

Minutes from the MLQA 2012 Meeting

1. Introduction

The fourth annual meeting of the MLQA WG took place on September 8, 2012 in the Laboratory for Foundations of Computer Science of the University of Edinburgh. Many thanks to the Laboratory for the excellent organization and hospitality. The meeting was organized in cooperation with The Scottish Informatics & Computer Science Alliance (sicsa*). The event consisted of a number of invited talks, a number of contributed talks, a poster session and a business meeting. The meeting was organized by Jane Hillston, Gethin Norman and Flemming Nielson.

The theme of the meeting was **Compositional Modelling and Analysis of Quantitative Systems** and experts in the area of process algebra, fluid flow analysis, compositional verification and analysis were brought together.

2. The Scientific Programme at a Glance

This year the programme consisted of both invited talks and contributed ones.

Invited talks:

- Pedro D'Argenio: *Security analysis in probabilistic distributed protocols via bounded reachability*
- Andrea Marin: *Compositional model specifications and analyses via product-forms*
- Mirco Tribastone: *Exact Aggregation for Fluid Process Algebra Models*
- Jaco van de Pol: *Symbolic Manipulation of Markov Automata*

Contributed talks

- Vashti Galpin: *Stochastic hybrid modelling with composition of flows*
- Saray Shai: *Coupled adaptive complex networks*
- Chris Banks: *A logic for behaviour in context*

Further details can be found at:

http://wiki.ercim.eu/wg/MLQA/index.php/MLQA_2012 and

<http://workshops.inf.ed.ac.uk/mlqa2012/>

3. The Business Meeting

Flemming Nielson, Chair of the MLQA WG could not attend the meeting which was then chaired by Diego Latella.

Diego Latella presented a brief overview of ERCIM, the aims of MLQA and the expectations of an ERCIM WG: annual meetings, mobility of young researchers, and formulation of research project proposals to be submitted to the EU for funding. A brief report on ongoing activities has been presented:

- **MLQA 2013:**
The next MLQA meeting will take place in Rome, on Sunday March 24, 2013 as satellite event of the European Joint Conferences on Theory and Practice of Software (ETAPS). The meeting will be organized by Flemming Nielson and the theme will be **Cyber Physical Systems**. A session of MLQA 2013 will be shared with the 11th Workshop on Quantitative Aspects of Programming Languages (QAPL 2013)
- **QAPL-MLQA SUMMER SCHOOL:**
The QAPL-MLQA summer school will take place in Bertinoro (IT), during June 17-22, 2013. The school will be organized by Alessandra Di Pierro, Erik de Vink and Herbert Wiklicky. The theme of the school will be: Dynamical Systems

A general discussion took place among the participants about expectations to MLQA and its activities; below are some of the key points of view.

The combination of invited talks by personalities in the field and talks given by young researchers, which has characterized the Edinburgh meeting has been very much appreciated and it has been recommended that a similar pattern should be adopted also for future meetings. It has been stressed that paper submission/review processes should be avoided: young researchers should be invited as well. On the other hand, it has been pointed out that, in the absence of published proceedings, young researchers might experience difficulties for access to funds for attending the meeting.

The general issue of proliferation of workshops and meetings on quantitative aspects of formal modeling has been raised and particular care in the scheduling MLQA meetings has been recommended.

As far as MLQA 2014 is concerned, it has been pointed out that QAPL will be co-located with ETAPS 2014; options for MLQA include:

- ETAPS, so that some cooperation with QAPL could take place, e.g. in the form of shared session(s) or invited speaker(s)
- QEST 2014.

The meeting closed at 5 pm.

4. Attendees

The meeting was attended by the following people, plus the invited speakers:

Oana Andrei
Chris Banks
Luca Bortolussi
Andrea Bracciali
Gian-Luca Dei Rossi
Vashti Galpin
Daniel Gebler
Anastasis Georgouals
Stephen Gilmore
Jane Hillston
Roberta Lanciani
Diego Latella
Michele Loreti
Mieke Massink
Nils Mullner
Laura Renzi
Gethin Norman
Alireza Pourranjbar
Saray Shai
Max Tschaikowski
Herbert Wiklicky