

JML Dagstuhl Seminar Schedule

Monday Morning Schedule

- 09:00 – 09:15 Seminar introduction
- 09:15 – 09:20 Excursion on Wednesday afternoon
- 09:20 – 10:10 Introduction (≤ 3 mins/person)
- 10:10 – 10:50 Break
- 10:50 – 11:45 Goals and purpose of JML
- 11:45 – 12:15 Week organization discussion
- 12:15 – 13:30 Lunch

Monday Afternoon Schedule

Theme: JML Syntax and Tools

- 13:30 – 14:45 Overview of JML4, JML6, Java Contracts and JIR
- 14:45 – 15:20 OpenJML
- 15:20 – 15:55 Coffee break
- 15:55 – 16:30 JastAdd
- 16:30 – 16:45 JAJML
- 16:45 – 17:00 BML
- 17:00 – 17:45 Key
- 18:00 - Dinner

Tuesday Morning Schedule

- 09:05 – 09:10 Excursion announcement

Theme: JML Semantics

- 09:10 – 09:20 Tool and infrastructure discussion
- 09:20 – 09:40 CoreJML (David Naumann)
- 09:40 – 10:20 Semantic models (Peter Schmitt)
- 10:20 – 10:50 Coffee break
- 10:50 – 11:30 Semantic issues in JML (Matthias Ulbrich)
- 11:30 – 11:45 Auxiliary annotations (Bernard Beckert)
- 11:45 – 12:15 Discussion on semantic issues
- 12:15 – 13:30 Lunch

Tuesday Afternoon Schedule

Theme: JML Semantics

- 13:30 – 15:00 Semantics discussion

Theme: Safety-critical systems

- 15:00 – 15:15 Using JML to support timing analysis of real-time Java programs (James Hunt)
- 15:15 – 16:00 Coffee break
- 16:00 – 16:30 Overview of changes to software certification standards for aviation (James Hunt)
- 16:30 – 16:45 Dutch election software (Ronny Wischer)
- 16:45 – 17:20 Information flow contracts (John Hatcliff)

Demo

- 17:20 – 17:50 OpenJML (David Cok)

Wednesday Morning Schedule

Demos

- 09:00 – 09:15 Spec# (Rosemary Monahan)
- 09:15 – 09:30 Bonc & Bettle (Joseph Kiniry)
- 09:30 – 09:45 Kiasan (Jooyong Lee)
- 09:45 – 10:00 Indus (John Hatcliff)
- ...
- 10:15 – 10:45 Coffee break
- 10:45 – 12:15 Subgroups: syntax, semantics, and tools

Thursday Morning Schedule

- 9:00-9:15 HATS - an Integrated ICT Project within EC Framework 7 (Reiner Haehnle)
- 9:15-9:30 Concurrency Issues (Cormac Flanagan)
- 9:30-9:45 JML@ETH (Peter Mueller)
- 9:45-10:00 Specifying memory usage in JML (Peter Schmitt)
- 10:00-10:15 Indus? (John Hatcliff)
- 10:15-10:45 Coffee Break
- 10:45-11:00 Secret Ninja FM (Dan Zimmerman and Joe Kiniry)
- 11:00-12:00 Discussion: teaching JML (led by Curt Clifton)
 - Documentation, tutorial materials, experience reports

Thursday Afternoon Schedule

- 13:30 – 15:30 Examples and Library (led by Joe Kiniry)
 - How to write clear/concise specifications that work for multiple tools
 - Organizing Specification of JDK libraries
 - How to collect specifications for research
- 15:15 – 16:00 Coffee break
- 16:00 – 17:00 More discussion or talks that didn't fit earlier
(we can talk about community organization if no more talks)

Friday Morning Schedule

- 9:00-9:30 Dafny (Rustan Leino)
- 9:30-10:15 Discussion: Community organization
 - JML Consortium, standardization issues, etc.
- 10:15-10:45 Coffee Break
- 10:45-12:00 Open discussion