International Federation of Automatic Control Secretariat: Schlossplatz 12, A-2361 Laxenburg, Austria Phone (+43 2236) 71 447, Fax (+43 2236) 72 8 59, E-mail: secr@ifac.co.at – URL: http://www.ifac-control.org

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IIASA/IFAC Conference Austria, December 2006

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

Journal on Mechatronics http://www.elsevier.com/locate/mechatronics

IFAC Council- and Related Meetings

in conjunction with the IFAC Symposium Automatic Control in Aerospace

Toulouse, France, 25 – 28 June, 2007

This year's Council and Related meetings took place in Toulouse, France from 25 - 29 June, in conjunction with the 17th IFAC Symposium on Automatic Control in Aerospace, upon invitation of the French National Member Organization. The French hosts, represented by Prof. Janan Zayton, Chair of the French NMO and Chair of TC 1.3 on Discrete Event and Hybrid Systems and Dr. Serge Boverie Coordinating Committee Chair of CC 4 (Mechatronics, Robotics and Components) very graciously provided excellent facilities for the IFAC meetings.

A special ceremony for the newly elected Fellows took place the evening preceding the Council meeting. In the beautiful setting of the Fondation Bemberg, the IFAC President, together with János Gertler, member of the Fellow Selection Committee presented the certificates and Fellow needles.

The Council meeting on June 29 as such was preceded by several days of intensive discussions, concentrating, in particular, on the future publications policy of IFAC. This form of publishing IFAC papers in the future and of providing free access to the control community will be revolutionary. More details on this exciting new venture can be found on page 2.

Other items on the Council agenda were

Technical Board Report

IFAC's main asset – its technical meetings – are in excellent shape. Since the last meeting of the Technical Board in Heidelberg, the TB has been involved in 34 events. 32 events are planned, 21 will occur during the remainder of the triennium. Average participation in the 26 events on the Masterplan is at 130.

Great care is taken that all technical activities are regularly evaluated. To do this, each of the 40 Technical Committee Chairs annually provides a report, which, in turn, is put into the perspective of the overall development within a broader area by the Coordinating Committee Chairs. The resulting picture is then discussed within the Technical Board Meeting, conclusions are drawn and the required consequences taken.

On the administrative level of the Technical Board, important developments have also taken place, which are perhaps not so visible, nevertheless necessary, to make operations even smoother. Thus, for instance, the Technical Board has its own website and can now evaluate and approve meeting proposals online. The process for a webbased proposal system for new Technical Committee Chairs for the 2008-2011 Triennium has been started.

Executive Board Report

Quite naturally, the report focused very much on the new publication activities, but also other items were of great interest. Thus, the prospective award winners for the major IFAC awards presented at the World Congress are proposed to the Council and then voted on.

The result of this vote was as follows:

The 2008 Giorgio Quazza Medal will be awarded to

Professor Graham Goodwin

The 2008 Nathaniel B. Nichols Medal will be awarded to

Professor Gerd Hirzinger

IFAC congratulates and will publish more details on both distinguished winners in the next issue of the IFAC Newsletter.

Congress Venue 2014

Already at last year's Council meeting in Heidelberg, several NMOs made a first round of presentations applying to host the 19th IFAC World Congress in 2014. As a result of this first round, two of the applying National Member Organizations were invited to make a presentation at the Council meeting in Toulouse. Both presentations were excellent and worthy of being selected. But, of course, there can only be one winner. Thus, IFAC is happy and proud to announce the organizer of the 19th IFAC World Congress 2014:

The South African Council of Automatic Control – SACAC will host the 19th IFAC World Congress in Cape Town, South Africa. It is the first time in the history of IFAC that a World Congress will take place in Africa. And with South Africa as the venue, IFAC World Congresses will have taken place on all five continents of the earth.

Professor Ian Craig is promoted to be President of IFAC for the 2011 - 2014 Triennium. He has long been active in IFAC in the most varied positions and knows IFAC and the control engineering community very well. The South African Congress, among others, intends to put special emphasis on ecological issues, in particular also the reduction of CO, emissions.

17th IFAC World Congress Seoul, Korea, July 6 – 11, 2008

Preparations for the Congress are well on track. The paper submission site on the Congress website at http://www.ifac2008.org/ is now open and all prospective authors are invited to submit their papers.

