

International Conference on Applied Harmonic Analysis & Data Science

(<https://ahads2026.in/>)

December 15-18, 2026

Department of Mathematics
Indian Institute of Technology Madras
Chennai, India



Prof.R.Radha

We welcome you to the International Conference on **Applied Harmonic Analysis and Data Science**, hosted by the Department of Mathematics at the Indian Institute of Technology Madras. This event brings together eminent mathematicians to share recent advances in harmonic analysis and modern data science, and to foster interaction and collaboration among researchers and students.

As part of the conference, a special session will be devoted to honoring Prof. R. Radha on the occasion of her 60th birthday, in recognition of her notable contributions to mathematics and in celebration of her inspiring personality.

Themes:

- Harmonic analysis
- Frames, wavelets and operator theory
- Sampling and reconstruction theory
- Approximation theory
- Mathematical foundations of deep learning
- Compressed sensing and sparse recovery
- Graph signal processing
- Time frequency and Gabor analysis
- Statistical learning and kernel methods

Scientific Advisory Committee:

Akram Aldroubi, Vanderbilt University, USA
Biswaranjan Behera, ISI Kolkata
Alex Iosevich, University of Rochester, USA
E.K. Narayanan, Indian Institute of Science, Bengaluru
Sergei Pereverzyev, Johann Radon Institute, Austria
S. Thangavelu, Indian Institute of Science, Bengaluru

Organising Committee:

A. Sathish Kumar (Convenor), IIT Madras
S. Sivananthan (Co-Convenor), IIT Delhi
Ayush Bhandari, Imperial College London, UK
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A. Antony Selvan, IIT Dhanbad
Niraj Kumar Shukla, IIT Indore
Bharath Sriperumbudur, Pennsylvania State University, USA
Jitendriya Swain, IIT Guwahati

Invited Speakers include:

1. **Akram Aldroubi**, Vanderbilt University, USA
2. **Davide Barbieri**, Universidad Autónoma de Madrid, Spain
3. **Biswaranjan Behera**, ISI Kolkata, India
4. **Ayush Bhandari**, Imperial College London, UK
5. **Alex Iosevich**, University of Rochester, USA
6. **Felix Krahmer**, Technical University of Darmstadt, Germany
7. **Franz Luef**, Norwegian University of Science and Technology, Norway
8. **E.K. Narayanan**, IISc Bangalore, India
9. **Rahul Parhi**, University of California San Diego, USA
10. **Sergei Pereverzyev**, Johann Radon Institute, Austria
11. **Niraj Kumar Shukla**, IIT Indore, India
12. **Bharath Sriperumbudur**, Pennsylvania State University, USA
13. **S. Thangavelu**, IISc Bangalore, India
14. **Sergey Tikhonov**, Centre de Recerca Matemàtica, Spain
15. **Dingxuan Zhou**, University of Sydney, Australia

For any queries write to: icahads2026@gmail.com. **Last date for receiving abstracts: September 15, 2026.** Selected participants for oral presentations will be informed on or before October 30, 2026.