CONCUR 2017

Submitted by Anonymous on Fri, 04/14/2017 - 3:27pm

Sep 05, 2017 7:00 am - Sep 08, 2017 6:00 pm CEST

28th International Conference on Concurrency Theory (CONCUR 2017)

September 5-8, 2017 | Berlin, Germany | https://www.concur2017.tu-berlin.de/

The purpose of the CONCUR conferences is to bring together researchers, developers, and students in order to advance the theory of concurrency, and promote its applications.

TUTORIALS

- Alastair Donaldson (Imperial College London, UK)
- Pawel Sobocinski (University of Southampton, UK)
- Viktor Vafeiadis (Max Planck Institute for Software Systems, Germany)

INVITED SPEAKERS

- Hongseok Yang (University of Oxford, UK)
- Azahdeh Farzan (University of Toronto, Canada)
- Madan Musuvathi (Microsoft Research, USA)
- Jean-Francois Raskin (Universite libre de Bruxelles, Belgium)

CO-LOCATED EVENTS

- 14th International Conference on Quantitative Evaluation of SysTemss (QEST 2017)
- 14th European Performance Engineering Workshop (EPEW 20170

WORKSHOPS

- EXPRESS/SOS
- MeMo
- RADICAL
- TRENDS
- YR-CONCUR

TOPICS
Submissions are solicited in semantics, logics, verification and analysis of concurrent systems. The principal topics include (but are not limited to):

- Basic models of concurrency such as abstract machines, domain-theoretic models, game-theoretic models, process algebras, graph transformation systems, Petri nets, hybrid systems, mobile and collaborative systems, probabilistic systems, real-time systems, biology-inspired systems, and synchronous systems;
- Logics for concurrency such as modal logics, probabilistic and stochastic logics, temporal logics, and resource logics;
- Verification and analysis techniques for concurrent systems such as abstract interpretation, atomicity checking, model checking, race detection, pre-order and equivalence checking, run-time verification, state-space exploration, static analysis, synthesis, testing, theorem proving, type systems, and security analysis;
- Distributed algorithms and data structures: design, analysis, complexity, correctness, fault tolerance, reliability, availability, consistency, self-organization, self-stabilization, protocols.
- Theoretical foundations of architectures, execution environments, and software development for concurrent systems such as geo-replicated systems, communication networks, multiprocessor and multi-core architectures, shared and transactional memory, resource management and awareness, compilers and tools for concurrent programming, programming models such as component-based, object- and service-oriented.

**PROGRAM CHAIRS**

- Roland Meyer (Technische Universitat Braunschweig, Germany)
- Uwe Nestmann (Technische Universitat Berlin, Germany)

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[Event Details]

Location: Berlin, Germany
URL: https://www.concur2017.tu-berlin.de/

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