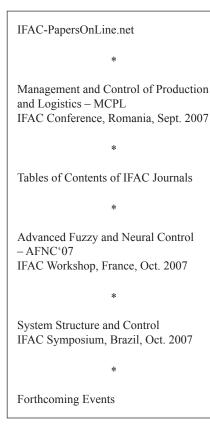


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IFAC-PapersOnLine.net

The development of digital publishing technologies and the universal availability of high-speed Internet connections have opened a wide range of opportunities for the publication of technical papers. IFAC is moving to the leading edge of electronic publishing, following a Council decision in September 2006 to move all its technical publications, including fully reviewed papers presented at IFAC technical meetings, to electronic support on the Internet.

This decision heralds profound changes in the way IFAC meeting publications will now be handled. Printed Proceedings volumes are being replaced by collections of papers available on a web site, called IFAC-Papers OnLine. This web site will provide open access to all fully reviewed papers presented at IFAC events. This dramatically changes the limited distribution provided by the former Proceeding volumes, as it will allow instantaneous visibility of all IFAC technical work across the entire world.

Excitingly, in contrast to the current practice of other engineering societies, papers can be viewed and downloaded by individuals at no cost, which will make IFAC publications truly universally accessible. The new site will support the capability to search for papers based on the paper characteristics or content, and each paper will be uniquely identified by a DOI (Digital Object Identifier) number, the current standard for making electronic papers citeable.

This is probably the most important change in IFAC policies in recent years, and is expected to have a substantial impact on the number and the quality of papers submitted to IFAC meetings, as authors will know that their work will be made available to anyone who is interested. However, it is not without risks. By openly exposing its technical work worldwide, IFAC is making a commitment to maintaining a high level of quality in all its technical events, in order to maintain the value of the "IFAC" brand. It is the joint responsibility of the IFAC Technical Board, the Technical Committees, and the International Programme Committees of all IFAC events to rise to this challenge and to ensure that only high-quality material is published under the IFAC banner.

The new publishing scheme also poses new challenges to the organizers of IFAC events, and especially to event Editors who will now have the additional responsibility for the technical aspects of the electronic publication process.

In the following, we shall provide comprehensive information on the elements of this new and revolutionary website

All papers from IFAC meetings (where IFAC is the main sponsor) will be published, in partnership with Elsevier, the IFAC Publisher, on a dedicated website. The name of the site is IFAC-PapersOnLine.net. All papers published on the website can be cited using the site ISSN, the event ISBN, and the individual paper DOI (Digital Object Identifier).

Main features

The IFAC-PapersOnLine.net web site is an on-line archive including papers from IFAC Symposia, Congresses, Conferences, and most Workshops. The site has been developed as a partnership between IFAC and Elsevier, the IFAC Publisher.

The IFAC-PapersOnLine.net website has the following main features:

- Open Access in nature no charge to individuals for reading or downloading, up to a limit of 25 papers per calendar month.
- All papers actually presented at the meeting are published on the site in PDF format - searchable and citable using the existing IFAC Proceedings ISSN, the event ISBN, and the individual Digital Object Identifiers (DOIs).
- While Elsevier is funding the site creation, maintenance costs will be initially subsidized by the IFAC treasury. The IFAC Council has approved full subsidy until 2010. In the future organisers may be required to pay a small one-time fee per uploaded paper.
- The site is non-profit all money taken into the site will be used for on-going site maintenance.
- Backfiles of IFAC technical meeting papers that are now available in electronic form can be added to the site.

- In addition to providing their papers to the IFAC-PapersOnLine.net, organizers may produce preprints of their meeting in any form and even for later distribution if they wish, provided these materials do not carry an ISBN or any other kind of publication code.
- The IFAC event organisers' guide has been updated to include some changes in the publication procedures reflecting the new structure. A document on publication requirements has been prepared for the use of event editors.

The site will be further tailored to suit the needs of IFAC and additional features such as automated copyright transfer are being considered.

Some of the benefits of the new online archive include:

- Papers can be searched, cited, and individually downloaded.
- Organisers will be given a time-window to submit material to the site which means that organizers can determine when the papers will be released to ensure that conference attendance is not negatively affected. IFAC policy requires that all papers will appear on the site shortly after the meeting at the latest.
- Copyright of all papers will belong to IFAC and must be referenced if derivative journal papers are produced from the conference papers.
- Papers from IFAC meetings prior to 2007 may be added if desired and already in electronic form, provided the review process was organized according to the IFAC rules (full papers have been peerreviewed).

