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**FROM 2017**

<http://unibuc.ro/~conference/from2017>

## **WORKING FORMAL METHODS SYMPOSIUM**

**5 - 8 July 2017**

**Faculty of Mathematics and Computer Science  
University of Bucharest**

**Deadline for abstract submissions: 21 May 2017**

### **Aims and Scope**

Formal methods use mathematical techniques and rigour for developing software and hardware. The formal methods can be used to specify, verify, and analyse in any part of the system life cycle: requirements engineering, modeling, design, architecture, implementation, testing, maintenance and evolution. This assumes on the one hand the development of adequate mathematical methods and frameworks and on the other hand the development of tools that help the user to effectively apply these methods/frameworks in the life cycle of the system.

ICUB (The Research Institute of the University of Bucharest), the Faculty of Mathematics and Computer Science of the University of Bucharest and the Faculty of Computer Science of the “Alexandru Ioan Cuza” University of Iași organize FROM 2017, the first one from a yearly workshop series, meant to bring together Romanian researchers in formal methods and to foster international collaborations.

Working Formal Methods Symposium (FROM) aims to bring together researchers and practitioners who

- work for formal methods by contributing with new theoretical results, methods, techniques, and frameworks, and/or
- make the formal methods to work by creating or using software tools that apply theoretical contributions.

PhD Students are highly encouraged to participate and support for accommodation is available upon request.

The program of the symposium will include invited lectures (the current list can be seen on the workshop web page) and regular contributions. Submissions on the general topic of theoretical computer science, formal methods and applications are solicited.

Areas and formalisms of interest include:

- *Category theory in computer science*
- *Distributed systems and concurrency*
- *Formal languages and automata theory*
- *Formal modelling, verification and testing*
- *Logic in computer science*
- *Mathematical structures in computer science*
- *Models of computation*
- *Semantics of programming languages*

Methods of interest include:

- *Model checking*
- *Deductive verification*
- *Automated reasoning and model generation*
- *Automated induction*
- *Symbolic computation*

Applications of interest include:

- *Program analysis*
- *Verification and synthesis of software and hardware,*
- *Computational logic,*
- *Computer mathematics,*
- *Knowledge representation, ontology reasoning, deductive databases,*
- *Uncertainty reasoning and soft computing*

## **Submissions**

Regular contributions will be based on an extended abstract of 2 pages, excepting the references, formatted according to the guidelines for Springer LNCS:

<http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>

The abstracts should be submitted before 21 May 2017, via EasyChair:

<https://easychair.org/conferences/?conf=from2017>

The notification of acceptance will be received by 31 May 2017.

We invite submissions of abstracts that describe either original research, or work in progress, or recently published results on any topic related to formal methods. Depending on the number and the quality of submissions, we intend to publish extensions of selected presentations in peer-reviewed well-ranked journal.

## **Registration**

There is no conference fee, but valid registration is required in order to participate at the conference. All participants registered with an abstract will receive the conference kit. There is an additional fee of 50 RON for the social dinner at Casa Universitarilor.

**For details and updates see <http://unibuc.ro/~conference/from2017/>**

Please email all inquiries to **from2017@icub.unibuc.ro**

## **CONFERENCE ORGANIZERS**

### **Program Committee:**

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