

## ACCOMMODATION

Requests for accommodation can be made via the website during **October 03 - November 04, 2022**. If you have already created an "User Account" for paper submission or registration, the same can be used to send the accommodation request, or else, please create a new account. Accommodation charges are as follows:

**Students: Rs. 5000/-**

(Full symposium period)

Accommodations for faculty and senior scientists can be arranged in Hotels and guest houses in and around BIT Mesra. Those who desire to book this accommodation should approach the Convener, Local Organizing Committee as early as possible (**before November 04, 2022**). The details of tariff and booking may be obtained from the Convener, Local Organizing Committee.

The NEFT details should be ready before you begin to fill the 'request for accommodation' form at the website, as the same are needed for this purpose. The bank account details will be provided on acceptance of a manuscript.

After completion of the request, you will receive an email with all details. Copy of the email along with the NEFT details (**for accommodation only**) should be sent to local convener by email within 10 days.

**Prof. S. K. Rout**

**Convener, Local Organizing Committee**

**BIT, Mesra**

**Ranchi- 835215, Jharkhand, INDIA**

**Email: skrout@bitmesra.ac.in**

**Tel: 06512275027**

## FINANCIAL ASSISTANCE

Sleeper class train fare by the shortest route may be provided on request to a few deserving research students and post-docs presenting their theses or papers. Participants attending the symposium for all 5 days will be eligible for financial assistance.

Request for the financial assistance via the website can be made during **03-20 October, 2022**. If you have already created an "User Account" for paper submission or registration, the same can be used for requesting financial assistance.

Certificate from parent institution, clearly stating that the participant has no access to funds from any other source, must also be sent to the Convener, DAE SSPS 2022 along with the request.

## CONVENER

**Prof. D. V. Udupa**

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**Bhabha Atomic Research Centre**

**Mumbai 400085, India**

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## SCIENTIFIC SECRETARIES

**Dr. Ajay K. Mishra**

**High Pressure & Synchrotron Radiation  
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**&**

**Dr. Mohit Tyagi**

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## ADVISORY COMMITTEE

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## ORGANIZING COMMITTEE

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V. A. Bambole	Mumbai Univ.	Mumbai
V. K. Aswal	BARC	Mumbai

# 66<sup>th</sup> DAE-Solid State Physics Symposium

**December 18 - 22, 2022**

**Birla Institute of Technology  
Mesra, Ranchi  
Jharkhand, India**



*Organized by*

**Bhabha Atomic Research Centre,  
Mumbai, India**

*Sponsored by*

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

The 66<sup>th</sup> DAE Solid State Physics Symposium (DAE-SSPS-2022) will be held at **Birla Institute Technology, Mesra** during **December 18-22, 2022**. 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, evening talks, thematic 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 matter including polymer and biological systems
- c) Nano-materials
- d) Experimental techniques and devices
- e) Single crystals, glasses and amorphous systems
- f) Surfaces, interfaces, and thin films
- g) Computational methods, and electronic structures
- h) Dielectric, ferroelectric and piezoelectric
- i) Transport properties
- j) Semiconductor and spintronics
- k) Magnetism and superconductivity
- l) Energy materials
- m) 1-D, 2-D and quantum materials

### PREPARATION OF MANUSCRIPT

Submission of manuscripts can be made at the website during **July 04 – Aug 05, 2022**.

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. The DOCX files of manuscript as well as a PDF version of the manuscript have to be uploaded at the website.

The length of manuscripts will be **3 pages** for contributed papers, **5 pages** for YAA and Ph. D Thesis and **up to 6 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 **September 25, 2022**.

Please note that only those papers that are presented in the symposium will be considered for publication. It is planned to publish the papers in **AIP proceedings** on **chargeable basis**. The details will be announced later. Only registered participant can present the paper in the symposium. Users would be able to edit/modify the papers via ‘resubmission’ till **Aug 05, 2022**.

### Registration

Registration at the website will start from **October 03, 2022** and all the researchers desirous to participate need to register on or before **November 04, 2022**

The registration fees are as follows:

**Research Student / Post-doc : Rs. 4000/-**  
**Scientist / Faculty member : Rs. 5000/-**  
**Accompanying person : Rs. 3500/-**

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.

If you wish to attend the symposium without submitting a paper, you would also need to register by creating a ‘user 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 [daessps2022@gmail.com](mailto:daessps2022@gmail.com)

### IMPORTANT DATES

<b>Paper Submission</b>	<b>July 04-Aug 05, 2022</b>
<b>Acceptance of Paper- Intimation by</b>	<b>Sep 25, 2022</b>
<b>Registration</b>	<b>Oct 03-Nov 04, 2022</b>
<b>Symposium</b>	<b>Dec 18-Dec 22, 2022</b>

### Copyright Transfer Form

The copyright transfer form to publish your article in on-line proceedings on DAE SSPS website will be made available via email.

### AWARDS

#### Poster Award

Few 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 20, 2021** 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 2021, will not be reconsidered for presentation in DAE-SSPS 2022.

A few theses will be selected for awards.

#### Young Achiever Award

Nominations are invited for the Young Achiever Award (YAA) from scientists (age below 40 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 August 05, 2022. Details related to this award are available at the website. The template for preparation of CV is also available at the website.