Professor Juan de la Puente Universidad Politecnica de Madrid Editor-in-Chief for IFAC PapersOnLine

The Tables of Contents of the IFAC Journals can be found respectively at

Automatica http://www.elsevier.com/locate/automatica

Control Engineering Practice http://www.elsevier.com/locate/conengprac

Engineering Applications of Artificial Intelligence http://www.elsevier.com/locate/engappai

Journal of Process Control http://www.elsevier.com/locate/jprocont

Annual Reviews in Control http://www.elsevier.com/locate/arcontrol

Management and Control of Production and Logistics MCPL IFAC Conference (4th) Sibiu, Romania, 27 – 30 September, 2007

The 4th International Federation of Automatic Control Conference on Management and Control of Production and Logistics MCPL 2007 took place in Sibiu, Romania, which was one of the two European Capitals of Culture in 2007. The previous Conferences on this subject were held in Campinas Brazil), Grenoble (France) and Santiago (Chile) During the three days of debates, the conference was attended by 134 registered participants from 18 countries (France, Poland, Czech Republic, Algeria, Germany, Slovakia, U.S.A., Belgium, Canada, Chile, Russia, Slovenia, Sweden, Thailand, Turkey, United Kingdom, Vietnam and Romania). They presented a total number of 126 papers. Holonic Manufacturing Systems: from Intelligent Agent to Intelligent Beings

88 papers were distributed over the 6 technical sections, 33 papers in 6 invited sessions with the following subjects:

Advances in Control Methods for Robotics and Manufacturing Systems, Prof.Dr.Ing. Mihail Voicu

Modeling, Control and Supervision, Prof.Dr.Ing. Dumitru Popescu

Knowledge and competence management to support a better product and process life cycle integration, Eric Bonjour and Ioana Deniaud

Research for Enterprise Interoperability Prof. Dr. Ing. Ioan Dumitrache



The five Plenary Papers were presented by the following distinguished scientists and dealt with the subjects as given below:

Prof.Dr. Shimon Y. Nof, Director - PRISM Center; Professor, School of IE, Purdue University, USA

Availability, Integrability, and Dependability -- What are the Limits in Production & Logistics?

Dr. H.C. Hartmut Raffler, Vice-President Siemens AG CT IC, Munich, GERMANY Ambient Intelligence. An Industrial View

Prof.Dr. Alexandre Dolgui, Director, Division for Industrial Engineering and Computer Sciences, Ecole des Mines de Saint Etienne, FRANCE

Operational Research Techniques for Design and Analysis of Lean Manufacturing Systems

Prof.Dr. Pierre Borne, Head of the Automatic Control Department, Ecole Centrale de Lille, FRANCE

Metaheuristics for the optimisation in planning and scheduling

Prof.Dr. Paul Valckenaers, Vice-chair IFAC TC 5.1 Manufacturing Plant Control, BELGIUM Interoperability for Learning Organisation Acad.Prof.Dr.Ing. Florin Filip

Multi-agent Systems in Logistics and Control, Prof. Edward Nawarecki and Prof. Vilem Srovnal

The scientific and research work presented ensured a high overall scientific level of the conference, facilitating the share of insights and perspectives on increasingly important areas of research and advancements in the Management and Control of Production and Logistics areas. Knowledge management, expert systems for manufacturing, robotics, intelligent manufacturing, collaborative control (including multi-agent systems), decision-making systems, were some of the most widely discussed subjects within the conferences. A significant number of papers described practical applications in manufacrturing. The presented papers were published in the conference preprints and CD ROM. As many of the participants stressed, the future of scientific research belongs to interdisciplinary approaches, and from this point of view MCPL 2007 has achieved its goals, bringing an important contribution to the development of scientific knowledge.

Advanced Fuzzy and Neural Control - AFNC'07 IFAC Workshop (3rd) Valenciennes, France, 29 - 30 October, 2007

The 3rd IFAC Workshop on Advanced Fuzzy and Neural Control (AFNC'07) was held at the University of Valenciennes and Hainaut-Cambresis, 29-30 October 2007, Valenciennes, France. The first workshop in the series took place in Valencia, Spain (2001) and the second in Oulu, Finland (2004). The main sponsor of the event was the TC 3.2 Cognition and Control and two other TCs co-sponsored it: TC 4.2 Mechatronic Systems and TC 7.1 Automotive Control.

