



AISSMS
COLLEGE OF ENGINEERING
ज्ञानम् सफलजनदिलाय
Approved by AICTE, New Delhi, Recognized by Government of Maharashtra
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC
(Id.No. PU/PUN/Engg./093 (1992))
Accredited by NAAC with "A+" Grade



भिक्षण प्रसाराचे कार्य केले महान
आपल्या कर्तृत्वाचा आम्हा अभिमान
अमर झालात तुम्ही 'लोकराजा' नामी
केसे फेडू हे उपकार या जन्मी।

On the occasion of Smriti Shatabdi Parv of Rajarshi Shahu Maharaj

AISSMS College of Engineering, Pune

Under the Aegis of Western Regional Chapter of
Solar Energy Society of India (SESI)

Organizing

International Conference on Green Energy

ICOGE 2023

Date : 16th - 17th MAY 2023

MODE: HYBRID

Venue:

Hybrid Conference : AISSMS College of Engineering, Pune

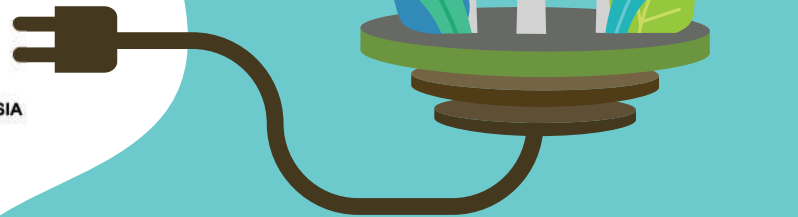
Mr. Nitin P. Mawale

Convener, ICOGE 2023 &
Secretary, Western Regional Chapter, SESI
✉ npmawale@aissmscoe.com
☎ +91 97642 48929

Dr. D. S. Bormane

Conference Chair, ICOGE 2023 &
Chairman, Western Regional Chapter, SESI
✉ principal@aissmscoe.com

Technical Sponsors



<https://aissmscoe.com/icoge-2023/>

📷 📺 📱 📧 @AISSMS_COE

CHIEF PATRON



Shrimant Shahu Chhatrapati Maharaj
President, AISSM Society, Pune

PATRONS



Shri. Sambhajiraje Chhatrapati
Vice President,
AISSM Society, Pune



Shri. Malojiraje Chhatrapati
Hon. Secretary,
AISSM Society, Pune



Shri. Prafulla Pathak
President,
SESI, New Delhi



Dr. Pratapsinh K. Desai
President,
ISTE, New Delhi



Prof.(Dr) V. Gunasekhar Reddy
President,
IETE, New Delhi



Mr. P. V. Narayan
President,
TRIZ Association of Asia

OFFICE BEARERS



Shri. Suresh Pratap Shinde
Hon. Joint Secretary,
AISSM Society,
Pune



Shri. Ajay Uttamrao Patil
Treasurer,
AISSM Society,
Pune



Shri. Vishwas Bajirao Patil
Chairman,
Governing Council,
AISSM Society, Pune



Adv. Bhagwanrao Salunkhe
Chairman,
Managing Committee,
AISSM Society, Pune



CONFERENCE CHAIR

Prof. (Dr) D.S. Bormane
Principal, AISSMS COE, Pune &
Chairman, Western Regional
Chapter, SESI



CONVENER

Prof. Nitin P. Mawale
Secretary, Western Regional
Chapter of SESI



CO-ORDINATOR

Dr U. R. Awari

HONORARY CHAIR

Prof. (Dr.) K. V. Kale, Vice Chancellor, SPPU, Pune
Prof. (Dr.) S. M. Sutaone, Vice Chancellor, COEP, Technological University, Pune

ADVISORY COMMITTEE

- **Mr. V. S. Varma**,
Mentor, SESI
- **Mr. Ajay Prakash Shrivastava**,
Immediate Past President, SESI
- **Mr. Anil Mishra**,
Vice President, SESI, New Delhi
- **Mr. Gulabsing Girase**,
Vice President (West), SESI
- **Dr. Anil Kumar**,
Vice President (East), SESI
- **Mr. Harish C. Chawla**,
Vice President (North), SESI
- **Dr. Eswaramoorthy Muthusamy**,
Vice President (South), SESI
- **Prof. Mukesh Pande**,
Vice President (Central), SESI
- **Mr. Arun Kumar Mishra**,
Secretary General, SESI
- **Mr. Rajeev K. Deshpande**,
Treasurer, SESI
- **Dr. Sayed Majid Ali**,
Director General, SESI, New Delhi
- **Dr. Oleg Feygenson**,
President of MATRIZ Official & Principal Engineer
at Samsung Electronics
- **Mr. Victor Fey**,
CEO, GEN TRIZ, LLC
- **Dr. Pandit Vidyasagar**,
Ex. Vice Chancellor, SRTM University, Nanded
- **Dr. N. R. Karmalkar**,
Ex. Vice Chancellor, SPPU, Pune
- **Dr. D. B. Shinde**,
Ex. Vice Chancellor, Shivaji University, Kolhapur
- **Dr. B. B. Kale**,
Director General, Centre for Materials for
Electronics Technology, Pune
- **Dr. M. G. Chaskar**,
Dean, Science and Technology, SPPU Pune.
- **Dr. V. M. Gadre**,
Professor, IIT Bombay
- **Dr. C. B. Rama Rao**,
Professor, NIT Warangal
- **Dr. D. V. Jadhav**,
Joint Director, RO, Pune
- **Mr. Muneer Sayyad**,
Vice President, Reliance Industries Ltd, Mumbai

