

12th IFAC Symposium on Information Control Problems in Manufacturing

Information control: a complex challenge for the 21st century

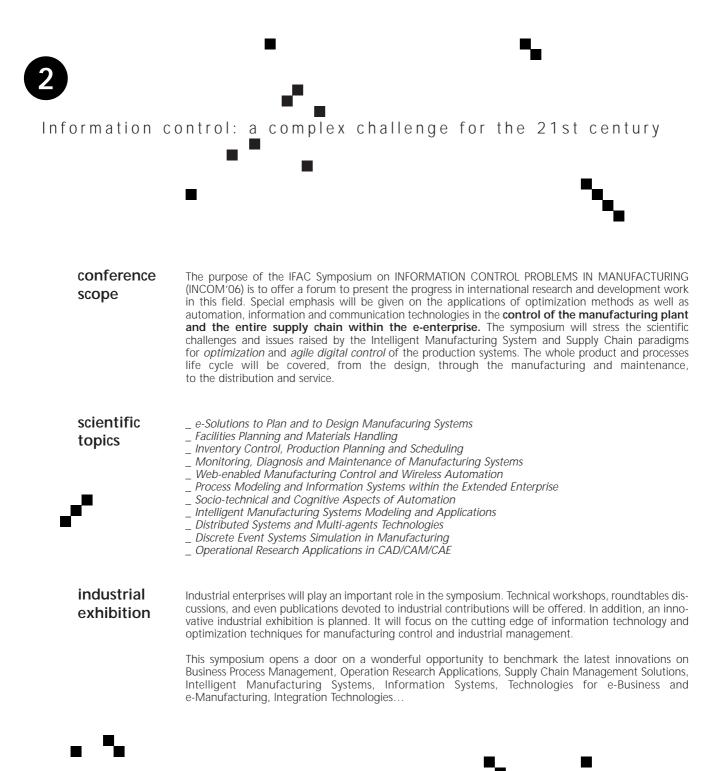








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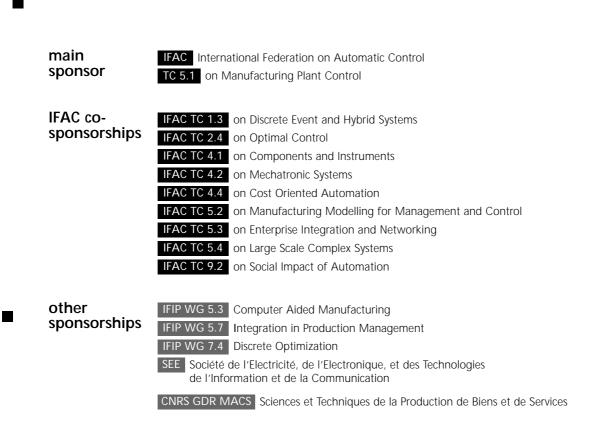
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12th IFAC Symposium on Information Control Problems in Manufacturing



SAINT-ETIENNE FRANCE /

CALL FOR PAPERS

submission of papers

Deadline for paper submission > October 1st, 2005 Submission to special sessions > November 15, 2005 Notification of paper acceptance/rejection > January 6, 2006 Deadline for final version > March 1, 2006

Regular papers (6 pages in IFAC double column format) as well as plenary and survey papers (12 pages in IFAC double column format) will be reviewed by at least two referees. As to regular papers, both academic and industrial oriented communications will be considered. Industrial and scientific contributions will be compiled into several volumes of INCOM06's proceedings. Further submission instructions are available on the website.

preprints and proceedings proceedings

publication in international journals The papers included in proceedings will be further examined for possible publication in the IFAC Journals (*Automatica, Control Engineering Practice, Annual Review in Control, and Engineering Applications of Artificial Intelligence*), or in IFAC affiliated journals (e.g. *Real-Time Systems, Mechatronics*). The papers not considered for IFAC publications will be examined for publication in some Industrial Engineering, Operations Research and Computer Sciences Journals as *International Journal of Production Economics, International Journal of Computer Integrated Manufacturing, Journal of Intelligent Manufacturing and Journal of Mathematical Modelling and Algorithms.* A complete list of journals associated to the symposium is available on the website.

IFAC Journals, and IFAC affiliated journals have priority access to all contributions presented. If the signing author has not been contacted for further publication within three months of the closing date of the symposium, he and his co-authors are free to submit the paper elsewhere, provided that full acknowledgement is given in any subsequent publication to the original IFAC Proceedings and to the INCOM'06 symposium.

