CONCUR 2016

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The 27th International Conference on Concurrency Theory (CONCUR2016)

The 27th International Conference on Concurrency Theory will take place in Quebec City, Canada, 23-26 August 2016. The event will be co-located with the 13th QEST International Conference on Quantitative Evaluation of SysTems (QEST) and the 14th International Conference on Formal Modeling and Analysis of Timed Systems (FORMATS).

The purpose of the CONCUR conferences is to bring together researchers, developers and students in order to contribute to the development and dissemination of the theory of concurrency and its applications. Twenty six years after the first meeting in 1990, it is still the reference annual event for researchers in this field.

Hosted by Universite Laval, this year’s edition will be presented from Hotel Chateau Laurier, a step beside the Capital's Old City.

**Description**

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The purpose of the CONCUR conferences is to bring together researchers, developers and students in order to contribute to the development and dissemination of the theory of concurrency and its applications. Twenty five years after our first meeting in 1990, it is still the reference annual event for researchers in this field.

The host this year will be Universite Laval. The event will be held near Quebec's Old City, at the Hotel Chateau Laurier.

**The main topics for this event are (but are not strictly limited to):**

- Basic models of concurrency: abstract machines, domain theoretic models, game theoretic models, categorical models, process algebras, graph transformation systems, coalgebraic models, and Petri nets;
- Logics for concurrency: modal logics, probabilistic and stochastic logics, temporal
logics, and resource logics;
- Models of specialized systems: biology-inspired systems, circuits, hybrid systems, mobile and collaborative systems, multi-core processors, probabilistic systems, real-time systems, service oriented computing, synchronous systems, and cloud computing;
- Verification and analysis techniques for concurrent systems: abstract interpretation, atomicity checking, model checking, race detection, pre-order and equivalence checking, run-time verification, state-space exploration, static analysis, testing, theorem proving, and type systems;
- Related programming models: distributed, component based, object-oriented, and web services;
- Security issues in concurrent systems.

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- Radha Jagadeesan

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Location: Québec City, Canada
URL: http://www.concur2016.ulaval.ca/

Sync this event to your calendar