ICOGE 2023

Solar Energy Society of India (SESI) has been organizing conventions/ conferences/ seminars for more than three decades at National/ International level. During this period the Society has undergone profound changes and has finally grown to take up the challenge of organizing an annual event such as ICOGE 2023 (International Conference on Green Energy) thus establishing India at par with developed nations hosting international events on a regular basis. ICOGE 2023 covers all aspects of new and renewable energy and will focus on Solar Energy in particular thus providing an excellent platform for renewable energy researchers, academics, policy makers and industrialists in India as well as abroad. This year the ICOGE 2023 is proposed to be held at AISSMS College of Engineering, Pune, Maharashtra, India.

ABOUT SESI

Solar Energy Society of India (**SESI**), established in 1976 with its Secretariat in New Delhi. As such, the oldest and apex body in Indian solar sector. The visionary leadership at formation of SESI consist of founder members belonging to Ministry of Science and Technology, The academia from the national institute of technology, Indian Institute of Technology and industry belonging to science and technology at the time of formation. The need of alternate energy faced by India leadership at that time is basis of foundation. Since then, SESI is instrumental in associating with policy makers, industry leaders and thy interaction with researchers, academia and innovative enthusiast in the sector. The SESI leadership also developed the future leaders in sector, who have acquired prominent positions in assesing need of society, policy making, planning, implementation and execution of the necessary procedures to make the community in india to develop on the objective. SESI is a multi-faceted national membership organization. With its long history and extensive technical and scientific expertise provided by its members, the Society is a modern, future oriented. SESI has been serving the needs of the renewable energy community and the society supports its members in the advancement of Renewable Energy Technological, Implementation and Education. The objectives of SESI are to advance, promote and propagate the use of renewable energy by encouraging basic and applied research in renewable energy.

ABOUT THE AISSM SOCIETY

All India Shri Shivaji Memorial Society (AISSMS) was established in 1917 by Rajarshi Shahu Chhatrapati Maharaj of Kolhapur in memory of Chhatrapati Shivaji Maharaj to promote the noble cause of education. It was established with the well-defined objective to bring about the all-around development of students and to create technically skilled manpower in various fields. Due to this students are gaining soaring heights in the competitive environment posed by society. Today, besides running residential and day school and Jr. Colleges, AISSMS runs a word class College of Engineering, Institute of Information Technology, College of Hotel Management & Catering Technology, College of Pharmacy, Institute of Management, Polytechnic and Private Industrial Institute with a wide spectrum of disciplines. Hence, the AISSM Society is providing education from Nursery to Ph.D., thousand plus students are receiving education from the various establishment of AISSMS. All the institutes of AISSMS are imparting excellent education and developing the overall personality of students.

ABOUT AISSMS COE, PUNE

As an educational Institute, it becomes our prime responsibility to provide industry-ready and globally employable engineers to strive to positively impact society and create a notable change. Thus, AISSMS College of Engineering, Pune has strived above and beyond to serve society by providing quality education. With philanthropic zeal along with the vision of service to society through quality education, the AISSM Society sowed the seed of the College of Engineering in 1992. Ever since the day of its inception, the college has maintained the integrity of excellence through its relentless teaching-learning approach.

Approved by AICTE, New Delhi, and affiliated to Savitribai Phule Pune University (SPPU) AISSMS College of Engineering is the first Institute to be accredited **by NAAC with A+ Grade** in the first cycle and has received the “**Best Professional College**” Award in Urban Category by Savitribai Phule Pune University.

Located in the heart of Pune city, the institute holds a sprawling campus of 11 acres with excellent facilities.



