

# Declare 2017

CONFERENCE AND SUMMER SCHOOL ON DECLARATIVE PROGRAMMING

[www.declare17.de](http://www.declare17.de)

## WHEN

17th to 22st September 2017

## WHERE

Würzburg, Germany  
Julius-Maximilians-Universität Würzburg

## Conference Schedule

Tue, 19th

- 14:00 ■ Conference Opening  
**Dietmar Seipel**  
UNIVERSITY OF WÜRZBURG, GERMANY
- 14:30 ■ An Approach for Representing Answer Sets in Natural Language  
**Min Fang and Hans Tompits**
- Techniques for Efficient Lazy-Grounding ASP Solving  
**Lorenz Leutgeb and Antonius Weinzierl**
- 15:30 ■ Coffee Break
- 16:00 ■ Concolic Testing of Functional Logic Programs  
**Jan Rasmus Tikovsky**
- CalcuList: a functional language extended with imperative features  
**Domenico Sacca' and Angelo Furfaro**

Wed, 20th

- 09:00 ■ Invited Talk – SWISH: SWI-Prolog for Sharing  
**Jan Wielemaker**
- 10:00 ■ Implementation of Logical Retraction in Constraint Handling Rules with Justifications  
**Thom Frühwirth** (TALK BY DANIEL GALL)
- 10:30 ■ Coffee Break
- 11:00 ■ Constraint Solving on Hybrid Systems  
**Pedro Roque, Vasco Pedro and Salvador Abreu**
- A Confluence Checker for Constraint Handling Rules with Persistent Constraints  
**Frank Richter, Daniel Gall and Thom Frühwirth**

- 12:00 ■ Lunch Break
- 14:00 ■ Declarative XML Schema Validation with SWI-Prolog  
**Falco Nogatz, Jona Kalkus and Dietmar Seipel**
- plspec - A Specification Language for Prolog Data  
**Philipp Koerner and Sebastian Krings**
- Closed Types for Logic Programming  
**João Barbosa, Mário Florido and Vítor Santos Costa**
- 15:30 ■ Coffee Break
- 16:00 ■ Meeting of the German Association for Logic Programming (GLP)

Thu, 21st

- 10:00 ■ The Syllogistic Reasoning Task: Reasoning Principles and Heuristic Strategies in Modeling Human Clusters  
**Emmanuelle-Anna Dietz, Steffen Hölldobler and Richard Mörbitz**
- 10:30 ■ Coffee Break
- 11:00 ■ In Praise of Impredicativity: A Contribution to the Formalization of Meta-Programming  
**François Bry**
- An Abstract Machine for Push Bottom-Up Evaluation with Declarative Output  
**Stefan Brass**
- 12:00 ■ Lunch Break
- 14:00 ■ CPM: A Declarative Package Manager with Semantic Versioning  
**Michael Hanus and Jonas Oberschweiber**
- The Proportional Constraint and Its Pruning  
**Armin Wolf** (TALK BY HANS-JOACHIM GOLTZ)
- Run-time Analysis of Temporal Constrained Objects  
**Jinesh M. Kannimoola, Bharat Jayaraman and Krishnashree Achuthan**
- 17:00 ■ Concert
- 18:30 ■ Dinner

Fri, 22nd

- 09:00 ■ Invited Talk – Declarative Aspects in Explicative Data Mining  
**Martin Atzmueller**
- 10:00 ■ Extracting and Representing Entities from Open Sources of Information in the Agatha Project  
**Gonçalo Carnaz, Roy Bayot, Vitor Beires Nogueira, Teresa Gonçalves and Paulo Quaresma**
- 10:30 ■ Coffee Break
- 11:00 ■ Controlling Lego EV3 robots with Prolog

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## Sibylle Schwarz and Mario Wenzel

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- How I Teach Functional Programming (experience report)  
**Johannes Waldmann**
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12:00 ■ Lunch Break

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- 14:00 ■ An Operational Semantics for Constraint-logic Object-Oriented Programming  
**Jan C. Dageförde and Herbert Kuchen**
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- Hypertree Decomposition: The First Step Towards Parallel Constraint Solving  
**Ke Liu, Sven Löffler and Petra Hofstedt**
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15:00 ■ Farewell

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