

Sim-Serv Working Group #10
STRAFF
Simulation of Traffic and Transportation Systems

Working Group General Information	
Working Group Title	Simulation of Traffic and Transportation Systems
Working Group Short Name	STRAFF
Short Summary of the Working Group Topic	
The design and management of transportation systems and traffic (urban as well as regional or even European wide) include a number of very challenging problems. Optimal design and management of such systems have a tremendous influence on economic performance, service provision and general quality of life. It is therefore important to develop modelling and simulation techniques especially for this area.	
Short Summary of the Working Group Goals	
To survey state of the art and identify challenges for future developments of simulation techniques for traffic and transportation.	

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Background. Reasons why this Working Group is needed.
Tremendous losses of time and money, and unnecessary emissions are produced every day by inefficient traffic systems. Rush hours, blockings, stop and go are just a few of them. It is foreseen that these problems will grow as general mobility of people and goods seems to continue increasing.
Working Group goals.
<ul style="list-style-type: none"> - to analyse which design and management problems of traffic can be addressed by simulation technology - to survey state of the available technologies and their current application - to promote use of simulation and make potential users aware of its benefits - to identify needs and options for future research and improved applications - to stimulate RTD projects addressing the identified needs
The expected impact of the working group.
Currently, research in this area is rather isolated. Few institutes across Europe are active in this field. Better co-ordination of their work will help generate a “critical mass” both in research and development as well as in applications