OPCT 2014

Research Seminar on
Open Problems in Concurrency Theory

Organized by: Marco Bernardo, Daniel Gebler, Michele Loreti

Co-sponsored by: IFIP WG 1.8

http://opct2014.cs.vu.nl/

Bertinoro, 18-21 June 2014

Why This Event?

- Some related events previously organized in Bertinoro:

  2001 *SFM-01:PA – School on Process Algebra.*

  2003 *Process Algebra: Open Problems and Future Directions.*

  2005 *Algebraic Process Calculi: The First 25 Years and Beyond.*

- It was time to organize another event in the series.

- Not only process algebra, concurrency theory in general.

- Identify the most important open problems in the field.

- Proposed at IFIP WG 1.8 business meeting in August 2013.

- Enthusiastically accepted (past chair Jos Baeten, present chair Ilaria Castellani).

How Was It Organized?

- Invited **55** present and past IFIP WG 1.8 members.

- Invited **3** present and past CONCUR SC members _{not in the previous list.}

- Invited **30** present and past CONCUR PC chairs _{not in the previous lists.}

- Invited **33** additional people _{not in the previous lists.}

- Total of **121** invitees (**101** males, **20** females):

  - **44** willing to give a talk.

  - **8** interested only in attending.

  - **9** willing to speak/participate, but unable to come in the end.

  - **27** declined our invitation.

  - **33** did not respond _{("chiedere è lecito, rispondere è cortesia").}

- Restricted call for participation issued in April 2014.

Statistics about Attending People

- Total of **59** attending people (**49** males, **10** females):

  - **44** speakers, **12** participants, **3** organizers.

- Nationality (affiliation):

  - **17**: Italy.

  - **8**: The Netherlands.

  - **8**: United Kingdom.

  - **6**: France.

  - **5**: Denmark.

  - **3**: Germany.

  - **2**: Argentina.

  - **2**: Sweden.

  - **1**: Australia, Austria, Cyprus, Czech Republic, Iceland, Ireland, Portugal, Spain.

Structure of the Programme

- Duration: 3.5 days.

- **44** talks of 30 minutes each.

- **14** sessions of 3 talks each, plus **1** session of 2 talks.

- **5** tracks resulting from the topics proposed by the speakers:
  - Process Theory, Expressiveness, and Programming Languages (8).
  - Quantitative Aspects in Concurrency Theory (3).
  - Verification, Testing, and Synthesis (2).
  - Types in Concurrency Theory (1).
  - Security in Concurrency Theory (1).

Outcome of the Research Seminar

- *Talks should address open problems as much as possible.*

- Special issue of an international journal for the current open problems?

- Database/website of open problems to be periodically updated?

- Anything else?

- We are open to suggestions and collaborations.

Thanks for coming to Bertinoro!!!

Enjoy OPCT 2014!!!