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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>

Journal on Mechatronics

<http://www.elsevier.com/locate/mechatronics>



IFAC World Congress 2008 Seoul, Korea, July 6 – 11, 2008

Preparations for the 17th IFAC World Congress are well under way. Due to the overwhelming number of requests, the submission deadline was postponed to September 25, 2008 from the initial deadline of September 8. For those authors who have already submitted their work, the submission site will allow editing up until the very last day of submission. All contributions are submitted on the Congress website (<http://www.ifac2008.org>).

The following plenary speakers for the Seoul Congress have been chosen for their experience and reputation in various topics. More details of the speakers' biographies and speeches will soon be available on the Web:

- Roger Brockett (Harvard University, US)
- Xi-Ren Cao (The Hong Kong University of Science and Technology, CN)
- Frank Doyle (University of California, Santa Barbara, US)
- Hidenori Kimura (Institute of Physical and Chemical Research, JP)
- Lennart Ljung (Linköping University, SE)
- Marc Raibert (Boston Dynamics, US)
- Etienne Tarnowski (Airbus, FR)

As of September 13, 92 Invited Sessions were submitted, covering a wide range of topics including semiconductor manufacturing, electronics, networks, mobile industry, and more. Also, 24 Pre-Congress Tutorial and Workshop proposals have been submitted, covering cognition and communication, mechatronics, robotics and components, transportation and vehicle systems, bio & ecological systems, and more.

From among these areas, the Congress has chosen seven fields as Highlight Sessions to emphasize some of the most interesting industries in Korea. In addition to Semiconductor, Display & Electronics Industry, Automotive Industry, Shipbuilding, Ubiquitous Robotic Companion, Life Care Intelligent Robot, Control Education has been selected as another highlight topic on account of its importance in all control fields. This will be a great opportunity to establish global connections with Korea's major companies.

Video Sessions are a new area at the 17th World Congress. Authors of accepted videos will show their videos but will also have the opportunity to give a presentation to briefly explain their work and answer questions in person. The accepted videos will be published in DVD and will be available during and after the Congress. All files must be under 3 minutes in length and 100MB in size, in MPEG format. No video submission may be for commercial purposes.

The Korean National Member Organization of IFAC will do its best to give warm hospitality to all participants. We are also preparing exciting events for participants, including a special exhibition for robotic research, an exceptional banquet, technical tours to facilities of Samsung, Hyundai Motor, Pohang Iron and Steel Company (POSCO), and many more, and also social tours to some of the most beautiful and interesting cultural sites of Korea.

The Congress venue, COEX (Convention and Exhibition Center), is excellent. All rooms are equipped with LCD displays that can easily display program schedules and other information. Also, every participant will have access to a fast and convenient Internet connection.

Authors of accepted contributions will be notified of their acceptance by December 15, 2007. Once accepted, the authors will be able to register online at the Congress website (<http://www.ifac2008.org>). Full registrations fee for the 5 day Congress is USD 550 (USD 650 after April 10, 2007) and Student/Retiree registration fee is USD 250 (USD 300). If you plan to register as a retiree, please contact the IFAC World Congress'08 Secretariat (secretariat@ifac2008.org). All registrations include participation in the Opening/Closing Ceremony, Welcome Reception, Farewell Party and Congress Publication (including the final program and CD-ROM). However, the banquet is covered only by the full registration. For more details on the registration process, please visit the registration webpage <http://www.ifac2008.org/Submission10.html>

For those authors who may need financial support to participate in the Congress, two types of aid are provided. One may apply for only one of the two options. First, The IFAC Foundation will provide aid to the young authors of accepted technical papers. The must be citizens of developing countries that are listed on the website and less than 30 years old at the time of the conference. The other aid is a special fund created by Korean industries to support students from developing countries of Asia. Further details and the application form are found on the Congress website (<http://www.ifac2008.org>).

Following the IFAC World Congress 2008, the CCC 2008 (Chinese Control Conference) and the Beijing 2008 Olympic Games will take place in July and August respectively, providing an additional incentive to combine a visit to Korea with one to China.

