Benjamin M. and Mary  
Greenwood Anderson  
Professor of Engineering,  
Rice University, USA

Prof N N Dasgupta memorial  
lecture @ 6.10 PM IST

***Prof. Andras  
E Vladar***



Project Leader, Microsystems  
and Nanotechnology Division,  
National Institute of Standards  
and Technology, USA

Distinguished Lecture  
@ 7.10 PM IST

***Prof. Carlo S  
Casari***



Full Professor in Physics of  
Matter at Politecnico di  
Milano, Department of  
Energy, Italy

Distinguished Lecture  
@ 8.00 PM IST



CSIR-AMPRI

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About the Workshop

EMSI was founded in 1961 for connecting the research and academic communities in India for creating awareness and effective utilization of facilities. On memory of the founder president Prof. N. N. Dasgupta, EMSI arrange distinguished lecture series once in a year. He was instrumental and built India's first Asia's Transmission Electron Microscope in 1940's. This coming year, we arrange it on his birth anniversary (1<sup>st</sup> February 1909). Due to the COVID situation we are organizing the memorial lecture and workshop this year through online mode.

**About Prof. N. N. Dasgupta**

Niraj Nath Das Gupta obtained a PhD degree (1938) from the University of London and a DSc degree from the University of Kalyani, with a specialization in biophysics, biomedical science and electron microscopy. He was initially employed in University of Calcutta (1969-74) and Professor-in-charge, Electron Microscope Centre, University of Calcutta (1974-80) before becoming Professor and Head, Biophysics Division, Saha Institute of Nuclear Physics, Kolkata (1951-69). The horizontal type transmission electron microscope, claimed by experts as the first to be built in Asia by a team of city scientists in the 1940s, was put on display at the Saha Institute of Nuclear Physics (SINP). The equipment was built over two years — 1946 to 1948 — by a team of scientists led by Prof. N.N. Dasgupta, a well-known biophysicist associated with SINP and the University of Calcutta.



**Asia's first Horizontal Transmission Electron Microscope (1946-1948)  
At display in Saha Institute of Nuclear Physics (SINP)**