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VENUE

LSS 2010 will be held at Ecole Centrale de Lille (<http://www.ec-lille.fr>). The Ecole Centrale de Lille lies at the heart of the dynamic and welcoming Lille metropolis, at the crossroads of the main European routes (Paris, London, Brussels). It combines scientific and technical skills with human qualities, which make our students the future players in the economic development of companies. The main goal of the Ecole Centrale is to train high-level multi-disciplinary engineers who each year fill up the management positions in many companies. 1200 students, 100 permanent teaching staff, 230 contractual teaching staff, 350 students per year in initial and continuing education, 25 000 m² of space.



First call for papers

12th LSS Symposium

Large Scale Systems:
Theory and Applications

11th - 14th July, 2010
Villeneuve d'Ascq,
France

<http://lss2010.ulbsibiu.ro>



SCOPE AND OBJECTIVES

The 12th LSS symposium aims to present the state of the art concerning the solving of problems linked to large scale and complex systems and to address to relevant applications areas. The meeting is aimed to discuss new developments in methodologies and techniques useful in handling complexity in the modelling, decision support, control and design of large scale and complex systems.

The methodologies and tools for the complexity analysis are to be among the key issues to be addressed by the Symposium. A number of application areas will be addressed. Special attention will be paid to environmental and educational systems in order to respond to increasing demand on suitable methodologies and tools.

TOPICS

Meeting topics:

- Decentralization
- Intelligent control
- Decision support systems
- Optimization and control technologies for large scale complex systems
- Identification and model reduction
- Dynamics and control of large scale structures
- Hierarchical multilevel and multilayer control
- Modelling and control of discrete event and hybrid systems
- Methodologies and tools for analysis of complexity
- Analysis of heterogeneous knowledge in modelling of large scale complex systems
- Knowledge discovery (data mining) supervisory control
- System thinking education for problem solving in large scale complex systems metaheuristics for the optimisation of complex systems.

Applications to include:

- application of estimation and control to aerospace engineering
- environmental systems
- petrochemical and refinery systems
- marine systems with an emphasis on safety issues

- power systems
- transportation systems
- navigation and control of unmanned autonomous vehicles
- communications systems
- intelligent manufacturing systems
- medical systems
- business systems engineering
- modelling of socio-economic processes
- transnational socio-economic systems
- transnational socio-technical systems
- conflict management and resolution

PAPER SUBMISSION

The material submitted for presentation at an IFAC meeting (Congress, Symposium, Conference, Workshop) must be original, not published or being considered elsewhere. All papers accepted for presentation will appear in the Preprints of the meeting and will be distributed to the participants. Papers duly presented at the IFAC Congress, Symposia, Conferences and Workshops will be hosted on-line on the IFAC-PapersOnLine.net website. The presented papers will be further screened for possible publication in the IFAC Journals (Automatica, Control Engineering Practice, Annual Reviews in Control, Journal of Process Control, Engineering Applications of Artificial Intelligence, and Mechatronics), or in IFAC affiliated journals. All papers presented will be recorded as an IFAC Publication.

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IMPORTANT DATES

Deadline for receipt of draft papers	November, 10, 2009
Second Announcement/ Advance Program distributed	January, 10, 2010
Notification of authors	January, 10, 2010
Final papers and copyright transfer forms returned in camera-ready form or electronically	March, 10, 2010
Paper selection complete	April, 10, 2010
Final Program drawn up	April, 10, 2010
First day of meeting	July, 11, 2010
Last day of meeting	July, 14, 2010

REGISTRATION FEE

Late registration fee	500 EUR
Early registration fee	450 EUR
Student registration fee	250 EUR

(Early registration deadline 01.06.2010)

The registration fee includes

- Participation to symposium works
- The event bag containing the CD of accepted papers
- Banquet
- Welcome cocktail and coffee breaks
- Cultural Event

Contact Person: BORNE Pierre

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