CALL FOR TECHNICAL PAPERS

CASCON 2015
25th Annual International Conference on Computer Science and Software Engineering

Hilton Suites Toronto/Markham Conference Centre, Markham, Ontario, Canada
November 2–4, 2015
https://www-927.ibm.com/ibm/cas/cascon/2015.jsp

Sponsored by
CAS Research, IBM Canada Laboratory

CASCON is a premiere industrial academic conference in computer science and software engineering hosted by the CAS Research, IBM Canada Laboratory. It continues to be an innovative forum for researchers, innovators, technologies and developers from academia, industry, and government to share knowledge, form collaborations, present original work and experience first-hand the latest technology trends. CASCON program will include keynote presentations, technical papers, workshops, a technology showcase, and position papers.

CASCON 2015 is the 25th annual international conference. The conference theme for this year is “Redefining the New Enterprise”

We sincerely invite you to make your contribution in the technical papers track that will feature both original research papers and experience reports in the general area of software technology and applications as well as research topics and technology areas related to this year’s conference theme (see below). Schedule and important dates for technical paper is outlined as below:

**Technical Papers**

**Important Dates**
June 12, 2015: Abstracts for technical papers
June 19, 2015: Submissions of technical papers
July 24, 2015: Technical papers notification
Aug. 21, 2015: Camera-ready technical papers

**Research Topics**
CASCON 2015 invites authors to submit original papers addressing these challenges and others in the broad area of software systems and technologies, including but not limited to the following topics:

* Integrated Solution Areas and Applications: online Commerce, smarter city solutions, industrial applications, healthcare solutions, media services

* Smarter Systems and Services: smart interactions, context-awareness, personal
agents, end-user programming, web tasking, mash-ups, web interaction frameworks, semantic web, ontologies

*Internet of Things*: wearable computing, anticipatory computing, quantified self, gamification, personal analytics, smart devices, integration and connectivity, machine-to-machine platforms, embedded sensors, monitoring and control, security

*Software as a Service*: systematic business and computing models, large-scale system integration, economic and societal issues, legal and privacy concerns, API management

*Mobile and Ubiquitous Computing*: mobile application frameworks and platforms, mobile web, write once run anywhere, mobile application security, mobile application management, Location-Based Services, GPS, Micro-Location technology

*Social Computing*: collaboration environments, social analytics, interaction patterns, human-computer interaction

*Cloud Computing and Infrastructure*: cloud platforms and frameworks, self-managed systems, adaptive systems, virtualization, hybrid cloud, cloud security, cloud performance, scalability

*Big Data and Databases of the Future*: big data, data integration, data warehouses, integrated data management, database technology, text data, stream data, XML, linked data, query processing and optimization

*Business Intelligence and Analytics*: predictive analytics, text analytics, risk analytics, intelligent search, data mining, knowledge discovery, information visualization, OLAP, analytics performance

*Software Processes and Tools*: agile methods, collaboration and awareness, open source, compilers and interpreters, scripting languages, development environments, service-oriented programming, distributed systems, ultra-large scale software systems

*Software Analysis and Modeling*: software analysis, mining software repositories, program comprehension, software testing, model checking, metrics

*Dynamic Business Processes*: business process modeling, service-oriented architecture, REST services

*Energy Aware Computing*: energy-aware platform architecture, energy-aware development tools, energy-aware resource management

*Next Generation Systems*: multi-core systems, stream processing systems, graphical processing systems, FPGA

*Software Security*: Cyber-security in connection, encryption, authentication and authorization
*Cognitive Computing: WATSON DeepQA, Inferencing technologies, Natural Language Processing

*Industrial Research: eCommerce, eHealthcare, eFinance

Best Paper Awards
Two paper awards—for Best Paper and Best Student Paper—will be given to recognize the best technical contributions of the event in terms of originality, clarity, and potential impact. To be eligible for the "Best Student Paper" award, a student must have primarily authored the paper, and student(s) at the time must have done the work described; only the student author(s) receive this award.

Submission Instructions
To submit a technical paper, follow these instructions.
1. Create an EasyChair account by visiting http://www.easychair.org/ if you do not already have one.
2. Visit https://www.easychair.org/conferences/?conf=cascon15 to log in to the CASCON 2015 submission system on EasyChair.
3. After logging in, click "New Submission" to enter a submission for your paper.

Technical papers should be at most 10 pages long, ACM Proceedings format, http://www.acm.org/sigs/publications/proceedings-templates. CASCON 2015 will not accept submissions that have been previously published, are in press, or have been submitted elsewhere. Accepted technical papers will be included in the conference proceedings published by CASCON and included in the ACM Digital Library. If you have any questions, please contact: cascon15@easychair.org.

Please also consider making contributions to other programs of CASCON, namely:

- **The workshops**: to provide sessions to discuss emerging ideas and results in research and practice.
- **The technology showcase**: to feature demonstrations and poster presentations of research in progress.
- **Position papers**: to share visions, highlight technology gaps, and outline emerging advances related to the conference theme.

Dr. Hanan Lutfiyya, Western University, Canada
Dr. Marin Litoiu, York University, Canada

CASCON 2015 Program Chairs