



## About the conference

The 15th European Conference on Modelling Foundations and Applications (ECMFA) is dedicated to advancing the state of knowledge and fostering the application of Model-Based Engineering (MBE) and related approaches. Its focus is on engaging the key figures of research and industry in a dialog which will result in stronger and more effective practical application of MBE, hence producing more reliable software based on state-of-the-art research results.

## Call for Papers

**Abstract submission:** March 8th, 2019  
**Paper submission:** March 15th, 2019

**Notification:** April 19th, 2019  
**Camera ready:** May 10th, 2019

### Research Papers track

We solicit papers presenting original research on all aspects of MBE, which includes the following topics:

- Foundations of (Meta)modelling
- DSMLs and Language Workbenches
- Model Reasoning, Testing, and Validation
- Model Transformation, Code Generation and Reverse Engineering
- Model Execution and Simulation
- Model Management: (Co-)Evolution, Consistency, Synchronization, Differencing, and Versioning
- MBE Environments and Tool Chains
- Foundations of Requirements Modelling, Architecture Modelling, Platform Modelling
- Foundations of Quality Aspects and Modelling non-functional System Properties
- Scalability of MBE techniques
- Collaborative Modeling

### Application Papers track

We solicit papers representing viewpoints, innovations, and practical experiences in employing MBE, including:

- MBE for Critical Systems (Safety, Mission, ..)
- MBE for Cyber-Physical Systems of Systems and IoT
- Model-Based Security Engineering
- MBE for Software and Business Process Modelling
- MBE Applications in Transportation, Health Care, Cloud&Mobile computing...
- Model-Based Integration and Simulation
- Model-Based Testing
- Model-Based System Analysis
- Application of Modeling Standards
- Comparative Studies of MBE Methods and Tools
- Metrics for MBE Development
- MBE Training
- Practical Experiences of applying MBE

All accepted papers will be published as **gold open-access journal publication in JOT!**

## STAF 2019 brings some novelties!

- The **Junior Researcher Community Event** brings exposure to PhD students and junior postdocs with a dedicated session and a dedicated social event to strengthen the community.
- Revival of the **Research Project Showcase**, to improve the visibility of research projects, and to foster collaborations.

ECMFA is *the Modeling Meet-up* in Europe to

- > get **high-quality research**,
- > meet the **community**,
- > and strengthen **research projects!**

### Program co-Chairs:

Benoit Combemale, Univ. Toulouse, France (Foundation)  
Shaukat Ali, Simula, Norway (Application)

### Communication Chair

Erwan Bousse, University of Nantes, France

### STAF Research Project Showcase Chair

Alessandra Bagnato, SOFTEAM, France

### STAF Junior Researcher Community Chair

Loli Burgueño, University of Málaga, Spain

### STAF Steering Committee Chair

Richard Paige, University of York, United Kingdom

### STAF General Chair

Mark van den Brand, TU/e, Netherlands