

CHAIR PERSONS

Prof. S. Selvasekarapandian, MRC, Coimbatore

Prof. K.S. Lakshmi, MCW, Chennai

INTERNATIONAL ADVISORY COMMITTEE

Dr. Zhaoyin Wen, Chinese academy of Sciences, China

Dr. Stefan Adams, National University of Singapore, Singapore

Dr. B.V.R. Chowdari, Nanyang technological University, Singapore

Dr. Junichi Kawamura, Tohoku University, Japan

Prof. Werner Weppner, University of Kiel, Germany

Dr. Maier, Max Planck Institute, Germany

Dr. Arumugam Manthiram, University of Texas, USA

Dr. N. Kalaiselvi, CSIR, India

Dr. K. J. Sreeram, CECRI, India

Prof. Hanxing Liu, Wuhan University of Technology, China

Prof. Evvy Kartini, BATAN, Indonesia

Prof. Jong- Sook Lee, KRIBB, Korea

Prof. A K. Arof, University of Malaya, Malaysia

Prof. S.R.S. Prabaharan, IBE Technology, India

Prof. Ryoji Kanno, Tokyo Institute of Technology, Japan

Prof. N. Imanishi, Mie University, Japan

Dr. Koji Amezawa, Tohoku University, Japan

Dr. Akitoshi Hayashi, Osaka Prefecture University, Japan

Dr. Koichi Eguchi, Kyoto University, Japan

Dr. Genki Kobayashi, Institute for Molecular Science, Japan

Dr. Vijayakumar Murugesan, PNNL, USA

Prof. V.A. Seneviratne, University of Peradeniya, Sri Lanka

Dr. Han III Yoo, Seoul National University, South Korea

Prof. Hong Li, Chinese academy of Sciences, China

Dr. LI Hongxi, Soochow University, China

Dr. Lang Jian, Soochow University, China

Dr. M.A.K.L. Dissanayake, National Institute of Fundamental Sciences, Sri Lanka

Dr. M.A. Careem, University of Peradeniya, Sri Lanka

Prof. A.K. Thakur, IIT Patna, India

Prof. Ramesh, University of Malaya, Malaysia

Dr. B. Rambabu, Southern University, USA

Dr. R. Sudharsan, ACQUBIT, USA

Dr. Ingo Manke, Helmholtz-Zentrum Berlin, Germany

Dr. Manfred Martin, RWTH Aachen University, Germany

Dr. Masaru Aniya, Kumamoto University, Japan

Dr. Vito Di Noto, University of Padova, Italy

Dr. K.V.R Chary, Rowan University, USA

Dr. Daisuke Mori, Mie University, Japan

Dr. Zamri Zainal Abidin, University of Malaya, Malaysia

NATIONAL ADVISORY COMMITTEE

Dr. U. Kamachi Mudali, VC, Homi Bhabha National Institute, Mumbai

Dr. B. Venkatraman, IGCAR, Kalpakam, Chennai

Prof. Avesh Kumar Tyagi, BARC, Mumbai

Prof. N. Munichandraiah, IISc, Bangalore

Prof. K. Hariharan, IIT Madras, Chennai

Prof. Ajit Kulkarni, IIT Bombay, Mumbai

Prof. K. Shahi, IIT Kanpur, Uttar Pradesh

Prof. Satpal Singh Sekhon, Guru Nanak Dev University, Punjab

Prof. Safir Ahmad Hashmi, Delhi University, Delhi

Prof. Bhaskar Bhattacharya, BHU, Uttar Pradesh

Prof. Pramod Kumar Singh, Sharda University, Uttar Pradesh

Prof. Amita Chandra, Delhi University, Delhi

Prof. Murugan Ramaswamy, Pondicherry University, Pondicherry

Dr. B. Nalini, Avinashilingam University, Coimbatore

Dr. Balaji P Mandal, BARC, Mumbai

Prof. Neelam Srivastava, BHU, Uttar Pradesh

Prof. S. Austin Suthanthiraraj, University of Madras, Chennai

Prof. S. Selladurai, Anna University, Chennai

