

# INTERNATIONAL CONFERENCE ON SPECIAL FUNCTIONS, ANALYTIC FUNCTIONS, METRICS AND QUASICONFORMALITY ICSAMY 2024

*In honor of Prof. S. Ponnusamy*

Organized by

Department of Mathematics  
Indian Institute of Technology Indore, India

**FIRST ANNOUNCEMENT**



**DECEMBER 17-20, 2024**



## Patron

Professor Suhas S. Joshi  
Director, Indian Institute of Technology Indore

## Topics Include

- Analysis and geometry of metric spaces
- Quasiconformal and quasiregular mappings
- Several complex variables
- Special functions
- Univalent harmonic functions

## Aim of the conference

The main purpose of the conference is to foster international cooperation in the above areas to further the interaction among the researchers from India and abroad. The primary emphasis is to promote collaborative research network involving the participants, in particular early career mathematicians. Plenary and invited talks will be aimed at providing an exposure to graduate students and postdoctoral fellows about the latest trends in the topics of the conference. In particular, there will be sessions on open problems in the fertile areas of the above topics. The conference will also provide an opportunity to the early career researchers to showcase their work and obtain feedback from leading experts in the field.

## General Organizing Committee

- Swadesh Kumar Sahoo, IIT Indore (Convener)
- Nageswari Shanmugalingam, University of Cincinnati, USA
- Sanjeev Singh, IIT Indore (Co-convener)
- Alexander Solynin, Texas Tech University, USA
- Brock Williams, Texas Tech University, USA

## Venue

Department of Mathematics  
Indian Institute of Technology Indore  
Simrol, Khandwa Road  
Indore 452020, India

## Contact

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Conference Email ID: [icsamy@iiti.ac.in](mailto:icsamy@iiti.ac.in)



## About Indore

The city Indore has held the title of being India's cleanest city for seven consecutive years. Indore is a fascinating city with a blend of a rich cultural and historical heritage hosting a wide range of styles of the Maratha, Mughal, Holkar and British era. Chhatris, Laal Bag Palace, Kanch Mandir are cues of its architectural excellence. Situated on one of India's oldest pilgrimage routes from Mahakaal at Ujjain on river Kshipra, to Omkareshwar on the river Narmada and onwards to Rameshwaram, Indore is embellished by several forts and rocky shrines: Mandu, Dewas, Maheshwar, and Omkareshwar being the prominent ones. One of the most legendary rulers of Indian history, Devi Ahilyabai Holkar is the patron of many traditional architecture here. Apart from these, the rustic spirit of Chokhi Dhani and Nakhrali Dhani, heritage resorts on the outskirts of Indore filled with varied traditional Rajasthani delicacies adds a Rajasthani flavour to the city. Gujarati and Marathi cultures also have influenced life in Indore. Being situated in the heart of India, Indore has excellent air and rail connectivity with the metro cities, namely, Mumbai, Kolkata, Delhi, Hyderabad, and Bangalore. Places like Agra, Jaipur, Udaipur, Ajanta-Ellora caves are in its vicinity.

## About the Department

Since its inception in July 2009, the Department of Mathematics has evolved in several directions. The department presently offers BTech in Mathematics and Computing, MSc, and PhD in Mathematics. The department aims to focus on providing a comprehensive curriculum at undergraduate and postgraduate levels, relevant research and career opportunities in India and abroad. Presently, the department has eighteen faculty members. For more information, please visit the site: <https://math.iiti.ac.in>

## About the Institute

Indian Institute of Technology Indore located in Madhya Pradesh, known as IIT Indore or IITI, is an institute of national importance established by the Government of India in 2009. Since February 2016, IIT Indore has started functioning from its permanent campus. The Institute started functioning on its permanent campus, spread over an area of around 501.42-acres (2.1 square km), on 17th February 2009. It is at Simrol, located on Khandwa Road about 25 km from the city of Indore. The institute has established state-of-the-art infrastructure, including the computer centre, well-equipped labs, advanced instrumentation facilities, etc. IIT Indore has also been ranked 14 in the Engineering category by NIRF 2023. Moreover, it has been ranked 28 in the Overall category by NIRF 2023. The faculty members of the institute are well equipped to conduct high-quality research in both Science and Engineering and are also engaged in interdisciplinary research activities. Researchers interested in collaborative research are encouraged to contact the concerned faculty. The institute is actively engaged in organizing various research activities. The larger commitment of the institute is to socio-economic development, and is evident in its multi-dimensional approach to social problems and is engraved in its motto (knowledge for the well being of all), which makes this institution one of its kind and it stands out even within the distinguished IIT family. For more details, please visit: <https://iiti.ac.in>

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