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The Ecole Nationale Supérieure des Mines de Saint-Etienne (ENSM.SE) is ranked perennially among the top ten Graduate Engineering Schools in France. Since 1816, the school has been producing elite scientific managers. Based on close links with leading national and international firms, the School is reputed to be one of the major applied research centers in France. Today, the school provides a general engineer cursus structured around six research centers: the Industrial Engineering and Computer Science, Process Engineering, Environmental Engineering, Materials Science, Microelectronics Engineering, and Engineering and Health Division. Because research is fundamentally linked to the raison d'être of the school, it must be competitive, efficient and highly regarded by the scientific community. Publications, scientific and industrial conferences and recognition of our expertise contribute to the school's reputation.

Under the auspices of the Ministry of Industry, the ENSM.SE is entering the 21st century with a dynamic and innovative approach. Recently founded, both the Microelectronics Division in the new site of Gardanne (2003) and the Engineering and Health Division of Saint-Etienne (2004) demonstrate the school's leadership in the forefront of high technology.



Emerging from the previous division SIMMO, the Industrial Engineering and Computer Sciences Division (G2I division) was created on February 2004. The industrial context, characterized by the strong dynamics of change and by novel organizational modes, induces the need for new methods of industrial management. Optimization techniques, communication and information science and technologies are at the heart of this revolution. Directed by Pr. Alexandre Dolqui G2I division of Ecole des Mines de Saint-Etienne is specializing on development of Operational Research, Artificial Intelligence and Management Sciences methods for optimization of production and logistics systems. With a strong industrial technology transfer policy, the research at G2I Division attempts to answer the industrial needs with cooperative and «nimble» solutions which are the keys of the competitiveness. In the field of operational research, G2I division is currently working on new optimization methods for load balancing, new approaches for scheduling and supply planning under lead time uncertainty or novel solutions for the dimensioning of inventory levels and for the selection of equipment. G2I has also developed a high level national expertise on the diagnosis and management of networks of firms and of distributed supply chains. In the field of IT technologies applied to the e-manufacturing process, G2I Division is specialized in multi-agent systems, ambient intelligence and web-based technologies (including semantic web, information retrieval, trust and confidence in numerical documents

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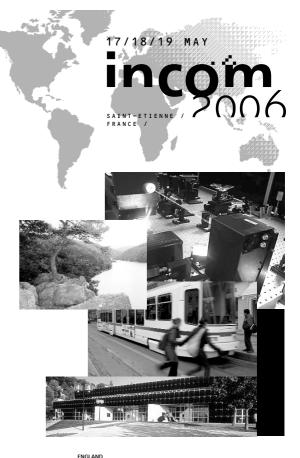
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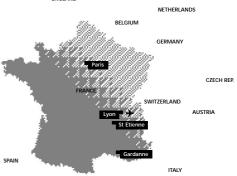
Saint-Etienne, a cultural metropolis at the door of wonderful natural park

The era of coal mining and metal working firmly belongs to Saint-Etienne's past. **The city has clearly evolved towards an economy based on new technologies.** However, the city hasn't forgotten his remarkable industrial history. It is the only city in France selected as historical city for the 19th century. Beyond the Art and Industry National Museum with its unique collection of elaborate weaponry, unusual bicycles and braided ribbons, a complete industrial heritage is there to be visited.

Saint-Etienne does not only have a rich industrial past but an exciting cultural present. Retaining undiminished spirit of daring innovation, the town seems on the verge of becoming the design capital of the world. The design heritage was the impetus behind the creation, in 1998, of the biennial international festival of design, which was an immediate success (150 000 visitors in 2002). With an internationally renowned Modern Art Gallery, Saint-Etienne offers an exceptional cultural center completed with a plethora of cafés, theatres, clubs and restaurants.

Situated at only 60 km from Lyon, Saint-Etienne is at the crossroads of the major French motorways making easily accessible cities like Geneva, Marseilles, Paris and region like the Alps, Drôme and Provence. The region of Saint-Etienne has much to offer. With a town center situated a stone's throw from the Pilat a regional Nature Park, the Forez mountains and the gorges of the River Loire, Saint-Etienne will give you a direct access to wonderful landscape with medieval villages and old stone castles scattered around. In the middle of the regional park, Saint Victor water sport center will give you all the opportunities of sailing, water-skiing or canoeing.







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the 190th anniversary of the INCOM Host > ENSM.SE

Founded during the restoration, the ENSM.SE was created by Royal decree on the 2nd August 1816. The ENSM.SE quickly built a elite school reputation, in the 19th century. Throughout the 20th century, the School did not cease to develop and grow under the auspices of the Ministry of Industry.

In 2006, the IFAC INCOM'06 Symposium will be dedicated to ENSM.SE's jubilee with specific events during the symposium.

Ecole Nationale Supérieure des Mines SAINT-ETIENNE