Dr. Praveen Kumar Sappidi, IIT Jodhpur, Rajasthan

Dr. Sampat Raj Vadera, IIT Jodhpur, Rajasthan

Dr. Ambesh Dixit, IIT Jodhpur, Rajasthan

Dr. Prabeer Barpande, IISc, Bangalore

Dr. R. Kalai Selvan, Bharathiar University, Coimbatore

Dr. S. N. Tiwari, DDU Gorakhpur University, Uttar Pradesh

Prof. Raj Kishore Sharma, University of Delhi, Delhi

Dr. S. P. Pandey, Teerthanker Mahaveer University, Uttar Pradesh

Prof. R. M. Mehra, Sharda University, Uttar Pradesh

LOCAL ORGANIZING COMMITTEE

Convener: Dr. S. Selvasekarapandian, MRC, Coimbatore

Co- convener: Dr. K. S. Lakshmi, MCW, Chennai

Secretary: Dr. V. Meenakshisundaram, MCW

Treasurer: Dr. S.P. Radhika, MCW

Members: Dr. D.V. Gopinath, Ex Group Director, HSEG, BARC

Dr. L.V. Krishnan, Ex Group Director, IGCAR

Dr. B.S. Sandhu, President, ISRP

Dr. N. Manju, MCW

Ms. V. Vijayashri, MCW

Dr. R. Vani, MCW

Ms. E. Manjula, MCW

Ms. Suba Chandrasekar, MCW

Ms. Sindu Sabariraj, MCW

Dr. J. Punniyakotti, MCW

Ms. S. Mohana, MCW



Organized by

MATERIALS RESEARCH CENTER

Run by Subramanian-Thangathai Educational Trust,

Coimbatore - 641045, India

&

MEENAKSHI COLLEGE FOR WOMEN

Kodambakkam,

Chennai - 600024, India

For

ASIAN SOCIETY FOR SOLID STATE IONICS

For Further details visit <http://acssi2024.com/>

About Asian Society for Solid State Ionics (ASSSI)

Asian Conference on Solid State Ionics is a grand biannual event lasting for more than 30 years. It unites all the Scientists and Engineers all over Asia together to discuss the fundamentals and applications related to Solid State Ionics, to promote collaboration among various solid state ionicists not only from the region but also with others, outside the region. Formally the ACS SI has been held at various places across Asia – Singapore (1988, 2014), China (1990, 2000, 2010, 2018), India (1992, 1998, 2008, 2016), Malaysia (1994, 2002), Sri Lanka (1996, 2006), South Korea (2004) and Japan (2012, 2022). Now the 18th Asian Conference on Solid State Ionics is being held at **Chennai, India**. Solid State Ionics is an interdisciplinary branch of Science and Technology which deals with the synthesis, characterization and application of ion conducting materials. Many researches on solid state ionic materials and devices were carried out by the scientists in various part of the world. This conference covers the inorganic crystalline solids, ceramics, glasses, polymer gels, composites for cathode/anode materials and interfaces, electrically conducting polymers, ion dynamics and theoretical modeling, nano-materials and devices, advanced bio-materials and electrochemical devices such as batteries, fuel cells, sensors, solar cells, super capacitors, electro-chromic displays and molecular electronic devices. The goal of the conference is to provide an opportunity to the young aspiring researchers to interact with the leading scientists and gain knowledge.