Local sponsorship came from the GDR MACS of CNRS, Regional Council of Nord-Pas de Calais, GRAISyHM (regional research group in automation), the University of Valenciennes and Hainaut-Cambresis and its LAMIH UMR CNRS 8530 (Laboratory in Automation, Mechanics and Computer Science).

Fuzzy logic and neural networks are still topics of importance in various fields. They belong to the family of computational intelligence methods both from theory and application points of view. After a long period of theoretical developments, applications have started to appear in a significant way. The workshop brought together experts and practitioners from the major soft computing themes and from control systems, signal processing and optimization. The meeting scope and objective were to discuss new developments, ideas and results which allow disseminating knowledge and

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experience in alternative methods and approaches in using fuzzy logic and neural networks in control.

The workshop attracted 50 participants from 17 different countries. From 38 papers received, 28 were accepted and 26 presented at the workshop. The workshop was organized in 6 sessions and two invited lectures. The sessions ranged from theoretical aspects to applications in the field. The 6 sessions were: Vehicle Modeling and Control; Control of Takagi Sugeno Fuzzy Models; Predictive Control; Fuzzy Control and Modeling; Learning and Neural Control; and Adaptive Control. Two distinguished speakers were invited to present an overview of their respective research fields: Recent Advances in Adaptive Neural Network Control, by Professor Shuzhi Sam Ge from the National University of Singapore, Singapore; and Bridging the Gap between Fuzzy and Nonlinear Control; by Professor Antonio Sala from the Valencia Technical University, Spain.

The Workshop provided the opportunity for the junior and senior researchers of the neural and fuzzy communities to meet and exchange ideas and new results, and the comments received from participants were all positive, indicating that the Workshop was a success.

Thierry Marie Guerra, NOC Chair Robert Babuska, IPC Chair

System Structure and Control - SSSC'07 IFAC Symposium Foz do Iguacu, Brazil 17 - 19 October, 2007

The 3rd IFAC SSSC07 was held in South America for the first time, more precisely in Foz Do Iguacu, Brazil, from 17th to 19th October 2007. A total of 156 papers were submitted to this symposium. Submissions came from all over the world. with authors from all 5 continents. Each one of the papers was carefully revised by at least 2 reviewers (most of them had 3 reviews) and has received a final recommendation from one of the 35 IPC members. From among these papers, 120 papers were accepted, 113 were included in the Final Program and 107 were effectively presented during the meeting. The final program of the conference was composed of 21 technical sessions with oral presentation on topics including: linear systems, non-linear systems, algebraic and geometric methods, structural invariants, time-delay systems, switched systems, infinite dimensional systems, parameter estimation, computational methods, robust control, constrained control, predictive control, fault detection, and control applications. In addition to the regular sessions, 3 invited plenary lectures focused on some new results and trends regarding: Applications of Differential Algebra in Systems (by Prof. H. Sira Ramirez), Robust Filtering (by Prof. 1. C. Geromel) and Structure Evolving Complex Systems (by Prof. N. Karcanias). Following the new IFAC policy for the proceedings and for the first time, all the presented works will be electronically available on the IFAC PapersOnLine website.

We are sure that the symposium was an excellent forum for fruitful discussions, future cooperations and also the genesis of new ideas regarding many topics related to the mathematical structures of the systems and the limits they impose on control systems design and performances.

J.M. Gomes da Silva, JR, IPC Chair



FORTHCOMING EVENTS

2008 No. 2 April

Title	2008	Place	Further Information
IFAC Workshop Navigation, Guidance & Control of Underwater Vehicles (NGCUV2008)	April 08 – 10	Killaloe, Co Lare Ireland	http://www.ngcuv08.com/ e-mail: ngcuv08@ul.ie
INSTICC/IFAC Conference Informatics in Control, Automation and Robotics – ICINCO 2008	May 11 – 15	Funchal Madeira Portugal	http://www.icinco.org e-mail: secretariat@icinco.org
10th IEEE/IFAC Workshop	June	Antalya	http://www.mecha.ee.boun.edu.tr/VSS2008/
Variable Structure Systems – VSS'08	08 – 10	Turkey	e-mail: okyay.kaynak@boun.edu.tr
American Control Conference	June	Seattle, WA	http://www.a2c2.org/conferences/acc2008/
– in cooperation with IFAC	12 – 14	USA	e-mail: aanna@mit.edu
17th IFAC WORLD CONGRESS	July	Seoul	http://www.ifac2008.org
	06 – 11	Korea	e-mail: Secretariat@ifac2008.org

FORTHCOMING EVENTS (ctd.)

