



First Meeting of the new Sim-Serv Working Group

**“Simulation of Traffic
and Transportation Systems”**

Wroclaw University of Technology

Centre for Advanced Manufacturing Technologies

15th of July, 2004

9.00 – 17.00h

MINUTES of the FIRST MEETING

1. Present

The meeting was attended by 8 people representing 5 different organisations. Interest had been expressed from one other organisation which was not able to make the date. A list of attendants is shown below.

Attendant/Function	Organisation
Jarosław Chrobot - Chairman	CAMT
Markus Klug - Co-Chairman	Austrian Research Centre Seibersdorf
Marcin Golinczak	University of Wrocław
Arkadiusz Woronko	Public Transport Department, Municipal Office of Wrocław
Piotr Wisznicki	Traffic Control Centre, Municipal Office of Wrocław
Maciej Kruszyna	Department of Roads and Airports, Technical University of Wrocław
Krzysztof Gasz	Department of Roads and Airports, Technical University of Wrocław
Marcin Walczak	CAMT

2. Proceedings

A. The meeting followed the agenda with Dr Jaroslaw Chrobot appointed as the Chairman and Mr Markus Klug, the Co-Chairmen. After welcomes and introductions Chairman presented SimServ and Marcin Walczak explained the aims for STRAFF and the goal of that meeting which was finally defined as: to define transportation problems which could be solved with simulation. Each member gave a presentation on competences of his organisation.

- B. Mr Klug, as the simulation expert with a great experience in a logistic simulation, introduced to the fundamentals of simulation, most of all addressing it to Municipal Office representatives. Further, as the example of microsimulation model, Mr Golinczak reviewed his work under verification reconstruction plans of one strategic intersection in Wroclaw. After that Mr Walczak reviewed the European transport policy. Before starting discussion attendants were invited to CAMT Vision System Laboratory where the methods of data collecting (about pedestrians, cars movements and features) using cameras were presented.
- C. The Chairman and Mr Walczak moderated a discussion which had its focus on advantages of simulation in solving transportation problems. All attendants agreed that simulation was not popular and had many advantages, most of all in respect to complex problem like transportation system reconfiguration. The Municipal Office representatives defined two problems for hypothetical projects in the area of public transport. They also pointed on their circumscriptions in financing simulation project.
- D. Chairman formed the groups and formulated tasks: each group, based on their knowledge and experience from the meeting, should formulate problems which could be solved with simulation.

3. Gallery

<p><i>Presentation</i></p>		
<p><i>Discussion</i></p>		
<p><i>VisSim models</i></p>		

4. Presentations

- A. SimServ profile, activities, working groups– Dr Chrobot
- B. Fundamentals of simulation – Mr Klug
- C. EU transport policy – Mr Walczak
- D. Simulation in transport, an example – Mr Golinczak

5. How to go further

The first meeting gave the opportunity to discuss the implementation matters. It partly realised two goals for STRAFF:

- ✓ to analyse which design and management problems of traffic can be addressed by simulation technology
- ✓ to promote use of simulation and make potential users aware of its benefits

The next meeting will focus on more theoretical aspects and should provide knowledge for other two goals:

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

**Activities of SimServ and STRAFF working group
will be promoted during the ESS 2004 congress and exhibition in Budapest,**

19 October, 2004.