Call for Papers

ISUM2015: 6th International Supercomputing Conference in Mexico

http://www.isum.mx

9-13 March 2015, Mexico City, Mexico

Dear Colleagues,

The organizing committee of the 6th International Conference on Supercomputing in Mexico (ISUM 2015) invites the scientific, academic, engineering, industrial, and business communities as well as graduate students to submit the results of research in topics related to Supercomputing for the ISUM 2015 Conference.
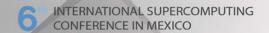
Important Dates

Paper submission deadline: **10 January, 2015.**
Notification of acceptance: **30 January, 2015.**

Aims & Scope

Building on the success of the previous five editions of the ISUM Conference, the 2015 edition will take place in Mexico City where the mayor Research Centers, Universities, Industry and Business of the country are found. The main goal of ISUM is to provide a forum fostering the growth of the HPC community in Mexico through the exchange and dissemination of new ideas, techniques, and research in HPC. The conference will feature plenary speakers and invited speakers of national and international renown from universities and industry, short and full paper sessions presenting both mature work and new ideas in research and industrial applications. Suggested topics of interest include, but are not limited to:

- Use of High Performance Computing Systems to solve Complex Problems in Academic and Scientific Research fields.
- Applications for Science and Engineering, Scientific Visualization, Simulation and Modeling.
- Parallel Processing, Algorithms and Techniques, GPU, Xeon Phi and other accelerators.
- Cluster, Grid, and Cloud Computing.
- Tools and Environments for High Performance System Engineering, Software Tools, Programming Tools, Virtualization.
- Architectures, Component Technologies, Infrastructure.
- Emerging and New Technologies for HPC, Big Data, Advance Networking, Petascale / Exascale Technologies.
- High Performance Technical and Business Computing (HPTC/HPBC).
- Energy, Cooling / Green Computing.
- Resource Provisioning and Optimization.
- HPC in Health, Education and Government.
- Innovation and development of HPC technologies in Mexico.

An evaluation committee of experts will referee all articles submitted. The committee will dictate the originality, relevance and consistency of the work with respect to the scope of ISUM and special emphasis will be given to how supercomputing is used or related in the paper submitted. Authors submitting work must be registered to the Conference and present their work as a paper or poster.

Instructions for Authors

Authors are invited to submit contributed papers and posters written in **english**, according to the Springer LNCS style.
Latex Templates: llncs2e.zip & typeinst.zip.
Word Templates: llncs_word_template.zip.

Contributed papers must have between 4 to 15 pages.

Submissions will be handled electronically using the Easy Chair system: https://easychair.org/conferences/?conf=isum2015

Authors must include in their ABSTRACT a clear statement of how supercomputing is used or related to their work. The authors of accepted talks and posters must guarantee that their contribution will be presented at the conference. All accepted contributions will be published electronically in the "Book of Abstracts".

Proceedings

All accepted full papers will be invited to appear in the ISUM2015 proceedings. The proceedings will be published by an international editorial company, which will be announced in future communications. All submissions must not have been previously published or submitted elsewhere. All submissions will be carefully refereed by at least two experts.

Organized by: ABACUS-CINVESTAV, CONACYT, CUDI, ININ, IPN, UAM, UNAM, LNS-SURESTE, CICESE, LANGEBIO-CINVESTAV, CIMAT, UAEMEX, UAEM, CNS-IPICYT, UCOL, UDG, UNISON, UV.

Conference Chair:
Dr. Isidoro Gitler
igitler@math.cinvestav.edu.mx