Professor Wook Hyun Kwon, IFAC President, received the "Highest Scientist and Engineer Award" from the Korean Ministry of Science and Technology on April 20, 2007. This award includes a financial prize. Professor Kwon says that he plans to donate portions of this prize money to the IFAC World Congress 2008 in Seoul to help make the Seoul Congress even more successful. In March 2007 Professor Kwon was elected to a three-year term as Vice-President of the Korean Academy of Science and Technology.

Technical Visits

The participants in the Council and Related Meetings used the opportunity of their stay in Toulouse to visit the Siemens plant and to make a tour of the Airbus site, getting a first glimpse of the Airbus 380. These visits were organized and hosted by Dr. Serge Boverie, together with Professor Janan Zaytoon, Both visits were most informative and at the same time enjoyable.

K. Schlacher

Automatic Control in Aerospace IFAC Symposium (17th) Toulouse, France, 25 – 29 June, 2007

It was a great pleasure for me to welcome the participants and the guests of honour to the 17th IFAC Symposium on Automatic Control in Aerospace (ACA) held in Toulouse, France, from June 25 to June 29, 2007. The President of IFAC Wook-Hyun Kwon honoured this event by participating in the opening session and making a brief statement

The symposium has successfully met its objective of providing a pleasant and stimulating place were science, technology and creativity interacted. This was due to the motivation of the participants, the quality of the presentations and the technical visits. Indeed, this event gathered 253 participants coming from 30 different countries.

The technical programme of ACA 2007 contained 150 contributed papers which were selected from a total of 220 submissions. The papers covered a broad range of topics including every aspect of dynamics, control and mission control of aero-nautical and space-related systems: spacecrafts, launchers and re-entry vehicles, missiles, unmanned aerial vehicles, aircraft, helicopters, nano-aerospace vehicles and robotics. All the papers were reviewed, even the invited ones. According to the results of the reviewing process, they were distributed over 11 regular sessions, 9 poster sessions and the 5 invited session proposals which put interesting new applications into focus.

Three distinguished experts were invited to deliver plenary talks within the main scope of the symposium. On Monday 25, in the first industryoriented plenary session, chaired by Marc Pe-legrin, the paper "On Flight Control Challenges in Ultra Large Aircraft" was delivered by Etienne Tarnowski (Airbus- France) who has been a test pilot with Airbus since 1982. On Tuesday 26, during the second, more theory-oriented, plenary session, chaired by Vladimir Kucera, the plenary paper "Steady state Behaviors in Nonlinear Systems, with an Application to Robust Disturbance Rejection", was presented by Alberto Isidori (Univ. La Sapienza, Italy, and Univ. Washington, St Louis, USA) one of the most outstanding scientists on automatic control science and engineering. Wednesday the plenary session was chaired by Eveline Gottzein and started with the attractive plenary talk "Control and Estimation Challenges for Drag-Free Systems with Cubic Test Masses" given by Walter Fichter (EADS-Astrium, Germany) who has been project manager of the drag-free control system of LISA Pathfinder, the mission planned for the near future.

For the first time, the aerospace TC decided to organize a best student paper award session. The session was a great success with a high number of excellent presentations on various student projects. The Aerospace TC is grateful to "The Air and Space Academy of Toulouse" for their sponsorship. The criteria for the award were the highest technical quality and a good oral presentation. For this purpose, the 10 papers, scored best by the reviewing process, were considered first and the papers by French students were removed since France hosts the Symposium. The selecting committee thus re-reviewed the remaining written papers in order to get a shortlist of 3 finalists. The winners were determined on the basis of the oral presentations. Finally, two papers could be awarded with the "Best Paper Award" in a small ceremony: the first one is entitled "Tokyo tech nanosatellite CUTE-1.7+APD flight operation results and succeeding Satellite" presented by Ken Fujiwara (Tokyo Inst. of Tech., Japan) and the second one is entitled "Trajectory tracking H, controller for autonomous helicopters: an Application to industrial chimney inspection" presented by Bruno Guerreiro (Inst. Superior Tecnico, Portugal).

Besides, two meetings of the Technical Committee on Aerospace took place during the Symposium. Of the presentations at the Symposium, about 30 papers have been recommended by the session chairs and the TC members for potential publication in the IFAC Journals (Control Engineering Practice, Automatica,) and IFAC Affiliated Journal (Space Technology).