About Materials Research Center (MRC), Coimbatore

Materials Research Center (MRC) was founded by Prof. Selvasekarapandian in June 2012. In June 2013, MRC was taken over by Subramanian - Thangathai Educational Trust, founded by Prof. Selvasekarapandian in the name of his parents and registered with Government of Tamil Nadu. The aim of the center is to motivate youngsters to develop devices for energy. Batteries are one of the energy devices which have gained importance in the development of Lithium-ion battery. The center involves itself in the development of electrolyte membrane for Lithium, Sodium, Magnesium, Zinc and Proton Battery and PEM Fuel cell. Different electrolyte membranes are developed using Synthetic polymer & Biopolymer. Recently, an attempt has been made to develop electrolyte membrane using Biomaterials such as leaves, flowers and seeds. Six patents have been filed for the development of electrolyte membranes using Biomaterial. The center has so far published more than 100 papers in leading International Journals with good Impact Factor. It has helped 28 College faculties and Research Scholars to complete their PhD on time. At present, 20 Research Scholars are being trained in making different types of batteries and PEM Fuel cell.

About Meenakshi College for Women (MCW), Chennai

Meenakshi College for Women (MCW) was established by Shri K. R. Sundararajan, a great professor of mathematics and renowned pioneer of higher education. The college which was started on 4th August, 1975 during the International Women's year, is a Government aided institution for women affiliated to University of Madras committed to shaping young girls into skilled, responsible, disciplined and socially conscious citizens so that they imbibe the cardinal virtues of Faith, Fidelity & Fortitude. The college is a well-recognized and vibrant institution working relentlessly for women's education. The college, with the strength of 3000 students, offers 27 courses in Arts, Science, and Commerce including post-graduate courses, M.Phil., courses in Physics, Mathematics, computer science, History, Economics and Tamil and PhD research in Tamil, Economics and History. In 1999, the college became one of the youngest colleges to be trusted with autonomy and the same has been extended by University Grants Commission based on continued creditable academic performance. The National Assessment and Accreditation Council (NAAC) has conferred A+ (A plus) Grade to the college at the first accreditation. As part of Physics Department, Meenakshi Sundararajan Research Centre is successfully functioning on a continual basis with adequate infrastructure facilities. Dedicated Resource Scientists along with faculty members undertakes many R&D related scientific activities. Like all other Departments, the Physics Department also collaborates with reputed institutions such as Department of Atomic Energy, UGC etc., to take up research Projects. So far, 25 technical papers were published in the field of Physics alone in peer reviewed journals, besides the execution of several M.Phil and PG projects.

Contact details

Dr. S. Selvasekarapandian

Chair person, ACS SI-2024

Mail-ID: acssi2024@gmail.com

sekarapandian@rediffmail.com

Contact Number: +91 - 9443703089

Dr. V. Meenakshisundaram

Secretary, ACS SI-2024

Mail-ID: acssi2024@gmail.com

haslvms1952@gmail.com

Contact Number: +91 - 9444654219

Theme : Materials for Green Energy Devices

Topics of the Conference:

- Advanced Energy Materials
- Cathode Materials for Batteries
- Anode Materials for Batteries
- Electrolyte Materials for Batteries
- Polymeric Materials
- Bio Materials and Bio Devices
- Composite and Hybrid Materials
- Eco-Friendly Materials
- Hydrogen and Fuel Cells
- Functional Materials
- Quantum Dots
- Nanomaterials
- Sensors / Biosensors
- Structural Materials
- Computational Materials
- Soft & Smart Materials
- Ionic Materials for Dye-sensitized Solar Cells
- Materials for Corrosion Protection
- Electroactive Material and
- Other relevant Ion conducting solids for energy applications

Important dates

Abstract Submission: **14th April – 30th October, 2023**

Acceptance of Abstract: **15th November, 2023**

Early Bird Registration: **16th November – 31st December, 2023**

Late Registration: **1st January, 2024 onwards**

Registration Fee Details

	Indian*		Foreign*	
	Early Reg.	Late Reg.	Early Reg.	Late Reg.
Students	Rs. 5000	Rs. 5500	125 USD	150 USD
Faculty	Rs. 7000	Rs. 7500	400 USD	450 USD
Industries	Rs. 10000			

*Note: Inclusive of 18% GST

Publication

Efforts have been taken to publish the presented papers in leading international journals. Details will be informed in due course of time.