Informatics in Control, Automation and Robotics

ICINCO 2007

INSTICC/IFAC Conference (4th)

Angers, France, 9 – 12 May, 2007

The 4th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2007) was held at the University of Angers from 9 to 12 May, 2007. With more than 300 persons attending the conference, ICINCO has now consolidated as a major international forum to debate technical and scientific advances presented by researchers and developers both from academia and industry, working in areas of Control, Automation and Robotics that require Information Technology support.

The conference was co-organized by INSTICC (The Institute for Systems and Technologies of Information, Control and Communication) and the University of Angers, through LISA (Laboratoire d'Ingénierie des Systèmes Automatisés) of ISTIA. It was co-sponsored by IFAC (International Federation of Automatic Control), GdR MACS (Groupe de Recherche Modélisation, Analyse et Conduite des Systèmes Dynamiques), CNRS (Centre Nationale de la Recherche Scientifique) and the EEA (Club des Enseignants et des Chercheurs en Electronique, Electrotechnique et Automatique). Furthermore, the conference was held in cooperation with the AAAI (Association for the Advancement of Artificial Intelligence).

The ICINCO 2007 Conference Program included oral presentations (full papers and short papers) as well as posters, organized in three simultaneous tracks: "Intelligent Control Systems and Optimization", "Robotics and Automation" and "Systems Modeling, Signal Processing and Control". Furthermore, ICINCO 2007 included 2 satellite workshops and 3 plenary keynote lectures, given by internationally recognized researchers.

The two satellite workshops held in conjunction with ICINCO 2007 were: the Third International Workshop on Multi-Agent Robotic Systems (MARS 2007) chaired by Joaquim Filipe and the Third International Workshop on Artificial Neural Networks and Intelligent Information Processing (ANNIIP 2007) chaired by Kurosh Madani.

The three plenary keynote lectures were the following:

- "Real Time Diagnostics, Prognostics, & Process Modelling" delivered by Dimitar Filev, The Ford Motor Company, U.S.A. who is member of the Board of Governors of the IEEE SMC and President of the North American Fuzzy Information Processing Society (NAFIPS).
- "Synchronization of Multi-Agent Systems", delivered by Mark W. Spong, University of Illinois at Urbana-Champaign, U.S.A. (past IEEE CSS President)
- "Toward Human-Machine Cooperation", delivered by Patrick Millot, Université de Valenciennes, France.

As additional points of interest, it is worth mentioning that the Conference Program included a plenary panel on the theme "Practical Applications of Intelligent Control and Robotics" chaired by Janan Zaytoon and 3 Special Sessions focused on narrower topic areas, namely: "Fractional Order Systems" chaired by Samir Ladaci, from IRCCyN, France; "From Planning to Control of Manufacturing Systems", chaired by Jean-Louis Boimond, from LISA, Angers, France and Jean Jacques Loiseau, from IRCCyN Nantes, France; and "Intelligent Vehicle Control Systems",

chaired by Oleg Gusikhin, from Ford Research & Adv. Engineering, U.S.A.

ICINCO received 435 paper submissions, not including workshops, from more than 50 countries, on all continents. To evaluate each submission, a double blind paper review was performed by the program committee, whose members are researchers in one of ICINCO main topic areas.

Finally, only 263 papers were published in these proceedings and presented at the conference; of these, 195 papers were selected for oral presentation (52 full papers and 143 short papers) and 68 papers were selected for poster presentation. The oral paper acceptance ratio was thus 45% and the full paper acceptance ratio was 12%. After the conference, some authors were invited to publish extended versions of their papers in a book that will be published by Springer-Verlag including the best papers of ICINCO 2007.

A "best paper award" was given to the author(s) of a full paper presented at the conference, selected by the Organizing Committee based on the best combined marks from the Program Committee and Session Chairs.

Selected paper: Comparing a Tabu Search Process – Using and Not Using and Intensification Strategy to Solve the Vehicle Routing Problem
Etiene Pozzobom Lazeris Simas and Arthur Tórgo Gómez

A "best student paper award" was given to the author(s) of a paper whose first author and presenter is a student and has the best combined marks from the Program Committee and Session Chairs.

Selected paper: A Multi Criteria Evaluation over a Finite Scale for Maintenance Activities of a Motorway Operator
Céline Sanchez, Jacky Montmain, Marc Vinches and Brigitte Mahieu

Both awards were announced at the conference closing session.

