A report
on
Conference on Algorithms and Discrete Applied Mathematics (CALDAM-2017)
February 16-18, 2017
(*Sponsored by Google, Microsoft Research and LNCS Springer*)

The 3rd International Conference on Algorithms and Discrete Applied Mathematics (CALDAM) was 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 (CALDAM-2015) 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 (CALDAM 2016) was organized by the Department of Futures Studies, University of Kerala, Thiruvananthapuram from February 18 to 20, 2016. The third CALDAM (CALDAM 2017) was organized by the Department of Mathematics, BITS Pilani K.K. Birla Goa Campus from February 16 to 18, 2017.

A set of topics within the scope of CALDAM included; 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, Algebraic Combinatorics, Design Theory, Enumeration, Extremal Combinatorics, Graph Theory, Topological and Analytical Techniques in Combinatorics, Probabilistic Combinatorics, Combinatorial Number Theory, Discrete Geometry, Ramsey Theory

The following Google Sponsored invited speakers:

- Prof. Sumit Ganguly, Indian Institute of Technology Kanpur, Kanpur, India.
- Prof. Guenter Rote, Freie Universitaet, Berlin, Germany.

The following Microsoft Research Sponsored invited speakers:

- Prof. Martin C. Golumbic, University of Haifa, Haifa, Israel.
- Prof. Ola Svensson, EPFL, Lausanne, Switzerland.

The composition of Steering Committee is as follows:

- Subir Kumar Ghosh (Chair), Ramakrishna Mission Vivekananda University, 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 University, India.
- Peter Widmayer, Institute of Theoretical Computer Science, ETH Zürich, Switzerland.
- Chee Yap Courant Institute of Mathematical Sciences, New York University, US.

The proceedings of accepted papers of CALDAM 2017 were published in the Lecture Notes in Computer Science by Springer. Also, selected papers of CALDAM 2017 were published as a special issue of Discrete Applied Mathematics (DAM).

Following three research Scholars were conferred with LNCS Springer best paper presentation awards:

1. I. Vinod Reddy, IIT Gandhinagar, India.
2. Lars Rohwedder, University of Kiel, Germany.
3. Sai Sandeep, IIT Bombay.

Prof. Satish Govinda rajan (IISc. Bangalore), Prof. N. S. Narayanswamy (IIT Madras) and Prof. Patha Pratim Goswami (University of Calcutta) were the committee members for LNCS Springer best paper presentation award.

Around 65 delegates from India and other countries like, Germany, Canada, USA, Switzerland etc. participated in the conference. Prof. Tarkeshwar Singh was the Conference Chair of CALDAM 2017, Prof. Daya Gaur, University of Lethbridge, Canada and Prof. N. S. Narayanswamy, IIT Madras were PC Co-chairs, Prof. Prasanna Kumar N, Dr. Anil Kumar, Dr. P. Dhanumjaya and research scholars; Santosh Bhal, Adarsh Handa, Aloysius Godonho, Ashish Kumar, Ravi Shankar, Parth Shah, Pabitra Kumar P, and others assisted the conference Chair on logistic part of it.