Slovenia – Your Host Country

Slovenia is a new member of the European Union with 2 million inhabitants and 20,000 sq. km. It is a green and diverse country that lies between the Alps, the Mediterranean, and the Pannonian plane, and embraces all the beauties of the old continent. Waiting for you are snow-covered mountains and a Mediterranean coast, beautiful world-known karst caves and thermal springs, deep gorges created by clear mountain rivers, mountain lakes and disappearing karst lakes, ancient villages and medieval towns, old castles and modern entertainment centers, innumerable vineyards producing top quality wines and mysterious forests.

Ljubljana – Your Host City

Ljubljana, the capital of Slovenia, is the heart of the political, economic, cultural and scientific life of Slovene nation. It was build on the place of a Roman city Emona. Numerous churches, theatres, museums, galleries, the Medieval castle, give Ljubljana a reputation of being a modern and one of the most beautiful towns in Europe. Especially impressive are some works of the famous architect Jože Plecnik.

How to Get to Ljubljana?

Slovenia lies in the heart of Europe, and is easily accessible from any part of the Continent by all means of transportation. The easiest way to visit out capital would be by plane. The Brnik International Airport is situated 20 km north west of Ljubljana and connects Slovenia with all major world centres.

Web site: **www.eurosim2007.org**

EUROSIM 2007

6th EUROSIM Congress
on Modelling and Simulation

Eurosim congress
an important modelling and
simulation event in Europe!

September 9 - 13, 2007, Ljubljana, Slovenia

Invitation

Dear ladies and gentlemen, esteemed colleagues, it is a great pleasure for us to invite you to the very important European modelling and simulation event – EUROSIM 2007 congress that is to be held in Ljubljana, capital of Slovenia from Sept 9 to Sept 13, 2007. Slovenian Society for Simulation and Modelling SLOSIM is greatly honoured by the decision that entrusted it with the congress organization. So we shall do our best to organize an event with a high quality scientific program, with some other accompanied events but also with some unforgettable social events which should always be an important part of successful congresses.

Prof. **Borut Zupancic**, chair of the congress
Prof. **Rihard Karba**, chair of the IPC, president of SLOSIM

About EUROSIM

EUROSIM is the federation of European simulation societies which was set up in 1989. Its purpose is to promote, especially through local simulation societies, the idea of modelling and simulation in different fields; in industry, research and development. At the present EUROSIM has ten full members and three observer members. **www.eurosim.info**

Organizer of the EUROSIM 2007 Congress

The EUROSIM congress is organized every three years by a member society of EUROSIM. In 2007 the 6th congress will be organized by the Slovene Society for Simulation and Modelling SLOSIM in close cooperation with the German speaking modelling and simulation society ASIM.

Topics of Interest

The scope includes all aspects of continuous, discrete (event) and hybrid modelling, simulation, identification and optimisation approaches. So the common denominator is problems solving with modelling and simulation in a way that can be useful also for solving other problems in similar or different areas. Contributions from technical (engineering) areas but also from nontechnical areas are welcome. The list of topics includes (but is not limited to):

M&S Methods and Technologies:

modelling and simulation of complex systems, large scale systems, distributed systems, hybrid systems, hierarchical systems, stochastic systems, control systems, expert systems, adaptive systems, fuzzy systems, decision support systems, knowledge based systems, real time systems, queuing systems; scheduling; parallel processing concepts; high performance computing; modelling and simulation system architectures; neural networks; model validation and verification; simulation life-cycle evolution; genetic algorithms; man-in-the-loop simulation; hardware-in-the-loop simulation; data mining; bond graphs; simulation with Petri nets; discrete event simulation; statistic modelling; component based modelling; object oriented modelling; mathematical/numerical methods in simulation; graphical modelling; visualisation; graphics and animation; modelling and simulation tools; WEB based simulation; human behavior representation techniques; virtual reality and virtual environments; ...
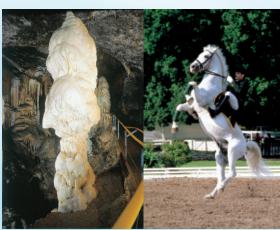
M&S Applications:

aerospace; automotive systems and transportation; agriculture; architecture; biopharmacy/biomedicine/bioinformatics/genomics; business; applied chemistry; civil engineering; communications; ecological and environmental systems; economics/econometrics; education; energy; electrical engineering; geophysical systems; industrial processes; logistics; manufacturing systems; maintenance / reliability; marine systems, materials modelling and simulation, mechanical engineering; mechatronics; meteorology / climate; military systems; organisational processes; power systems, applied psychology; process engineering, social sciences; robotics; seismism; traffic / transportation; training simulators; water management; ...

Congress Venue

The congress will take place in Ljubljana, the capital city of Slovenia, at the Faculty of Electrical Engineering, University of Ljubljana. Participants will visit also Portorož and Piran, two beautiful towns on the Adriatic coast.

University *of Ljubljana*
Faculty of *Electrical Engineering*

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