According to the comments received, this event has turned out to be a memorable one. This series of Symposia, which started in 1965, is continuing under the umbrella of the IFAC Technical Committee on Aerospace (TC7.3) which was founded in 1963 and which plays an important role. The next Symposium will be held in Japan, from September 6 to September 10, 2010. Some related forthcoming events in the updated home page of IFAC-TC7.3 at

http://www.supelec.fr/invi/ifac/

As the IPC Chair of the Symposium and Aerospace TC Chair, I would like to thank all the many individuals for their efforts, all the authors, the reviewers, the participants, the session chairs and co-chairs and the local organizing team.

> Houria Siguerdidjane, IPC Chair Chair of IFAC TC on Aerospace Houria.Siguerdidjane@supelec.fr

IFAC-PapersOnLine Progress Report

The status of the IFAC-PapersOnLine initiative was reviewed at the IFAC meetings which were held in Toulouse in the week of 25–29 June, 2007. Several documents were approved, and an open presentation session was held, which provided an opportunity for the main characteristics of the new publication process to be discussed.

Publications requirements

The IFAC Publications Committee approved a new set of requirements for publication of papers presented at IFAC meetings on the IFAC-Papers OnLine site. The main changes with respect to current practice are:

- A new paper layout has been developed, which will allow for better usage of the available page space.
- space.
 Papers can only be provided in PDF format. In order to ensure portability and worldwide accessibility, the file format must comply with some special requirements (e.g. all fonts have to be embedded), basically equivalent to the PDF/A standard for document archiving.
- Paper and conference metadata will have to be provided in order to make paper search efficient.

The only publication resulting from an IFAC meeting will be the papers posted on the IFAC-PapersOnLine site. Preliminary materials provided to the participants —traditionally known as preprints— may be freely distributed or even sold, but cannot carry any publication mark, such as an ISBN or code bar.

IFAC-PapersOnLine will host papers from all kinds of meetings, including Workshops. In this case, the review process will have to comply with the same requirements as Symposia and Conferences, particularly peer-review of full draft papers instead of abstracts.

The publications requirements document, as well as a new set of instructions for authors, will shortly be posted on the IFAC web site.

Update of Organizers' Guide

The IFAC Technical Board approved an update of the IFAC Event Organizers' Guide, taking into account the new publication process for IFAC-PapersOnLine. The updated document will be posted on the IFAC web site.

Technical progress

The actual IFAC-PapersOnLine web site is currently under construction, and is expected to begin operation in the next few months. Elsevier is organizing the upload of papers presented at IFAC technical meetings held in 2005 and 2006.

Financial Issues

At the Council meeting in Toulouse, it was agreed that the costs of IFAC-PapersOnLine, from the time of its inception until the end of 2009, will be covered in part by the IFAC Publisher Elsevier and in part by the IFAC Treasury, i.e. no cost will be charged to meeting organizers for having papers uploaded on IFAC-PapersOnLine. This policy will be reviewed in 2010. It was also agreed that each individual user should have free access to papers published on IFAC-PapersOnLine, up to an upper limit which is expected to range between 20 and 50 downloads per calendar month.

> Alberto Isidori President-Elect

Juan de la Puente Editor-in-Chief, IFAC-PapersOnLine

Mechatronic Systems -MECHATRONICS'06 IFAC Symposium (4th) Heidelberg, Germany 12 – 14 Sept. 2006

The 4th Symposium on Mechatronic Systems - MECHATRONICS 2006 - was held in Heidelberg, Germany, from 12th - 14th September 2006 as the scientific frame for the 50th anniversary of IFAC. The symposium has given an excellent overview on the state of the art of mechatronics research and development with 3 plenary lectures, 28 oral sessions and 1 poster session and it has attracted 264 attendees from 31 countries. The broad scope of applications from nano level up to machine and vehicle level has clearly shown the key role of automatic control in the sense that "mechatronics is much more than control, but there is no mechatronics without control". Many contributions have shown the increasing importance of the system building aspect of mechatronic systems: smart mechatronic components are assembled to bigger and more complex systems, showing increased functionality and interfaces at both physical and information level. This tendency was reflected also by plenary lectures given by distinguished frontier researchers: Sebastian Thrun, Stanford University, USA, with "Winning the DARPA Grand Challenge", Heinz Leffler, BMW Munich, Germany, with "State of the Art and Future Prospects of Automotive Application of Mechatronic Systems" and J. H. Oh, KAIST, Korea, with the "Development of the Humanoid Robot HUBO". Another systems related aspect gained increasing importance at this symposium: methods & tools for mechatronics system development, which support industrial mechatronics community for improved development life cycles for advanced mechatronic products.

