

# DIFTS 13

2nd International Workshop on Design and Implementation of Formal Tools and Systems

October 19, 2013  
Portland, Oregon  
University Place Hotel

## Preliminary Program

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**8:30 Breakfast and Registration**

**9:15 Welcome**

**9:30 1<sup>st</sup> Invited Talk**

Masahiro Fujita, The University of Tokyo, Japan

*Diagnosis and Correction of Buggy Hardware/Software with Formal Approaches*

**10:30 Coffee Break**

**11:00 System**

- Mathias Preiner, Aina Niemetz and Armin Biere  
*Lemmas on Demand for Lambdas*
- Marco Palena, Gianpiero Cabodi and Alan Mishchenko  
*Trading-off Incrementality and Dynamic Restart of Multiple Solvers in IC3*
- Jiang Long, Robert Brayton and Michael Case  
*LEC: Learning driven data-path equivalence checking*

**12:30 Lunch**

**14:00 2<sup>nd</sup> Invited Talk**

Rance Cleaveland, Reactive Systems Inc., USA

*Approximate Formal Verification using Model-based Testing*

**15:00 Tools I**

- Niklas Een and Alan Mishchenko  
*A Fast Reparameterization Procedure*

**15:30 Coffee Break**

**16:00 Tools II**

- In-Ho Moon and Kevin Harer  
*Abstraction-Based Livelock/Deadlock Checking for Hardware Verification*
- Sonali Dutta, Moshe Y. Vardi and Deian Tabakov  
*CHIMP: a Tool for Assertion-Based Dynamic Verification of SystemC Models*

**17:00 3<sup>rd</sup> Invited Talk**

Dhiraj Goswami, Synopsys, USA

*Stimulus generation, enhancement and debug in constraint random verification*

**18:00 Closing Remarks**