

is organising

9th DR. J. K. ARORA MEMORIAL LECTURE

TITLE OF THE TALK

“The \$100/kWh Tipping Point: How Batteries Can Rewrite the Global and Indian Economy”



PROF. DR. J. K. ARORA



DISTINGUISHED SPEAKER

PROF. SAGAR MITRA
PROFESSOR, INDIAN INSTITUTE
OF TECHNOLOGY, BOMBAY

THE MEMORIAL LECTURE

Punjab Engineering College takes great pride in hosting the 9th Dr. J. K. Arora Memorial Lecture, commemorating the remarkable contributions and lasting legacy of Prof. Dr. J. K. Arora.

TITLE OF THE TALK

“ **THE \$100/KWH TIPPING POINT: HOW BATTERIES CAN REWRITE THE GLOBAL AND INDIAN ECONOMY** ”



Date
18th September, 2026 (Friday)



Time
10:30 A.M.



Venue
Senate Hall, Administrative
Block, PEC



Distinguished Speaker

Prof. Sagar Mitra

Professor, Indian Institute of Technology Bombay

IN MEMORY OF PROF. DR. J. K. ARORA



Prof. Dr. J. K. Arora was a gold and silver medalist at PEC in 1960. He received his Ph.D. from the Montana State University, Bozeman, USA in 1971. His career spanned over 49 years, during which he made significant contributions to electrical power systems and engineering design. He authored/co-authored more than 40 research papers in national and international publications and was associated with Central Board of Irrigation and Power (CBI&P), New Delhi.

A CAREER OF EXCELLENCE

49 YEARS OF PROFESSIONAL CONTRIBUTIONS



Academic Excellence

- Gold Medalist
- Silver Medalist
- PEC Alumnus
- Academic & Engineering Excellence



Professional Career

- Electrical Power Systems
- Design Systems
- Engineering
- Consultancy
- Central Board of Irrigation and Power (CBI&P), New Delhi



Research Contribution

- 40+ Research Papers
- National & International Publications
- Contribution to Engineering and Power Systems



RESEARCH & CONTRIBUTIONS



40+
RESEARCH PAPERS

Prof. Dr. J. K. Arora made significant contributions to the field of engineering through his research, publications and academic work. His work continues to inspire generations of students, researchers and professionals.



DISTINGUISHED SPEAKER



PROF. SAGAR MITRA

**Professor
Indian Institute of Technology, Bombay**

Prof. Sagar Mitra is currently a Professor in the Department of Energy Science and Engineering at the Indian Institute of Technology Bombay. He received his Ph.D. in Solid State Electrochemistry from IISc, Bangalore, in 2004. He currently leads the battery research team in the National Centre for Photovoltaic Research and Education (funded by the Ministry of New and Renewable Energy, Government of India) at IIT Bombay. His current research mainly focuses on advanced materials and technology development for different energy storage applications, particularly in Lithium-ion batteries and Sodium-ion battery technologies.

THE FEATURED TALK

THE \$100/KWH TIPPING POINT:

HOW BATTERIES CAN REWRITE
THE GLOBAL AND INDIAN ECONOMY



Battery Technology



Energy Storage



Lithium-ion Batteries



Sodium-ion Batteries



Advanced Materials



Global & Indian Economic Impact



ENERGY STORAGE & RESEARCH

RESEARCH FOCUS OF PROF. SAGAR MITRA



ADVANCED
MATERIALS



ENERGY
STORAGE



LITHIUM-ION
BATTERIES



SODIUM-ION
BATTERIES

Prof. Sagar Mitra currently leads the battery research team at the National Centre for Photovoltaic Research and Education, IIT Bombay. The centre is funded by the Ministry of New and Renewable Energy, Government of India.



EVENT DETAILS



18TH SEPTEMBER, 2026
(Friday)



10:30 A.M.



SENATE HALL
Administrative Block, PEC



**SCAN THE QR CODE
TO ATTEND ONLINE**

or join online directly at
<https://meet.google.com/rdh-khqq-mxr>

9th

Dr. J. K. Arora Memorial Lecture

IN MEMORY OF
PROF. DR. J. K. ARORA

*Remembering the legacy.
Inspiring the next generation.*

Punjab Engineering College
Deemed to be University,
Chandigarh

