Date: 15 May 2016
Location: Austin, Texas
co-located with ICSE 2016
http://2016.icse.cs.txstate.edu/

FME representatives (OC and PC):
Nico Plat and Stefania Gnesi
http://www.fmeurope.org/

Keynotes by
Pamela Zave (AT&T Research) and
Don Batory
(University of Texas)
7 Paper presentations
Panel discussion

FormaliSE 2016
FME Workshop on Formal Methods in Software Engineering
www.formalise.org
The numbers

<table>
<thead>
<tr>
<th>Edition</th>
<th>#Submissions</th>
<th>Acceptance rate</th>
<th>#Attendees</th>
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<td>2012 (Zurich)</td>
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<td>2013 (San Francisco)</td>
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(*) 7 from the US/Canada, 8 from Europe, 3 rest of the world. 50 authors in total, equal division.
Program (morning)

- 8:50-9:00: Introduction
- 9:00-10:00: Keynote: Pamela Zave
- 10:00-10:30: Session 1
- 10:30-11:00: Coffee break
- 11:00-12:45: Session 2
- 12:45-14:00: Lunch
Program (afternoon)

- **14:00-15:00**: Keynote: Don Batory
- **15:00-15:30**: Session 3
- **15:30-16:00**: Tea break
- **16:00-16:30**: Session 4
- **16:30-17:30**: Panel discussion
Session 1

- Pamela Zave (AT&T Research). “How to Make Chord Correct” (keynote)

Session 2

- Néstor Cataño, Víctor Rivera and Sukriti Bhattacharya. “Undertaking the Tokeneer Challenge in Event-B”.

- Shigeki Hagihara, Atsushi Ueno, Takashi Tomita, Masaya Shimakawa and Naoki Yonezaki. “Simple Synthesis of Reactive Systems with Tolerance for Unexpected Environmental Behavior”


Session 3

- **Don Batory (University of Texas at Austin)**: “Teaching Modeling and Variability in Software Design and its Importance to Science” *(keynote)*

- **Andreas Katis, Michael Whalen and Andrew Gacek**: “Towards Synthesis from Assume-Guarantee Contracts involving Infinite Theories: A Preliminary Report"
Mohammed Al-Mahfoudh, Ganesh Gopalakrishnan and Ryan Stutsman. “Toward Rigorous Design of Domain-Specific Distributed Systems”

Panel discussion
Panel discussion

Panel members:

- Don Batory
- Pamela Zave
- Ben Di Vito
- Nico Plat
Panel discussion

The main purpose of the panel is to initiate a discussion on the state of research on the applicability of formal methods (FM) in software engineering (SE) practice, typically in the industrial arena.

(Possible) topics:

- The application of FM in the context of certified systems.

- Can FMs reduce the need for testing, and if so: to what extend? This has always been a hope. Where is it happening now? Where might it happen in the future?

- Scalability. Some methods are inherently more scalable than others. Will software engineers only use the most scalable tools and techniques? What impact will that have on the others?
See you next year in Buenos Aires!