

# CONCUR 2015

## 26th International Conference on Concurrency Theory 1 - 4 September, 2015. Madrid, Spain

The 26th Conference on Concurrency Theory will take place in Madrid, from 1st to 4th September, 2015. It will be co-located with the 12th QEST, the 13th FORMATS, the 10th TGC, the WS-FM/BEAT, and a collection of Workshops, thus producing our "Madrid meet 2015" meeting.

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 the "Universidad Complutense de Madrid", close to the historical and (new) business center of Madrid, the capital of Spain.

### Topics

Submissions are solicited in semantics, logics, verification and analysis of concurrent systems.

The main topics 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.

### Submission and Publication

CONCUR solicits high quality papers reporting research results and/or experience reports. All papers must be original, unpublished and not (simultaneously) submitted for publication elsewhere. A singular case concerns the associated conference TGC: when submitting to CONCUR you will be asked to indicate if you would like that the paper will also be considered for TGC in the case it could not be accepted in CONCUR.

For the first time this year CONCUR will have an open publication of its proceedings, initiating a new collection in LIPIcs (Leibniz International Proceedings in Informatics), published under an open access license by Dagstuhl Publishing. As usual, the Proceedings will be (e-)available (now to everybody!) before the conference.

The best papers accepted to CONCUR 2015 will be invited to submit a full/extended version to a premium special issue in the Springer journal Acta Informatica. Premium special issues are a new offer by Springer for a small selection of top conferences. It means unrestricted open access, without any fee at all neither for the authors, nor for the Editors of each volume.

### Co-located Events

- 12th International Conference on Quantitative Evaluation of SysTems (QEST 2015)
- 13th International Conference on Formal Modeling and Analysis of Timed Systems (FORMATS 2015)
- 10th International Symposium on Trustworthy Global Computing (TGC 2015)
- International Symposium on Web Services, Formal Methods and Behavioural Types (WS-FM/BEAT 2015)

### Committees

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#### Workshop Chair

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Vasco Vasconcelos  
Mahesh Viswanathan  
Walter Vogler  
Nobuko Yoshida  
Lijun Zhang

### Keynote Speakers

Alexandra Silva, Radboud University, The Netherlands  
Mohammad Reza Mousavi, Halmstad University, Sweden  
James Worrell, University of Oxford, UK  
Gianluigi Zavattaro, Università di Bologna, Italy

### 25th Anniversary Speech

Matthew Hennessy, Trinity College Dublin, Ireland

### Important Dates

Submission of Abstracts: April 13th, 2015  
Submission of Papers: April 20th, 2015 (firm)  
Notification: June 15th, 2015  
Final version: July 3rd, 2015

### Contact Us

Email: [concur2015@ucm.es](mailto:concur2015@ucm.es)

### Organisers



### Publisher

