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 Guermazi, 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 Dummann 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

55% accepted papers

Number of Submissions per Country

<table>
<thead>
<tr>
<th>Country</th>
<th>Submissions</th>
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<tbody>
<tr>
<td>Austria</td>
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<tr>
<td>Canada</td>
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<td>USA</td>
<td>1</td>
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Number of Submissions per Organization Type

- Industry: 3
- Non-Academic Research: 1
- University: 9
- Unknown: 1
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

Brazil       Canada      France     Germany    Hungary    Slovenia     Belgium        UK
Publication of Resources

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

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