RENEWABLES: Growth through Academia-Industry Interface

India is a developing and fast-growing economy and efforts must be made to keep this pace of development for eradication of poverty in the country. As a result, in the past several years our energy needs have been rapidly growing. We need more energy to sustain the growth and bridge the gap in the demand and supply of power. Wider adoption of renewable energy technologies would address the energy security of the country and to meet the objectives of augmenting the power generation in the country and providing energy to rural areas. RE technologies can change the face of rural India in particular by offering easy to use energy solutions within the shortest possible time frame. Ministry of New and Renewable Energy, Govt. of India has been encouraging development and large scale utilization of various renewable energy sources. Also, the Government of India has recently launched the Jawaharlal Nehru National Solar Mission implementation of which is likely to bring about a massive transformation in the way we have been thinking about the use of solar energy till now. It is felt that there is need to have regular and more intensive interaction between academia and industry for speedier development and deployment of RE technologies in the country.

SPEAKERS

As before, **Solar Energy Society of India (SESI)** makes every possible effort to present the latest happenings and developments on significant fronts concerning Renewable Energy Programme. **ICOG 2023** is also expected to witness high intensity deliberations on the key issues of Renewable Energy amongst the leading experts of the day, including those responsible for programme formulation and implementation..

CALL FOR PAPER

Participants are requested to contribute original papers covering the RE topics for presentation at the Congress as per schedule indicated below

■ Registration Starts	April 11, 2023
■ Abstract & Full Length Paper(s) Submission Deadline	April 26, 2023
■ Notification of Acceptance of Full Paper(s)	May 02, 2023
■ Camera Ready Full Length Paper(s)	May 04, 2023

Submit your papers on: icoge2023@aissmscoe.com

REGISTRATION FEE FOR CONFERENCE

Category	Indian Participant	Foreign Participant
■ Student Authors (UG, PG, Ph.D.)	₹ 2500	\$25
■ SESI Members	₹ 1000	\$15
■ Academia	₹ 4000	\$50
■ SESI Member	₹ 2500	\$25
■ Industry	₹ 5000	\$50
■ Non-Author Attendee	₹ 1000	\$15

- 1) Accommodation assistance will be provided at additional charges on the participant's request.
- 2) Participants can take the Solar Energy Society of India (SESI) Life Membership to avail of the SESI Members benefit in the Registration Fee. Membership Cost : A) Residing in India Rs. 5000/- B) Residing abroad Rs. 10,000/-, www.sesi.in

PAPER TEMPLATE

Follow Double-Column IEEE conference template.-Maximum 6 pages. Abstract- within 300 words.



PAYMENT DETAILS

Name of the Bank	:	Bank of Baroda
Account Holder(s) Name	:	The Principal, AISSMS COE, Pune
Bank Account No.	:	04510200000873
Account Type	:	Current Account
Branch Address	:	Shivaji Nagar, Pune- 411005, Maharashtra
9-Digit MICR Code No.	:	411012011
IFSC Code	:	BARB0SHIPOO (Fifth Character is Zero)

- All Payments to be made through **NEFT / RTGS, GooglePay / PhonePe / PayTM, Internet Banking** etc..
- **Note:** Please send details of **NEFT / RTGS, GooglePay / PhonePe / PayTM, Internet Banking** mentioning sender details, UTR / UPI No., Bank Name, Bank Branch, Date of Transfer, A/C holder name etc.
- All accepted and presented papers will be published in a special edition of **SCOPUS Active Journal** or UGC care listed journal / Indian Journal of Technical Education (Print only) **free of cost** with ISSN number. **Charges for the SCOPUS Journal Publication will be extra.**



TRACKS

Track - 1

- Role of Green Energy for Engineering Innovation for a more Resilient World
- Role of Renewable Energy for Creating A Sustainable and Self Reliant India
- Role of Renewable Energy in Engineering Education
- Recent Trends in Renewable Energy
- Impact of Renewable Energy on Industry and Society
- Sustainable Renewable Energy Technologies
- Food Sustainability and Energy Management

Track - 2

- Computational Technologies for Smart Grid
- Scaling Renewable Energy in Healthcare
- Integration of Renewable Energy Sources
- Solar Electricity and PV applications
- EV Technologies and Battery Management
- Communication Technologies for Smart Grid
- Automation, Smart Sensors and Metering

Track - 3

- Computational Techniques in Renewable Energy
- Big Data and IoT in Renewable Energy Management
- Cyber Security and Energy Infrastructure Security
- Green Computing
- Green Energy & Sustainable Development

Track - 4

- Monitoring, Protection and Control in Energy Systems
- Energy Management in Power Sector
- Power Electronics and Grid Interface
- Advanced Power Converter Topologies
- Waste Management and Energy Conservation
- Smart Energy Storage

Track - 5

- Demand, Response, Smart/Green Buildings and Home Automation
- Renewable Energy Technology and Environment
- Nano Technology Applications to Renewable Energy
- Smart Materials, Photonics Material/Technology for Solar Energy
- Thin Film Technology
- Advanced Functional Materials
- Novel Chemistry of Carbon Capture & Utilization and Renewable-Fuels
- Li-Based Batteries
- **Any other relevant to the Conference Theme**