The conference proceedings were indexed by ISI ProceedingsSM, INSPEC and DBLP.

In order to promote the development of research and professional networks the conference included in its social program a Town Hall Reception in the evening of May 9 (Wednesday) and a Conference and Workshops Social Event & Banquet in the evening of May 10 (Thursday).

Commitment to high quality standards is a major aspect of ICINCO that the organizers will strive to maintain and reinforce next year, including the quality of the keynote lectures, of the workshops, of the papers, of the organization and other aspects of the conference. We look forward to seeing new results of R&D work in Informatics, Control, Automation and Robotics at ICINCO 2008, next May, at Madeira, Portugal.

Janan Zaytoon, CReSTIC, URCA, France
Juan Andrade Cetto, Institut de Robòtica i Informàtica Industrial, CSIC-UPC, Spain
Jean-Louis Ferrier, Université d'Angers, France
Joaquim Filipe, Polytechnic Institute of Setúbal / INSTICC, Portugal

Control of Distributed

Parameter Systems

IFAC Workshop

Namur, Belgium, July 24 – 26, 2007

This workshop was the fifth meeting of a series started in 1998 (Leeds, UK, September 2nd - 11th, 1998). The three other meetings were organised in 2001 (University of Twente, Enschede, The Netherlands, July 2nd - 6th, 2001), 2003 (University of Exeter, UK, July 14th - 18th, 2003), and 2005 (University of Waterloo, Canada, July 25th - 29th, 2005) respectively. Distributed parameter systems (DPS) is an established area of research in control which can trace its roots back to the sixties. While the general aims are the same as for lumped parameter systems, to adequately describe the distributed nature of the system the use of partial differential equation (PDE) models is needed. The modelling issue is in itself nontrivial, especially when there is boundary control action and sensing on the boundary. Controllability and observability concepts are subtle and investigating these for a single PDE example leads to a sophisticated mathematical problem. The action of controlling the system introduces feedback into the PDE model which results in a more complicated mathematical model; the resulting closed-loop system may not be well-posed and this issue has only quite recently become well understood. At this stage, the mathematical machinery for formulating the basic control problems is available (although not so well known), and this has led to a wealth of new system theoretic results for DPS. The aim of this workshop is also to bring together scientists who are all studying distributed parameter systems, but from different points of view and possessing different types of expertise. It gathered 45 attendees in a very studious yet colloquial atmosphere. The format (one session, 35 minutes per paper) allowed lively and interactive discussions which continued over the coffee breaks and the lunches.

Denis Dochain

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We encourage reprinting in national and local automatic control periodicals.

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FORTHCOMING EVENTS

2007
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Title	2007	Place	Further Information
IFAC Conference Cost Effective Automation in Networked Product Development and Manufacturing	October 02 – 05	Monterrey Mexico	http://cidyt.mty.itesm.mx/ifac-CEA07 e-mail: IFACcea07.mty@servicios.itesm.mx
IFAC Symposium Computational Economics & Financial Systems	October 09 – 11	Istanbul Turkey	http://www.ifac-cefis.org/ e-mail: contact@ifac-cefis.org
IFAC Symposium System Structure and Control – SSSC 2007	October 17 – 19	Foz do Iguacu Brazil	http://sssc07.ece.ufrgs.br/ e-mail: sssc07@ece.ufrgs.br
IFAC Workshop Advanced Fuzzy and Neural Control	October 29 – 30	Valenciennes France	http://www.univ-valenciennes.fr/congres/afnc07/ e-mail: afnc07-chair@univ-valenciennes.fr
IFAC Workshop Fieldbus and Networks in Industrial and Embedded Systems – FeT 2007	November 07 – 09	Toulouse France	http://www.fet2007.org/ e-mail: contact-fet2007@laas.fr
IFAC Workshop Manufacturing Modelling, Management and Control – MIM 2007	November 14 – 16	Budapest Hungary	http://www.conferences.hu/mim2007 e-mail: mim2007@conferences.hu
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 Intl. Workshop Variable Structure Systems – VSS'08	June 08 – 10	Antalya Turkey	http://www.mecha.ee.boun.edu.tr/VSS2008/ e-mail: okyay.kaynak@boun.edu.tr
American Control Conference – in cooperation with IFAC	June 12 – 14	Seattle, WA USA	http://www.a2c2.org/conferences/acc2008/ e-mail: aanna@mit.edu
17th IFAC WORLD CONGRESS	July 06 – 11	Seoul Korea	http://www.ifac2008.org e-mail: Secretariat@ifac2008.org
4th IPME/IFAC Conference Structural Control	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
Title	2009	Place	Further Information
IFAC Symposium Fault Detection, Supervision and Safety for Technical Processes – SAFEPROCESS	June 30 – July 3	Barcelona Spain	http://www-esaiiterrassa.upc.es/safeprocess2009/ 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@irisa.fr
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 Robot Control. – SYROCO 2009	September 10 – 12	Gifu Japan	http://www.syroco.org e-mail: syroco2009_office@syroco2009.org
Title	2010	Place	Further Information
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 2010	September 01 – 03	Bologna Italy	http://www.nolcos2010.unibo.it/ e-mail: lmarconi@deis.unibo.it