The symposium best paper award was given to P. Dolcini et al. for "Lurch Avoidance Strategy and its Implementation in AMT Vehicles" and the young authors best paper award was given to G. Schitter et al. for "Design and Characterisation of a Novel Scanner for High-Speed Atomic Force Microscopy".

Klaus Janschek, IPC Chair

New Approaches in Dynamic Optimization to Assessment of Economic and Environmental Systems

IIASA/IFAC Conference Laxenburg, Austria 5 – 7 December 2006

The workshop was organized and co-sponsored by IIASA's Dynamic Systems Program and by the IFAC Technical Committee on Optimal Control (TC 2.4).

This small-scale interdisciplinary workshop, at which control-theorists, game-theorists, economists and environmental modelers got together, was aimed at

- presenting significant issues from areas of economic, environmental sciences and social systems, which may initiate development of new mathematical methods
- demonstrating examples of modern mathematical techniques applicable or potentially applicable to assessment of economic, environmental and social dynamics
- identifying new methodological challenges inspired by general phenomena (conflict, cooperation, adaptation, multi-agent systems, etc.)

A special focus was on new approaches in dynamic optimization and on new applications to large-scale economic and environmental management problems. The participants discussed theoretical challenges arising in optimal control, dynamic games and in various applied studies on uncertain dynamical systems. 29 experts coming from nine countries participated in the Workshop. 22 lectures were presented in four technical sessions:

Estimation/Control Techniques and Economic/ Environmental Applications;

Games, Stochastic Decisions and Socio-Economic Applications;

Perspectives in Economic Applications; and

Dynamical Systems: Methodological Challenges

The Estimation/Control Techniques and Economic/Environmental Applications section was opened by the lecture on theoretical analysis of models of optimal production and maintenance by Helmut Maurer (Westfälische Wilhelms-Universität Münster, Germany). Rodolfo Soncini Sessa (Politecnico di Milano) spoke about integration, participation and optimal control approaches in water resources planning and management. Alexander Tarasyev (IIASA) presented a recent work on assessment of stochastic solutions in problems of optimal timing. An approach to joint international emission trading management and optimization of environmental data was presented by Stefan Pickl (University of Bundeswehr, Munchen). Recently developed applications of the Pontryagin maximum principle to optimal economic growth problems were discussed by Sergey Aseev and Arkady Kryazhimskiy (IIASA). Hans Josef Pesch (University of Bayreuth, Germany) spoke about identification of switching structures in optimal control and its application to microeconomy. Sabine Pickenhain (Brandenburg Technical University of Cottbus, Germany) presented a study on infinite-horizon optimal control problems and their economic applications. Alexey Davydov (IIASA) presented recent results on optimization of a carrying capacity in shellfish production.

Albert Shiryaev (Steklov Institute of Mathematics, Russian Academy of Sciences, Moscow) opened the Games, Stochastic Decisions and Socio-Economic Applications section with his lecture on minimax criteria in quickest detection problems. Aziz Guergachi (Ryerson University, Toronto, Canada) gave a lecture on systems models and learning machines. Anatolii Kleimenov (Institute of Mathematics and Mechanics Ural Branch, Russian Academy of Sciences, Ekaterninburg) presented a solution method for non-antagonistic positional three-person differential games. Nikolay Grigorenko (Moscow State University) spoke about decisionmaking patterns in processes of collision avoidance.

In the Perspectives in Economic Applications section, Sergei Shybayev (Imperial College, London, United Kingdom) presented a study on the construction of Pareto-optimal outcomes in a multi-party informationally-decentralized environment. Christophe Deissenberg (University of Aix-Marseille II, Les Milles, France) presented the EURACE project on development of an agent-based software platform for designing the European economic policy. A project on socioeconomic benefits from global Earth observations was presented by Michael Obersteiner and Alexey Smirnov (IIASA). The lecture on emission games with Poisson technological change, given by Tapio Palokangas (University of Helsinki) closed the session.

The Dynamical Systems: Methodological Challenges section started with the lecture on suboptimal feedback control design by Boris Mordukhovich (Wayne State University, USA). Vladimir Tikhomirov (Moscow State University) spoke about foundations of optimal control. Alexander Kurzhanski (University of California at Berkeley and Moscow State University) gave a lecture on the dynamic and control of hybrid

a lecture on the dynamic and control of hybrid systems. John Casti (IIASA) concluded the session with his lecture on new challenges in control theory.

Workshop proceedings are planned to be published as the special issue of an international journal "Applied Mathematics and Computation" (Editors: Helmut Maurer, Tapio Palokangas and Alexander Tarasyev).

