

Welcome to EXE 2015

1st International Workshop on Executable Modeling

Tanja Mayerhofer, Philip Langer,
Ed Seidewitz, and Jeff Gray

Context

Potentials of executable modeling

- Provide abstractions of system behavior
- Provide basis for analyzing system behavior
- Provide support for design, comprehension, discovery, validation, and verification of system behavior

Challenges of executable modeling

- Lack of maturity of techniques and tooling for executable modeling
- Limited adoption of executable modeling in industry

Aim

- Highlight potentials and challenges of executable modeling
- Assess and advance the state-of-the-art in executable modeling
- Bring together researchers and practitioners working in executable modeling
- Exchange recent results, ideas, opinions, and experiences
- Coordinate research efforts

Topics

1. Languages, techniques and methods for the development of executable modeling languages
2. Techniques and methods for developing tooling for executable modeling languages
3. Experiences in developing, deploying, and applying executable modeling languages and their tooling

Program

9:15 – 10:15 Keynote (Chair: Ed Seidewitz)

Why and Where do we need Model Execution?

Francis Bordeleau

10:15 – 10:45 Coffee Break

10:45 – 12:00 Paper Session 1 (Chair: Jeff Gray)

Executable Modeling with fUML and Alf in Papyrus: Tooling and Experiments

Sahar Guerhazi, Jérémie Tatibouet, Arnaud Cuccuru, Ed Seidewitz, Saadia Dhouib and Sébastien Gérard

UML Model Execution via Code Generation

Gergely Dévai, Máté Karácsony, Boldizsár Németh, Róbert Kitlei and Tamás Kozsik

UmpleRun: a Dynamic Analysis Tool for Textually Modeled State Machines using Umple

Hamoud Aljamaan, Timothy Lethbridge and Miguel Garzón

12:00 – 13:00 Lunch Break

Program

13:00 – 14:15 Paper Session 2 (Chair: Tanja Mayerhofer)

Coping with Semantic Variation Points in Domain-Specific Modeling Languages

Florent Latombe, Xavier Crégut, Julien Deantoni, Marc Pantel and Benoît Combemale

On the Real-time Execution of Deep Models

Colin Atkinson, Ralph Gerbig and Noah Metzger

Testing Extensible Language Debuggers

Domenik Pavletic, Syed Aoun Raza, Kolja Dumann and Kim Haßlbauer

14:15 – 15:00 Initiation of Discussion Session

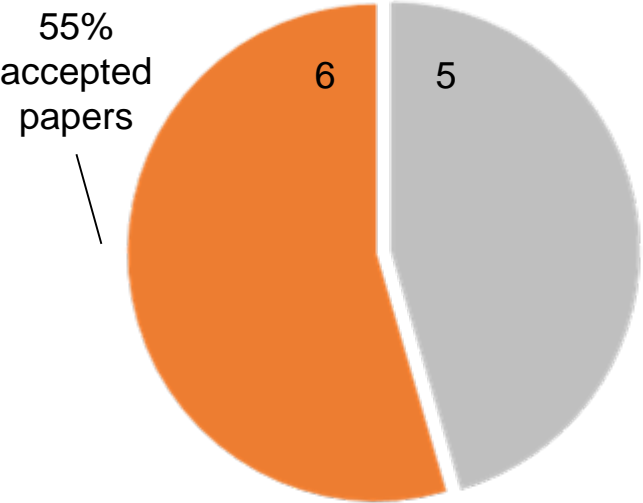
15:00 – 15:30 Coffee Break

15:30 – 16:30 Discussion Session

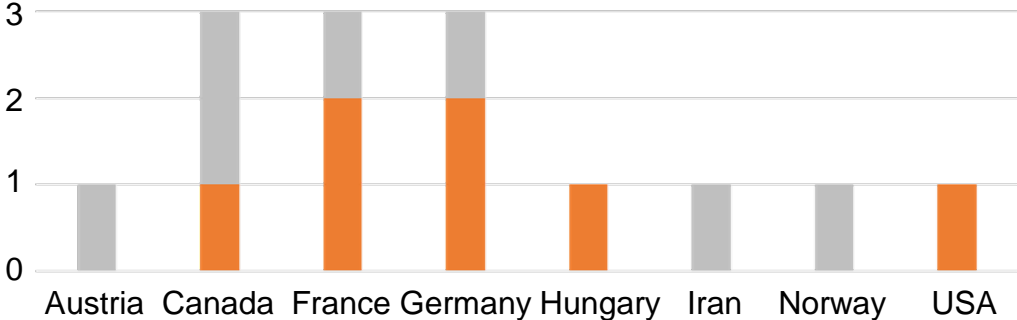
16:30 – 17:00 Wrap-up and Workshop Closing

