

Dagstuhl Seminar 10111 on
“Practical Software Testing : Tool Automation and Human Factors”

14.03.10 - 19.03.10
(March 16, afeternoon)

Detailed Schedule

Monday March 15

9am – 10:30am

Opening and Attendees 5 minutes self-introduction

11am – 12pm

Attendees 5 minutes self-introduction

1:30pm – 5:00pm

Topic 1: "Human Factors in Software Development Tools" (presentation and panel)

Speakers:

Andrew J. Ko (University of Washington, USA)

Eileen Kraemer (University of Georgia, USA)

Panelists:

Laura Dillon (Michigan State University, USA)

Stephen Oney (Carnegie Mellon University, USA)

John Penix (Google, US)

Topic 2: "Testing in Academia and in Industry" (presentation and panel)

Speakers:

Thomas Ball (Microsoft Research, USA)

Willem Visser (University of Stellenbosch, South Africa)

Panelists:

Mark Grechanik (Accenture Technology Labs, USA)

Michal Young (University of Oregon, USA)

Tuesday March 16

9am – 10:00am

New Attendees 5 minutes self-intro

10:00am – 12:00am

Topic 3: "Code-based test data generation" (presentations and panel)

Speakers:

Patrice Godefroid (Microsoft Research, USA)

Mauro Pezzé (University of Milano Bicocca, Italy, University of Lugano,
Switzerland)

Panelists:

Darko Marinov (University of Illinois at Urbana-Champaign, USA)

Nikolai Tillmann (Microsoft Research, USA)

Paolo Tonella (FBK-IRST, Italy)

1:30pm – 5:00pm

Topic 4: "Model-based Testing" (presentation and panel)

Speakers:

Bruno Legeard (Université de Franche-Comté/LIFC, Smartesting, France)
Jan Tretmans (Radboud University Nijmegen, Embedded Systems Institute, The Netherlands)

Panelists:

Wolfgang Grieskamp (Microsoft, USA)
Robert Hierons (Brunel University, UK)
Amit Paradkar (IBM Research, US)

Topic 5: "Regression Testing" (presentations and panel)

Speakers:

Mary Jean Harrold (Georgia Institute of Technology, USA)
Brian P. Robinson (ABB Research, USA)

Panelists:

Adam Porter (University of Maryland, College Park, USA)
David Rosenblum (University College London, UK)
Per Runeson (Lund University, Sweden)
Shin Yoo (King's College, London, UK)

5:00 – 5:30pm

Working groups formation

8pm – 9:30pm

Tool Demos (10 minutes each):

- JPF (Willem Visser)
- CHESS (Thomas Ball)
- Spec Explorer (Wolfgang Grieskamp)
- Bruno Legeard (Test Designer)
- Milu (Yue Jia)
- Text 2 Test (Amit Paradkar)
- Pex (Nikolai Tillmann)

[Wednesday, March 17](#)

9am – 9:30am

New Attendees 5 minutes self-intro

Research-oriented presentations (15 minutes each):

Thomas Ball, "Preempting Sealing for Efficient Concurrency Testing"

Mark Grechanik, "Preserving Test Coverage While Achieving Anonymity For Database-Centric Applications"

9:30am – 10:30am

Working groups

11am – 12pm

Working groups Report and Discussion

Afternoon

Social event

Thursday March 18

9am – 10:00am

Opening

Research-oriented presentations (15 minutes each):

Jan Tretmans, “Eco testing for components”

Amit Paradkar, “Holistic Requirements based Analysis and Testing”

Michael Whalen, “Coverage Metrics and Requirements-Based Testing”

10am – 12pm

Working groups

1:30pm – 3:30pm

Working groups

4pm – 5:30pm

Working groups Report and Discussion

Friday March 19

9am – 10:30am

Opening & Working groups report and discussion

11am – 12pm

Working groups report and wrap up

Breakfast, Coffee break, Lunch and Dinner:

Breakfast: 7:30 – 8:45 a.m.

Coffee breaks: 10:30 and 3:30

Lunch and dinner: 12:15 and 6:00 pm

Organizers:

Mark Harman (King's College - London, GB)

Henry Muccini (Univ. degli Studi di L'Aquila, IT)

Wolfram Schulte (Microsoft Corp. - Redmond, US)

Tao Xie (North Carolina State University, US)

Dagstuhl Seminar Web:

http://www.dagstuhl.de/no_cache/en/program/calendar/semhp/?semnr=10111