

CALDAM 2019

5th Annual International Conference on
Algorithms and Discrete Applied Mathematics

[IIT Kharagpur](#), India
February 14-16, 2019

[Home](#) [Committees](#) [Invited Speakers](#) [Call for Papers](#) [Accepted Papers](#)
[Program](#) [Important Dates](#) [Registration](#) [Pre-Conference School](#) [Venue](#)
[About Kharagpur](#)

CALDAM

The International Conference on Algorithms and Discrete Applied Mathematics (CALDAM), held under aegis of the [Association for Computer Science and Discrete Mathematics \(ACSDM\)](#), is intended to bring together researchers working in the areas of algorithms and applied discrete mathematics and provide a high-quality forum for the dissemination and discussion of research results in these broad areas. CALDAM has originated from the ongoing efforts for promoting research in Algorithms and Discrete Mathematics.

The [first CALDAM](#) was organized by the Department of Computer Science at Indian Institute of Technology, Kanpur (IIT Kanpur) from February 8 to 10, 2015. The [second CALDAM](#) was organized by the Department of Futures Studies, University of Kerala, Thiruvananthapuram from February 18 to 20, 2016. The [third CALDAM](#) was organized by the Department of Mathematics, Birla Institute of Technology and Science, Pilani (BITS Pilani), K K Birla Goa Campus, Goa, India from February 16 to 18, 2017. The [fourth CALDAM](#) was organized by the Department of Computer Science Engineering, Indian Institute of Technology, Guwahati (IIT Guwahati) from February 15 to 17, 2018.

The proceedings of accepted papers ([CALDAM 2015](#), [CALDAM 2016](#), [CALDAM 2017](#), [CALDAM 2018](#)) were published in the Lecture Notes in Computer Science by Springer. Also, selected papers are being published as a special issue of [Discrete Applied Mathematics \(DAM\)](#).

CALDAM 2019

The fifth CALDAM (CALDAM 2019) will be organized by the Department of Computer Science & Engineering, IIT Kharagpur from 14th to 16th of February 2019. As in earlier CALDAMs, the proceedings of accepted papers of CALDAM 2019 will be published in the Lecture Notes in Computer Science by Springer. Also, it is planned to publish the selected papers of CALDAM 2019 as a special issue of [Discrete Applied Mathematics \(DAM\)](#), as in previous CALDAMs.



The conference focuses on topics related to efficient algorithms and data structures, their analysis (both theoretical and experimental), the mathematical problems arising thereof, new applications of discrete mathematics, advances in existing applications, and the development of new tools for discrete mathematics.

A set of topics within the scope of CALDAM includes (but is not limited to):

CALDAM Topics

- Approximation Algorithms
- Combinatorial Algorithms
- Combinatorial Optimization
- Computational Biology
- Computational Complexity
- Computational Geometry
- Data Structures
- Experimental Algorithm Methodologies
- Graph Algorithms
- Graph Drawing
- Parallel and Distributed Algorithms
- Parameterized Complexity
- Network Optimization
- Online Algorithms
- Randomized Algorithms
- Graph Theory
- Combinatorics
- Discrete Geometry

SPONSORS



CALDAM 2019

5th Annual International Conference on Algorithms and Discrete Applied Mathematics

[IIT Kharagpur](#), India
February 14-16, 2019

[Home](#) [Committees](#) [Invited Speakers](#) [Call for Papers](#) [Accepted Papers](#)
[Program](#) [Important Dates](#) [Registration](#) [Pre-Conference School](#) [Venue](#)
[About Kharagpur](#)

STEERING COMMITTEE

- [Subir Kumar Ghosh](#) (Chair), Ramakrishna Mission Vivekananda Educational and Research Institute, India
- [János Pach](#), École Polytechnique Fédérale De Lausanne (EPFL), Lausanne, Switzerland
- [Nicola Santoro](#), School of Computer Science, Carleton University, Canada
- [Swami Sarvattomananda](#), Ramakrishna Mission Vivekananda Educational and Research Institute, India
- [Peter Widmayer](#), Institute of Theoretical Computer Science, ETH Zürich, Switzerland.
- [Chee Yap](#), Courant Institute of Mathematical Sciences, New York University, USA.

PROGRAM COMMITTEE

- [Amitabha Bagchi](#), IIT Delhi, India
- [Niranjan Balachandran](#), IIT Mumbai, India
- [Partha P Bhowmick](#), IIT Kharagpur, India
- [Boštjan Brešar](#), University of Maribor, Slovenia
- [Manoj Changat](#), University of Kerala, India
- [Sandip Das](#), ISI Kolkata, India
- [Ajit A Diwan](#), IIT Mumbai, India
- [Zachary Frigstaad](#), University of Alberta, Canada
- [Daya Gaur](#), University of Lethbridge, Canada
- [Partha P. Goswami](#), University of Calcutta, India
- [Sathish Govindarajan](#), IISc Bangalore, India
- [Petr Hlineny](#), Masaryk University, Brno, Czech Republic
- [Subrahmanyam Kalyanasundaram](#), IIT Hyderabad, India
- [Gyula O. H. Katona](#), Alfred Renyi Institute of Mathematics, Hungary
- [Ramesh Krishnamurti](#), Simon Fraser University, Canada
- [Van Bang Le](#), Universität Rostock, Institut für Informatik, Germany
- [Anil Maheshwari](#), Carleton University, Canada
- [Kazuhisa Makino](#), Kyoto University, Japan
- [Bodo Manthey](#), University of Twente, Netherlands
- [Shashank Mehta](#), IIT Kanpur, India
- [Bojan Mohar](#), Simon Fraser University, Canada
- [Apurva Mudgal](#), IIT Ropar, India

- [Andrzej Lingas](#), Lund University, Sweden
- [N S Narayanaswamy](#), IIT Madras, India
- [Sudebkumar Pal](#) (PC Co-Chair), IIT Kharagpur, India
- [Bhawani S. Panda](#) IIT Delhi, India
- [Michiel Smid](#), Carleton University, Canada
- [Joachim Spoerhase](#), University of Würzburg, Germany
- [C R Subramanian](#), IMSc Chennai, India
- [Ambat Vijayakumar](#)(PC Co-Chair), Cochin University of Science and Technology, India

ORGANIZING COMMITTEE (IIT Kharagpur, India)

- [Palash Dey](#), IIT Kharagpur, India
- [Swami Dhyaganamyanda](#), Ramakrishna Mission Vivekananda Educational and Research Institute, India
- [Pritee Khanna](#), PDPM Indian Institute of Information Technology, Design and Manufacturing Jabalpur, India.
- [Sasanka Roy](#), ISI Kolkata, India
- [Rogers Mathew](#) (Chair), IIT Kharagpur, India
- [Arti Pandey](#), IIT Ropar, India
- [Tathagata Ray](#), BITS-Pilani, Hyderabad Campus, India
- [Rishi Ranjan Singh](#), IIT Bhilai, India
- [Dinabandhu Pradhan](#), IIT (ISM) Dhanbad, India