



ICAA 2014 First Call For Papers

**International Conference on Applied Algorithms**  
**ICAA 2014**, **Kolkata**, India, Jan 13--15, 2014

Organized by

Department of Computer Sc. & Engg. and Department of IT

**Heritage Institute of Technology**

Sponsored By: **TEQIP-II**

URL: <http://sites.google.com/site/icaa2014> Email: [icaa2014@gmail.com](mailto:icaa2014@gmail.com)

**Keynote Talks**

<a href="#"><u>Susanne Albers</u></a> Humboldt-Universitat zu Berlin, Germany	<a href="#"><u>Bhargab B. Bhattacharya</u></a> Indian Statistical Institute, Kolkata, India
<a href="#"><u>Dimitrios Gunopulos</u></a> , University of Athens, Greece	<a href="#"><u>Rina Panigrahy</u></a> , Microsoft Research, Mountain View, USA
<a href="#"><u>Assaf Schuster</u></a> , Technion, Israel Inst. Of Tech., Haifa, Israel	<a href="#"><u>Christos Zaroliagis</u></a> , University of Patras, Greece

**Call For Papers**

The conference seeks original contributions related to design, analysis, implementation, and experimental evaluation of efficient algorithms and data structures for problems with relevant real-world applications, ideally bridging the gap between academia and industry. Submissions should present significant algorithmic contributions supported by analysis and/or experimental evaluation clearly highlighting the motivating application. Papers on industrial applications with strong algorithmic content are welcome.

**Submission Instructions**

Authors are invited to submit papers on original research on Applied Algorithms. Simultaneous submission to a journal or another conference with refereed proceedings is not allowed. The proceedings of the conference will be published as a volume of the Springer Verlag LNCS series. Papers must be prepared using LaTeX/LaTeX2e and should not exceed 12 pages in LNCS style. The LNCS style file must be used without altering margins and font size. Submission information will be provided on the conference website shortly.

**Important Dates**

- Paper Deadline: 07 August 2013
- Camera Ready Papers Due: 07 October 2013
- Notification of Acceptance: 25 September 2013
- Conference Starts: 13 January 2014

**TOPICS OF INTEREST**

We solicit contributions covering various areas *including but not limited to*:

<ul style="list-style-type: none"> <li>• Algorithmic Microfluidics</li> <li>• Analysis of Algorithms</li> <li>• Big Data Algorithms</li> <li>• Computational Advertising</li> <li>• Computational Geometry</li> <li>• Computational Transportation Science</li> <li>• Databases</li> <li>• Data Structures</li> <li>• Energy Efficient Algorithms</li> </ul>	<ul style="list-style-type: none"> <li>• Algorithms for VLSI CAD</li> <li>• Approximation Algorithms</li> <li>• Cloud Computing</li> <li>• Computational Biology</li> <li>• Computational Services Science</li> <li>• Cryptography and Security</li> <li>• Data Mining</li> <li>• Distributed Algorithms</li> <li>• External Memory Algorithms</li> </ul>
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<ul style="list-style-type: none"><li>• Graph Algorithms</li><li>• Hardware Accelerated Algorithms</li><li>• Image Processing</li><li>• Location Based Services</li><li>• Parallel Algorithms</li><li>• Randomized Algorithms</li><li>• Robotics</li><li>• Social Network Analysis</li></ul>	<ul style="list-style-type: none"><li>• Graph Drawing</li><li>• Heuristic Search</li><li>• Information Retrieval</li><li>• Machine Learning</li><li>• Railway Optimization</li><li>• Recommender Systems</li><li>• Spatial Informatics</li><li>• Web Intelligence and Mining</li></ul>
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