

MODE OF PARTICIPATION

The current COVID pandemic situation has led to the cancellation of several scientific symposia in the last year, including the 2020 DAE-SSPS conference that was to be held at BARC, Mumbai during December 2020.

This has adversely affected the researchers in the community, more specifically the younger researchers, who have missed a golden opportunity to present both, their work and themselves, to the rest of the scientific community. For more senior researchers, this has impacted their interactions in the community, affecting new ideas and new collaborations.

Since the pandemic is still ongoing and far from over, the current 65th DAE-SSPS-2021 is planned to be held in hybrid mode. In this mode, local participants from Mumbai will be participating physically, whereas all others will participate virtually via on-line platform.

This hybrid mode is expected to be more convenient and safe for participating, considering the current pandemic situation, while reaping the benefits of the conference.

DESCRIPTION

The focus at this event will be on several aspects of condensed matter physics, including phase transitions, nano materials, thin films, energy materials, experimental techniques and measurements, effect of high pressure, temperature etc. Topics covered will include physics, chemistry, material science, as well as soft condensed matter including biological systems. Everyone in the solid state community is welcome to attend.

CONVENER

Prof. D. V. Udupa
Atomic & Molecular Physics Division
Bhabha Atomic Research Centre
Mumbai 400085, India
Email: dudupa@barc.gov.in

SCIENTIFIC SECRETARIES

Dr. Arup Biswas
Atomic & Molecular Physics Division

&

Dr. Ajay K. Mishra
High Pressure & Synchrotron Radiation
Physics Division

Bhabha Atomic Research Centre
Mumbai 400085, India

E-mail: daessps2021@gmail.com
Tel: +91-22-25590453/25597192

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Veerendra K. Sharma	BARC	Mumbai

65th DAE-Solid State Physics Symposium

December 15 - 19, 2021

DAE Convention Centre,
Anushaktinagar, Mumbai



Organized by

Bhabha Atomic Research Centre,
Mumbai, India



Sponsored by

Board of Research in Nuclear Sciences
Department of Atomic Energy
Government of India

The 65th DAE Solid State Physics Symposium (DAE-SSPS 2021) will be held at **DAE Convention Centre, Anushaktinagar, Mumbai** during **December 15-19, 2021**. The scientific deliberations at the symposium will cover a wide range of topics in condensed matter physics, in the form of plenary talks, invited talks, seminars, and contributory papers. In addition, there will be talks by **Young Achiever Award (YAA)** nominees, and presentations of **Ph.D. theses**. Accepted contributory papers will be presented as posters, and a few will be selected for oral presentations.

The proceedings of the symposium will be available online on the <http://www.daessps.in>.

SUBJECT CATEGORIES

- a) Phase transitions and dynamics
- b) Soft condensed matter including biological systems
- c) Nano-materials
- d) Experimental techniques and devices
- e) Glasses and amorphous systems
- f) Surfaces, interfaces, and thin films
- g) Computational methods, and electronic structures
- h) Single crystals growth and characterization
- i) Transport properties
- j) Semiconductor physics
- k) Magnetism, superconductivity, and spintronics
- l) Energy materials
- m) 1-D and 2-D materials

Submission of papers and registration may be made only via the following website:

<http://www.daessps.in>

PREPARATION OF MANUSCRIPT

Submission of manuscripts can be made at the website during **Aug 20 – Sep 15, 2021**.

You will need to create a ‘user account’ at the symposium website to submit a paper. Please **download ‘double column’ template file** (*.docx) from the symposium website to prepare manuscripts and abstracts.. The DOCX files of manuscript and abstract as well as a PDF version of the manuscript have to be uploaded at the website.

The length of manuscripts will be **2 pages** for contributed papers, **3 pages** for YAA and Ph. D Thesis and **up to 4 pages** for plenary and invited talks.

Manuscripts not confirming to the template will be rejected and will not be considered for review.

Ensure that texts and figures in the manuscripts are clear, legible, scientifically correct and free of errors.

Please note that only contributed, invited talk and plenary talk papers, provided in the desired format, would be considered for publishing in the proceedings of the symposium.

A participant can submit and present one manuscript only. However, one can be a co-author of more than one paper.

Acceptance of papers will be communicated by October 25, 2021.

Please note that only those papers that are presented in the symposium will be considered for publication in the online proceedings at the symposium website. Only registered participant can present the paper in the symposium. Users would be able to edit/modify the paper via ‘resubmission’ till **Sep 15, 2021**.

REGISTRATION

Physical attendance option is available only for local participants from Mumbai. **No accommodation will be provided.** Outstation participants to attend in online mode only.

Registration at the website will start from **November 01, 2021** and all the researchers desirous to participate need to register on or before **November 15, 2021**

The registration fees are as follows:

Registration (online participation): Rs. 1000/-
Registration (physical attendance): Rs. 2500/-

If you have created a ‘user account’ at the symposium website for paper submission, the same can be used for the registration, otherwise please create a new account.

Payment can be made by **NEFT**. The details, related to bank account, are available at the symposium website. After completion of registration, you will receive an email with all details. The receipt of online transaction (NEFT) should be sent by email to Scientific secretaries at daessps2021@gmail.com

IMPORTANT DATES

Paper Submission	: Aug 20-Sept 15, 2021
Acceptance of Paper-Intimation	: Oct 24-Oct 25, 2021
Registration	: Oct 26-Nov 15, 2021
Symposium	: Dec 15-Dec 19, 2021

AWARDS

Poster Award

Few on line poster presentations will be selected for the Best Poster Awards.

Ph.D. Thesis Award

Student whose Ph.D. Thesis (in the field of Solid State Physics) has been submitted **on or after August 01, 2019** may submit his/her work in the form of a regular paper along with the thesis submission form (available at the symposium website) certified by the Head of the Department. Thesis submitted to DAE-SSPS 2019, will not be reconsidered for presentation in DAE-SSPS 2021.

A few theses will be selected for awards.

Young Achiever Award

Nominations are invited for the Young Achiever Award (YAA) from scientists (age below 41 years and having at least 3 years of research experience after Ph.D. degree) working in the field of condensed matter physics. The nominations should be submitted by **Sep 15, 2021**. Details related to this award are available at the website. The template for preparation of CV is available at the website.