



National Conference on ENERGY TRANSITION PATHWAYS (NCETP-2026) organized by Department of Physics

J.C. Bose University of Science and Technology, YMCA, Faridabad-121006, Haryana, India
April 21, 2026

SDGs

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QUALITY
EDUCATION



9

INDUSTRY, INNOVATION
AND INFRASTRUCTURE



About the Conference

The primary aim of the conference is to provide a platform for academia, industry, researchers and innovators to discuss the advanced solutions for sustainable energy future, focusing on energy transition, decarbonization and energy security. The conference is expected to identify and implementing cutting edge technologies, promotion of green energy ecosystems, renewable energy projects and energy efficient initiatives.

The University has a long legacy of excellence since its inception in the year 1969 and it has been consistently contributing towards the creation of the best engineering professionals and entrepreneurs. It has attained NAAC Accreditation with Grade 'A+' in 2022. The University is dedicated to provide a congenial academic environment for nurturing young minds to take on the challenges posed by globalization and advancements in different areas of knowledge. In consonance with the vision of the country's top leadership as reflected in the National Education Policy (NEP) 2020, the University focuses on producing trained human resource which have extensive knowledge, modern skills, diverse abilities, leadership qualities, entrepreneurial abilities, and strong cultural and ethical values as guiding spirit.

About the University

About the Department

The department of physics was running in the University under department of humanities and applied sciences, since 2006. The department got its own stature in 2019. The department is known for maintaining quality teaching and a cutting-edge research aptitude in the University and has a number of good profile faculty members. The key research areas include perovskite based photovoltaic materials, advanced composite materials, multiferroic materials, composites of conducting polymers, radiation detection and plasma. The department is committed to create well-rounded individuals ready to comprehend scientific and technical challenges offered in the area of specialization.

Themes/Topics of the Conference

- ❖ Green Hydrogen & Derivatives
- ❖ Energy Storage and Batteries
- ❖ Green Carbon and Carbon Capture
- ❖ Energy System Modelling
- ❖ Materials for Energy Applications
- ❖ Carbon Management
- ❖ Energy Security and Sovereignty
- ❖ Carbon Management
- ❖ Digitalization and AI (related to Energy)
- ❖ Biomaterials and Bio-fuels
- ❖ Decarbonization Pathways
- ❖ Energy Sector Innovation

Important Dates

April 14, 2026
(Revised Last
Date of
Submission of
Abstract)

April 14,
2026
(Revised Notice
of Acceptance)

April 15,
2026
(Registration
End Date)

Registration Fee Details

Student/Research Scholars Delegates	Nil
Delegates from Academic Institutions (Faculty/Postdoc Fellows)	Rs. 1500/-
Delegates from Industry	Rs. 3000/-

* Registration fee is to be submitted in account of Registrar, J.C. Bose UST, YMCA, Faridabad (A/C No.: 14660100000088; IFSC Code: IOBA0001466)

Guidelines for Authors

Contributed papers on original and unpublished research work are invited on the topics mentioned above. Submit one page abstract of the paper highlighting the results of your work with word limit 200-250. The abstract should be typed on A4 size paper with normal margins. The name of the presenting author should be marked with an asterisk (*) along with e-mail ID. The decision for the oral/poster presentation will be strictly followed as per approval of the technical programme committee. Submit only the electronic copy of the abstract at the e-mail address ncetpconference@gmail.com. All the accepted abstracts will be published in the form of Abstract Book.

Authors are advised to adhere with ethical and plagiarism guidelines laid by the UGC.

Patron:

Prof. Rajive Kumar, Hon'ble Vice-Chancellor, J.C. Bose UST, YMCA

Co-Patron:

Prof. Ajay Ranga, Registrar, J.C. Bose UST, YMCA

Prof. Anuradha Sharma, Dean (Sciences), J.C. Bose UST, YMCA

Convener: Prof. Sonia, Chairperson (Physics)

Co-Convener: Dr. Ompal Singh

Coordinators: Dr. Suresh Panchal and Dr. Kaushal Kumar

Registration Link

<https://forms.gle/SDP6LuucRJeX9i3R7>

