



Minutes of Continuous/ Hybrid Simulation Roadmap Event & Business and Enterprise Modelling/Simulation Group, held at City University , London on May 27th 2004.

Present

The meeting was attended by :

Prof Nick Karcantias
Schools of Engineering
City University
London
N.Karcantias@city.ac.uk

Calum Forsyth
Webaspx
Runcorn
Cheshire
calum.forsyth@webaspx.com

Prof Heikki Koivo
University of Helsinki
heikki.koivo@hut.fi

Dia Miloti
Schools of Engineering
City University
London
K.Miloti@city.ac.uk

Dave Boland
Process Industries Centre for Manufacturing Excellence
Wilton
Cleveland
dave@menza.co.uk

Kostas Karaoulis
Schools of Engineering
City University
London
K.Karaoulis@city.ac.uk

Prof Dave Stupples
School of Engineering
City University
d.w.stupples@city.ac.uk

Prof Antonis Kokossis



Dept of Chemical Engineering
A.Kokossis@surrey.ac.uk

Steve Williamson
SJW Associates
Mould
N Wales
steve@sjwassociates.co.uk

Prof. Ali Hessami
Atkins Consulting

Dr Eric S Fraga
UCL University

Apologies were received by:

Roger Moore
UK Dept of Trade and Industry
fangio@postmaster.co.uk

Duncan McFarlane
dcm@eng.cam.ac.uk
Cambridge University
Cambridge CB2 1PZ
England

Dr Jan Maciejowski
Reader in Control Engineering, Head of Control Group
Cambridge University Engineering Dept
Trumpington Street
Cambridge CB2 1PZ
England
jmm@eng.cam.ac.uk

Professor Martin Newby
City University

Due to some misunderstanding Dr Anthony Tzes of university of Patras had arrived on the 17th of May and had a separate discussion with Prof N.Karcanias.

Proceedings

Professor Karcianas appointed as the Chairman. After welcomes and introductions, the meeting began the developed of the desirable structure of white papers as shown below:

Desirable Structure of White Papers

1. Motivation, Incentives
2. Background: Application Domain Issues & Problems
 - *Traditional*
 - *New Emerging*
 - *Multi-Disciplinarily*
3. Methodology, Technology, Practice: State of the art
 - *Methodology*
 - *Technology*
 - *Applications*
 - *Gaps*
4. Challenges for Future Desirable RES Directions
 - *Short term – technological development*
 - *Long term – future emerging technologies*
5. Desirable Action
6. References

Presentations of their white papers were made by :

“Modelling Power as Utility” by A.C. Kokosis.

“Heterogeneous Processes and Modelling” of University of Patras by Prof N.Karcianas.

“Exploitation of Modelling” by Calum Forsyth.

“Challenging Paradigms In Modelling And Simulation” by Prof Heikki Koivo

Comments were made in the end of each presentation, comments were also made in the draft white paper which was not presented “Modelling Methodology and Issues” B. Rustem, E. Pistikopoulos and E. S. Fraga

It was decided that a section should be included onto each paper making explicit the nature and types of challenges to the corresponding areas. The latter was thought essential for the development of the road map.



Outstanding white papers from Duncan McFarlane and Roger Moore were expected by the submission of missing paper date in the Action and Timetable schedule.

During the course of the meeting it was decided that there is a need for an additional paper that will cover the systems and control aspect and will provide a link between topics in the various areas. Prof N.Karcanias is undertaking the task of finding the appropriate colleague that will complete the task in the allocated time.

A time table for the completion and submission of white papers and roadmap was derived:

Action & Timetable:

1st June. Circulation of current draft white papers.

7th June. Comments back.

12th June. Submission of missing papers.

14th June. Revised papers.

1st July. 1st Version of Roadmap.

7th July. Comments back.

8th July. White paper presentations sent to Patras

Conversation was made on the issues of the Patras event and it was decided that on the 14th of July there will be a meeting of the working group finalizing the presentations that are going to be made on the 15th, where there'll be held an open day workshop.

The Meeting ended with a presentation by Prof. N.Karcanias on Complex Systems in Engineering Paradigms: Modeling Issues.

After the end of the meeting Prof N.Karcanias had a discussion with Prof Peter P. Groumpos of Patras and he is plans this event to be a major event in the area of technology.