Statistics about Submissions

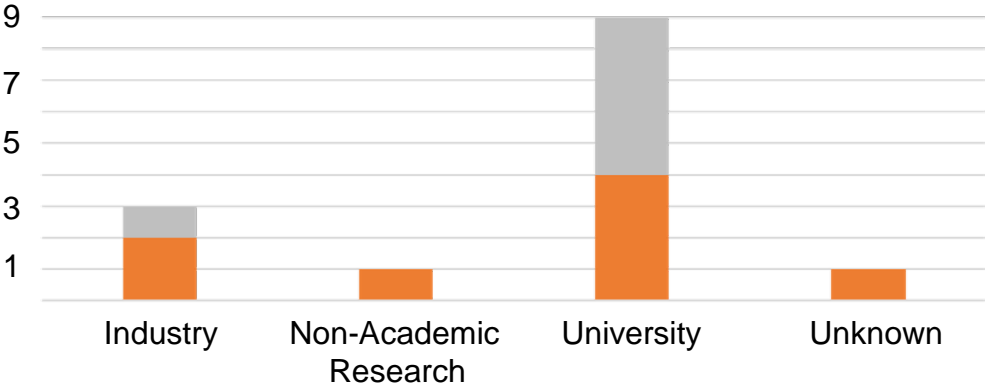
Acceptance Rate



Number of Submissions per Country



Number of Submissions per Organization Type



Program Committee

Jordi Cabot

Gregor Engels

Dimitris Kolovos

Alessandro Romero

Massimo Tisi

Tony Clark

Sebastien Gerard

Marjan Mernik

Bernhard Rumpe

Hans Vangheluwe

Benoit Combemale

Martin Gogolla

Zoltan Micskei

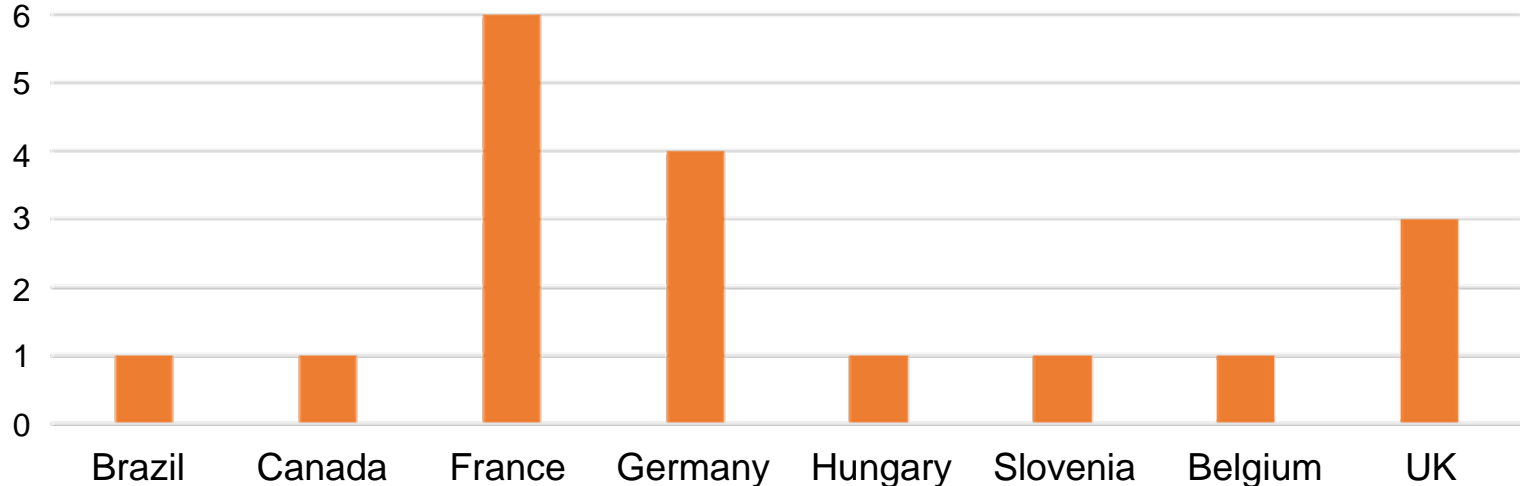
Markus Scheidgen

Juergen Dingel

Frederic Jouault

Richard Paige

Jeremie Tatibouet



Publication of Resources

Pre-proceedings

- Pre-workshop version of papers are available at <http://www.modelexecution.org/exe2015>

Username: 20exe15

Password: r4nth3m0d3l

Post-proceedings

- Revised papers will be published on CEUR: <http://ceur-ws.org>
- Deadline for camera-ready versions: October 30th
- Submission system: <https://easychair.org/conferences/?conf=exe2015>

Presentations

- Will be available at <http://www.modelexecution.org/exe2015>