IFAC Fellows

The IFAC Fellow Award is given to persons who have made outstanding and extraordinary contributions in the field of interest of IFAC, in the role as an Engineer/Scientist, Technical Leader, or Educator.

The first Fellows were appointed at the IFAC World Congress in Prague in July 2005.

Call for Fellow Nominations 2008 TO IFAC FELLOW NOMINATORS

If you plan to submit an IFAC Fellow Nomination, please find instructions below to assist you in this nomination process. Strict adherence to this procedure is essential; otherwise, a candidate may be placed at a serious disadvantage and possibly even excluded from consideration.

Nominator

Any person is eligible to serve as a nominator with the exception of members of the Fellows Selection Committee (FSC), and IFAC Council Members. The nominator is responsible for the information provided. The nominator is asked to read the Nominator Information to be found on the IFAC website at http://www.ifac-control.org/awards/Nominator_Information.doc. He/she is then to complete the Nomination Form downloadable at http://www.ifac-control.org/awards/2_Fellow_Nom_Form.doc according to the requirements given below and to alert the persons given as references that they have been named referees.

Fellow Nominations must reach the IFAC Secretariat (by e-mail: secr@ifac.co.at) by

December 31, 2007

Fellow Candidates

The IFAC Fellow award provides a distinction of excellence in the Federation and is conferred to a small number of outstanding scientists or engineers by the IFAC Council, based on the proposal of the Fellow Selection Committee (FSC). The FSC Committee shall consider:

1. Outstanding and extraordinary individual contributions in the fields of interest of IFAC in the role as an Engineer/Scientist, Technical Leader or Educator. These achievements shall be recorded as technical publications, patents, reports, systems products or/and applications, services or/and proven teaching activities.
2. Opinions of Fellow references.
3. Involvement in IFAC activities.

Any control scientist or engineer can be a candidate for the IFAC Fellow position. Exceptionally, he/she could have no prior involvement in IFAC activities, if he/she is very outstanding, but he/she should become involved in IFAC after becoming a Fellow. Current members of the Fellow Selection Committee (FSC) are not eligible to be considered as Fellow Candidates; in addition, the President and President-Elect of IFAC are not eligible to be nominated/considered for selection as Fellows, but other IFAC Council members could be nominated and selected. In this case, any candidate Council Members would be obliged to excuse themselves from any form of participation in any selection process of IFAC Fellows.

References

A nomination must be supported by at least three, but no more than five references from internationally reputed experts in the field who are aware of the Candidate's contributions. It is to be noted that the choice of references is important for the success of the candidate's nomination. Members of the IFAC Council and the Fellow Selection Committee are not eligible to serve as referees. If you have been asked to act as reference, please read the Reference Information at http://www.ifac-control.org/awards/Reference_Info07.rtf and complete the Reference Form downloadable from http://www.ifac-control.org/awards/4_Fellow_Ref_Form.doc

Fellow References must reach the IFAC Secretariat (by e-mail: secr@ifac.co.at) by

February 1, 2008

New Fellows Announcement

The election of newly elected Fellows will be announced shortly after the completion of the selection process carried out by the IFAC Council. IFAC will inform all candidates and their nominators of the election results by e-mail and/or first class mail. Nominators of unsuccessful candidates will be notified by e-mail and/or first class mail.