

# 13th International Conference and Workshops on Algorithms and Computation (WALCOM 2019)

The 13th International Conference and Workshop on Algorithms and Computation (WALCOM) is intended to provide an international forum for researchers working in the areas of algorithms and computation. WALCOM 2019 will be held during February 27-March 02, 2019 at Indian Institute of Technology Guwahati (IIT Guwahati), India. It is being organized in cooperation with IEICE Technical Committee on Theoretical Foundations of Computing (COMP) and the Special Interest Group for ALgorithms (SIGAL) of the Information Processing Society of Japan (IPSJ).

**SCOPE:** The range of topics within the scope of WALCOM includes but is not limited to):

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

**Call for  
Papers**

**PAPER SUBMISSION:** Authors are invited to submit papers describing original research of theoretical or practical significance to algorithms and computation. Papers should not exceed 12 pages in LNCS style. Papers significantly shorter than 12 pages are also welcome. If the authors feel that more details are essential to substantiate the main claim of the paper, they may include a clearly marked appendix that will be read at the discretion of the Program Committee. Only electronic submissions will be allowed. Visit our HP <http://www.iitg.ac.in/walcom2019/cfp.php>. Submitted papers must describe work not previously published. They must not be submitted simultaneously to another conference with refereed proceedings or to a journal.

**PROCEEDINGS:** Like the previous years, the proceedings of WALCOM 2019 will be published by Springer in Lecture Notes in Computer Science (LNCS).

**VENUE:** IIT Guwahati, the sixth member of the IIT fraternity, was established in 1994. At present the Institute has eleven departments and five inter-disciplinary academic centres covering all the major engineering, science and humanities disciplines. IIT Guwahati's campus is located on the north bank of the river Brahmaputra, around 23 kms from the Guwahati Airport (GAU) (also known as Lokpriya Gopinath Bordoloi International Airport) which is well connected with other international airports like Kolkata, Delhi, Mumbai, Bangalore, Chennai, Hyderabad, etc. With the majestic Brahmaputra on one side, and with hills and vast open spaces on others, the campus provides an ideal setting for learning.

## Important Dates:

**Paper submission deadline:** September 15, 2018 (Anywhere on Earth)

**Notification of Acceptance/Rejection:** October 25, 2018

**Conference Dates:** February 27-March 02, 2019

## Program Chairs:

**Krishnendu Mukhopadhyaya**, Indian Statistical Institute

**Shinichi Nakano**, Gunma University, Japan

## Invited Speakers:

**Mark de Berg**, TU Eindhoven, Netherlands

**David Peleg**, Weizmann Institute of Science, Israel

**Saket Saurabh**, Institute of Mathematical Sciences, India

## Organizing Chairs:

**Gautam Kumar Das**, IIT Guwahati, India

**Partha Sarathi Mandal**, IIT Guwahati, India

## Journal Special Issues:

Special issues dedicated to WALCOM 2019 will be published at the **Journal of Graph Algorithms and Applications** and **Theoretical Computer Science**, Elsevier.

## Awards:

Two awards, namely, “**The Best Paper**” and “**The Best Student Paper**” will be awarded. A paper is eligible for the Best Student Paper if the paper is presented by an author, who is a full-time student.

## Contact:

**Gautam Kumar Das**, Phone +91-361-2582626

**Partha Sarathi Mandal**, Phone:+91-361-2582624

Department of Mathematics, IIT Guwahati,  
Guwahati - 781039, Assam, India.