



Second Meeting of the STRAFF



“Simulation of Traffic and Transportation Systems”

Budapest, Hungary
Park Hotel Flamenco
19th of October, 2004
13.00 – 19.00h

MINUTES of the SECOND MEETING

1. Present

The meeting was attended by 6 people representing 5 different organisations. Interest had been expressed from two other organisation which was not able to make the date. A list of attendants is shown below.

Attendant/Function	Organisation
Markus Klug - Chairman	ARC Seibersdorf
Johannes Krauth	SimServ Core Team
Nikolinka Christova	University University of Chemical Technology and Metallurgy, Bulgaria
Tomasz Nowakowski	Wroclaw University of Technology
Daniel Weber	University of Duisburg, Germany
Marcin Walczak	CAMT

2. Proceedings

- A. The first part of the meeting was organized in conjunction with *Simulation in Logistics, Traffic and Transport* session of the European Simulation Symposium 2004 which reflects on international trends and the development of the field of modeling and simulation and provides an exhibit of theoretical and practical results.
- B. The second part of the meeting followed the agenda with Markus Klug appointed as the Chairman. After welcomes and introductions by Chairman Dr Krauth introduced new members to SimServ project. After that Marcin Walczak explained the aims for STRAFF and the goal of that meeting as well as reviewed the last meeting in Wroclaw.
- C. Daniel Weber gave presentation on traffic simulation using cellular automata. He reviewed his work under project realised by University of Duisburg.

- D. Professor Tomasz Nowakowski gave a short lecture on reliability of transportation systems. As the alternatives to simulation, an interesting approach of Generalized Petri Nets adopted to traffic problems, was presented by Professor Nikolinka Christova.
- E. The Chairman moderated a discussion which had its focus on different approaches to traffic simulation. As during the previous meeting the group discussed circumscriptions in financing simulation project.
- F. Chairman closed the meeting.

3. Presentations

- A. SimServ profile, activities, working groups – Dr Krauth
- B. STRAFF Working Group – Marcin Walczak
- C. Reliability of Transportation Systems – Tomasz Nowakowski
- D. Generalized Petri Nets in Traffic – Nikolinka Christova
- E. Cellular automata and web based simulation – Daniel Weber

4. How to go further

The second meeting gave the opportunity to discuss the theoretical aspects of traffic simulation and should provide knowledge for realisation of two goals:

- to survey state of the available technologies and their current application
- to identify needs and options for future research and improved applications

The whole group agreed that STRAFF is a good base for applying to EU Project. All participants declares their readiness to elaborate the proposal.

**All SimServ members are cordially invited to join to STAFF
and support its future activities.**

**Marcin Walczak
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