Arkady Kryazhimskiy, IPC Chair Alexey Davydov, NOC Chair

This Newsletter may be reproduced in whole or in part.

We encourage reprinting in national and local automatic control periodicals.

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Pictures from the Council and Related Meetings and the IFAC Symposium on Automatic Control in Aerospace in Toulouse, France, June 25 – 28, 2007

Presentation of IFAC Fellow Awards



Opening of the IFAC Symposium "Automatic Control in Aerospace"



Plenary Lecture: E. Tarnowski; Chair: M. Pelegrin



Technical Visit to Siemens Plant



V. Kucera receiving Fellowship from J. Gertler and W.H. Kwon



IFAC Fellows C. Georgakis, W. Marquardt, T. McAvoy



The IFAC Family after the Fellow Awarding Ceremony



FORTHCOMING EVENTS

Title	2007	Place	Further Information
IFAC Symposium 5th Advances in Automotive Control	August 20 – 22	Seascape Resort Aptos, CA USA	http://aac2007.stanford.edu/ e-mail: roelle@stanford.edu
IFAC Symposium 12th Automation in Mining, Mineral and Metal Processing – MMM	August 21 – 24	Quebec City Canada	http://www.gch.ulaval.ca/ifacmmm07/ e-mail: ifacmmm07@gel.ulaval.ca
IFAC Symposium 7th Nonlinear Control Systems – NOLCOS	August 22 – 24	Pretoria South Africa	http:// www.nolcos2007.org.za e-mail: noc@nolcos2007.org.za
IEEE/IFAC Confrence Methods and Models in Automation and Robotics – MMAR	August 27 – 30	Szczecin Poland	http://www.mmar.edu.pl/ e-mail: mmar@mmar.edu.pl
IFAC Workshop Adaptive and Learning in Control and Signal Processing – ALCOSP 07	August 29 – 31	St. Petersburg Russia	http://conf.physcon.ru/alcosp07/ e-mail: alcosp07@physcon.ru
in conjunction with			
IFAC Workshop Periodic Control Systems – PSYCO 07	August 29 – 31	St. Petersburg Russia	http://conf.physcon.ru/psyco07/ e-mail: psyco07@physcon.ru
IFAC Symposium 6th Intelligent Autonomous Vehicles – I A V	September 03 – 05	Toulouse France	http://www2.laas.fr/iav2007 e-mail: iav2007@laas.fr
IFAC Conference Modeling and Designing Distributed Control Systems in Agriculture- – AGRICONTROL 2007	September 03 – 05	Osijek Croatia	http://www.agricontrol.org e-mail: secretary@agricontrol.org
IFAC Symposium Analysis, Design and Evaluation of Human-Machine Systems	September 04 – 06	Seoul Korea	http://www.ifac-hms-2007.com/ e-mail: wcyoon@kaist.ac.kr
CACHE/IFAC 2nd Conference Foundations of Systems Biology	September 09 – 12	Stuttgart Germany	http://www.fosbe.org e-mail: witteler@zsb.uni-stuttgart.de
IFAC Workshop Time Delay Systems	September 17 – 19	Nantes France	http://www.irccyn.ec-nantes.fr/TDS07/ e-mail: Jean-Fracois.Lafay@irccyn.ec-nantes.fr
EWICS/IFAC Conference Computer Safety, Reliability and Security – SAFECOMP 2007	September 18 – 21	Nuremberg Germany	http://www.safecomp.org/ e-mail: safecomp2007@informatik.uni-erlangen.de
IFAC Conference Control Applications in Marine Systems – CAMS 2007	September 19 – 21	Bol Croatia	http://www.cams07.fer.hr/ e-mail: zoran.vukic@fer.hr
IFAC Conference Management and Control of Production and Logistics – MCPL'2007	September 27 – 30	Sibiu Romania	http://mcpl2007.ulbsibiu.ro e-mail: mcpl2007@ulbsibiu.ro
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

FORTHCOMING EVENTS (ctd)

Title	2007	Place	Further Information
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. Clare Ireland	http://www.ngcuv08.com/ e-mail: ngcuv08@ul.ie
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
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/fda0 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 2009	July 06 – 08	St. Malo France	http://www.sysid2009.org/ e-mail: secretariat-sysid2009@irisa.fr
IFAC Symposium Advanced Control of Chemical Processes ADCHEM	July 12-15	Istanbul Turkey	http://to be announced e-mail: to be announced
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