



IFAC

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International Federation of Automatic Control

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Newsletter

IFAC 50th Anniversary



**Come to Heidelberg, to
celebrate the 50th
Anniversary of the
Federation with us.**

Register at:

[http://imperia5.vdi-online.de/
imperia/md/content/gma2/452.pdf](http://imperia5.vdi-online.de/imperia/md/content/gma2/452.pdf)

Tracking Historical Records

In the archives of IFAC there is a note that Victor Broida (6th President of IFAC) produced a report for UNESCO that listed 757 books on automatic control. The report was produced in 1960! According to the IFAC records, Gerhard Ruppel, the IFAC Secretary at that time, obtained 300 copies of this report and distributed them to the IFAC NMOs. It is not known when this report was distributed and there are no copies of the report in the IFAC Secretariat. If anyone knows about this report, the IFAC Secretariat would like to determine how to obtain copies.

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IFAC Fellows Appointed

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.

Following the Call for Nominations, published on the IFAC Website, in the IFAC Newsletter and distributed by e-mail, during the Fall of 2005, all nominations and references received were evaluated by the Fellow Selection Committee.

Upon recommendation of the Fellow Selection Committee, the IFAC Council then approved a number of outstanding candidates to be appointed IFAC Fellows in 2006. If possible, these new Fellows will receive the Fellow Pin and Certificate in the framework of this year's 50th Anniversary Celebration of IFAC in Heidelberg, Germany, on 15 September, 2006.

The following persons will receive the Fellow Pin and a Certificate with the following respective Citations:

Albertos, Pedro



For leadership and outstanding contributions to research, teaching, development, dissemination and applications of digital control methods

Chen, Han-Fu



For contribution to identification and adaptive control of stochastic systems, and to stochastic approximation and its applications to systems, control and signal processing

Athans, Michael



For contributions in teaching and research on optimal control theory and design and its application to aerospace, power, transportation, manufacturing and military command-and-control systems

Engell, Sebastian



For contributions to chemical process control, hybrid systems, and controller design methods as well as leadership in education and research

Balchen, Jens



For outstanding contributions to control engineering research and education in Norway and to the theory and practice of control engineering, as well as for services to IFAC in the early years of the Federation

Findeisen, Wladyslaw



For contributions to hierarchical control theory, including the development of structures and algorithms using on-line feedback from real systems, leading to important applications such as the Upper Vistula flood control system

ctd. from p. 1

Furuta, Katushisa



For outstanding contribution to the theory and applications of control engineering

Gevers, Michel



For fundamental contributions to system identification and its connection to control

Guardabassi, Guido



For contributions to periodic control, direct data-based control system design, and large-scale problem analysis

Hrovat, Davor



For contributions to automotive control systems resulting in improved performance, comfort and safety

Ioannou, Petros



For contributions to the theory of robust adaptive control and applications

Masten, Michael



For development of high performance practical application and distinguished service to promote the control systems field

Mayne, David



For seminal contributions to the areas of differential dynamic programming, algorithms for optimization, model reference adaptive control, nonlinear and robust model predictive control, and constrained state estimation

McAvoy, Thomas



For contributions to process control, particularly pioneering work on neural network applications, and for service as Editor in Chief of the Journal of Process Control

Polyak, Boris



For outstanding contributions in modern optimization methods, recurrent stochastic estimation and robust stability tests

Söderström, Torsten



For scientific contributions to system identification, for pedagogical explanations of identification to wide audiences and for inspiration to the scientific community



History of the IFAC Newsletter

The history of the IFAC Newsletter is about as long as the history of the Federation itself.

At the beginning, what is today the Newsletter, was called "Information Bulletin", with the first issue being published in May 1958.



It was at first published 3 times per year, not necessarily at regular intervals, in the format of a little booklet.

As of 1966, the Bulletin was published in a type-written format at more regular intervals and a higher frequency.