TECHNICAL COMMITTEE

- **Dr. A. A. Godbole,**
HOD Electrical, AISSMS COE, Pune
- **Dr. S. V. Chaitanya,**
HOD Mechanical, AISSMS COE, Pune
- **Dr. M. Y. Naniwadikar,**
HOD, Chemical, AISSMS COE, Pune
- **Dr. S. B. Dhonde,**
HOD E&TC, AISSMS COE, Pune
- **Dr. P. B. Nangare,**
HOD Civil, AISSMS COE, Pune
- **Dr. S. V. Athawale,**
HOD Computer, AISSMS COE, Pune
- **Dr. N. G. Shekarpure,**
HOD Production S/W, AISSMS COE, Pune
- **Dr. D. V. Nighot,**
HOD First Year, AISSMS COE, Pune
- **Dr. C. S. Choudhari,**
IQAC Coordinator
- **Dr. B. D. Bachchhav,**
Academic Coordinator
- **Dr. M. R. Phate,**
NBA Coordinator
- **Dr. D. Y. Dhande,**
NAAC Coordinator
- **Dr. S. R. Parekar,**
ISO Coordinator
- **Dr. V. N. Patil,**
IIC Coordinator
- **Dr. A. V. Waghmare,**
Head, CITP
- **Dr. S. H. Wankhade,**
Coordinator, Research and Development
- **Dr. M. A. Pradhan,**
Associate Professor, Computer
- **Dr. D. P. Gaikwad,**
Associate Professor, Computer
- **Dr. S. F. Sayyad,**
Associate Professor, Computer
- **Dr. M. S. Deshmukh,**
Associate Professor, Mechanical
- **Dr. P. S. Gajjal,**
Associate Professor, Mechanical
- **Dr. A. A. Apte,**
Associate Professor, Electrical
- **Dr. N. N. Shejwal,**
Associate Professor, Physics
- **Dr. L. S. Godse,**
Assistant Professor, Electrical
- **Dr. K. B. Chaudhari,**
Assistant Professor, E&TC
- **Dr. R. R. Itkarkar,**
Assistant Professor, E&TC



ORGANISING COMMITTEE

- **Mr. N. R. Talhar,**
Assistant Professor, Computer
- **Dr. D. M. Ujalambkar,**
Assistant Professor, Computer
- **Dr. M. V. Waghmare,**
Assistant Professor, Civil
- **Dr. D. S. Malwad,**
Assistant Professor, Mechanical
- **Mr. S. B. Dhekale,**
Assistant Professor, E&TC
- **Ms. V. V. Deshmukh,**
Assistant Professor, E&TC
- **Mr. S. H. Lavate,**
Assistant Professor, E&TC
- **Mrs. Y. P. Lad,**
Assistant Professor, E&TC
- **Mrs. V. N. Tarange,**
Assistant Professor, Electrical
- **Mr. P. S. Tadkar,**
Assistant Professor, Chemical
- **Mr. S. S. Patil,**
Assistant Professor, Mechanical
- **Ms. S. S. Bhuniyan,**
Assistant Professor, Civil
- **Mr. S. T. Gade,**
Assistant Professor, Mechanical
- **Mr. S. M. Chaudhari,**
Assistant Professor, Electrical
- **Mr. S. P. Khedekar,**
Assistant Professor, Civil
- **Mr. S. S. Khasbage,**
Assistant Professor, Mechanical
- **Mrs. A. A. Gupta,**
Assistant Professor, Computer
- **Mr. A. B. Bhonsle,**
Admin Officer
- **Mr. S. P. Pimpale,**
Registrar
- **Dr. M. M. Kondhare,**
Physical Director
- **Dr. V. S. Dandwate,**
Librarian
- **Mrs. S. S. Chauhan,**
Finance and Account Officer
- **Mr. N. A. Sale,**
System Admin
- **Mr. M. D. Bhalerao**
- **Mr. N. S. Gajmal**
- **Mr. V. S. Dhobe**
- **Mr. S. A. Mali**



CONTACT

For Sponsorship

Mr. Nitin P. Mawale

Convener, ICOGE 2023 &
Secretary, Western Regional Chapter of SESI

Email: npmawale@aissmscoe.com

Mobile: +91- 97642 48929

Dr. U. R. Awari

Co-ordinator, ICOGE 2023

Email: urawari@aissmscoe.com

Mobile: +91- 97633 14475

For Paper Related Queries

Dr. S. H. Wankhade

Co-ordinator, Technical Committee
Email: shwankhade@aissmscoe.com

Mobile: +91- 7972970976

For further query, write us an email at icoge2023@aissmscoe.com

<https://aissmscoe.com/icoge-2023/>