Title	2008	Place	Further Information
4th IPME/IFAC Conference Structural Control – 4ECSC	September 08 – 12	St. Petersburg Russia	http://www.ipme.ru/ipme/conf/4ecsc e-mail: 4ecsc@director.ipme.ru
EWICS/IFAC Conference Computer Safety, Reliability and Security – SAFECOMP 2008	September 22 – 25	Newcastle upon Tyne UK	http://safecomp2008.org/ e-mail: M-A.Sujan@warwick.ac.uk
IFAC Workshop 9th Intelligent Manufacturing Systems – IMS 2008	October 09 – 10	Szczecin Poland	http://ims08.ps.pl e-mail: ims08@ps.pl
IFAC Workshop 3rd Fractional Differentiation and its Applications – FDA'08	November 05 – 07	Ankara Turkey	http://www.cankaya.edu.tr/fda08 e-mail: fda08@cankaya.edu.tr
IFAC Workshop Logistics	December 05 – 06	Santiago Chile	http:// to be announced e-mail: to be announced
Title	2009	Place	Further Information
IFAC Workshop Programmable Devices and Embedded Systems – PDES 2009	February 10 – 12	Roznov Czech Rep.	http://pdes2009.vsb.cz e-mail: to be announced
IFAC Symposium Information Control Problems in Manufacturing – INCOM 2009	June 03 – 05	Moscow Russia	http:// to be announced e-mail: to be announced
IFAC Workshop 2nd Dependable Control of Discrete Systems – DCDS'09	June 10 – 12	Bari Italy	http://dcds09.poliba.it e-mail: to be announced
IFAC Symposium Robust Control Design – ROCOND	June 16 – 18	Haifa Israel	http://www.technion.ac.il/~rocond09 e-mail: rocond09@technion.ac.il
IFAC/CIGRE Symposium Power Plants und Power Systems	June 28 – July 01	Tampere Finland	http.// to be announced e-mail: to be announced
IFAC Symposium Fault Detection, Supervision and Safety for Technical Processes – SAFEPROCESS	June 30 – July 3	Barcelona Spain	http://safeprocess09.upc.es/ e-mail joseba.quevedo@upc.edu
IFAC Symposium Identification and System Parameter Estimation – SYSID'09	July 06 – 08	St. Malo France	http://www.sysid2009.org/ e-mail: secretariat@sysid2009.org
IFAC Symposium Advanced Control of Chemical Processes – ADCHEM 2009	July 12 – 15	Istanbul Turkey	http://www.adchem09.ku.edu.tr/ e-mail: dburak@ku.edu.tr
IFAC Symposium Modelling and Control in Biological and Medical Systems – /MCBMS 09)	August 12 – 14	Aalborg Denmark	http://wwwmcbms09.hst.aau.dk/ e-mail: mcbms09@hst.aau.dk
IFAC Symposium Robot Control. – SYROCO 2009	September 10 – 12	Gifu Japan	http://www.syroco2009.org/ e-mail: syroco2009_office@syroco2009.org
IFAC Conference Analysis and Design of Hybrid Systems – ADHS 09	September 16 – 19	Zaragosa Spain	http:// to be announced e-mail: to be announced
Title	2010	Place	Further Information
IFAC Symposium Large Scale Systems: Theory and Applications – LSS 2010	July 11 – 14	Villeneuve d'Ascq France	http:// to be announced e-mail: to be announced
IFAC Symposium Mining, Mineral and Metal Processing	August 02 – 04	Cape Town South Africa	http:// to be announced e-mail: to be announced
IFAC Symposium Nonlinear Control Systems – NOLCOS 201	September 01 – 03	Bologna Italy	http://www.nolcos2010.unibo.it/ e-mail: lmarconi@deis.unibo.it
IFAC Symposium Mechatronic Systems	September 13 – 15	Boston, MA USA	http:// to be announced e-mail: to be announced