In 1976 the name of the publication was changed to "IFAC Newsletter" and in 1980 editing, layouting, etc. came to Laxenburg, together with the installation of the IFAC Secretariat. Since that time, the IFAC Newsletter has been published 6 times per year with a revised layout.

IFAC, being the the International Federation of Automatic Control, has of course always been committed to use the most advanced technologies also for its own publication. Therefore, desk-top publication was introduced and used for the Newsletter in the early nineties, reducing deadlines and allowing to provide up-to-date information to the Newsletter readers and the entire control community. The Newsletter is now not only mailed to readers in the conventional way but it is also available for download on the IFAC website the moment it is published. It is interesting to note, however, that the paper-based version of the Newsletter continues to be preferred.

Improving our services is a continuous aim of all those who contribute to the contents of the Newsletter and those who see to it that it is published regularly and provides information that is of interest. Therefore, if you - our readers - have comments, suggestions, ideas, complaints, or maybe even, praise, do not hesitate to send an e-mail to: seccr@ifac.co.at

Kurt Schlacher
Newsletter Editor

Ernestine Rudas
Layout

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FORTHCOMING EVENTS

2006
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Title	2006	Place	Further Information
IFAC Symposium Control in Transportation Systems	August 29 – 31	Delft Netherlands	http://www.rws-avv.nl/ifac-cts2006 e-mail: ifac-cts2006@avv.rws.minvenw.nl
IFAC Workshop Applications of Large Scale Industrial Systems – ALSIS'06	August 30 – 31	Helsinki, FI cruise liner	http://ntsat.oulu.fi/index.php?286 e-mail: office@atu.fi
IFAC Symposium Fault Detection, Supervision and Safety of Technical Processes – SAFEPROCESS	August 30 – September 1	Beijing China	http://www.au.tsinghua.edu.cn/safe/safeprocess2006/ e-mail: safeprocess2006@mail.tsinghua.edu.cn
IFAC Symposium 8 th Robot Control – SYROCO	September 06 – 08	Bologna Italy	http://www.syroco2006.deis.unibo.it e-mail: syroco2006@deis.unibo.it
IFAC Workshop Bio-Robotics III	September 09 – 10	Sapporo Japan	www.bpe.agr.hokudai.ac.jp/BioRoboticsIII/index.html e-mail: tkataoka@bpe.agr.hokudai.ac.jp
IFAC Symposium Mechatronic Systems	September 12 – 14	Heidelberg Germany	http://www.mechatronics2006.com e-mail: ringelmann@vdi.de
IFAC 50th Anniversary Celebration Present and Future of Automatic Control	September 15	Heidelberg Germany	http://www.vdi.de/ifac50
As the capacities of the townhall and the castle are limited, registrations will be considered in the order of receipt. Deadline: September 5, 2006			
IFAC Symposium 6th Modelling and Control of Biomedical Systems	September 20 – 22	Reims France	http://www.univ-reims.fr/mcbms06 e-mail: mcbms06@univ-reims.fr
IFAC Workshop Automation in Mining, Mineral and Metal Processing	September 20 – 22	Cracow Poland	Cracow http://konferencje.polsl.pl/IFAC2006 e-mail: IFAC2006@polsl.pl
IFAC Conference Manoeuvring and Control of Marine Craft MCMC-06	September 20 – 22	Lisbon Portugal	http://mcmc06.isr.ist.utl.pt e-mail: mcmc2006@isr.ist.utl.pt
IFAC Workshop Discrete-Event System Design DESDes'06	September 26 – 28	Rydzyna Poland	http://www.desdes.uz.zgora.pl/ e-mail: DESDes@iie.uz.zgora.pl
IFAC Workshop Energy Saving Control in Plants and Buildings	October 02 – 03	Bansko Bulgaria	http://www.tu-sofia.bg/IFAC_ESC/index.html e-mail: esc06@tu-sofia.bg
IFAC Workshop Multi-Vehicle Systems – MVS 2006	October 02 – 03	Salvador, BA Brazil	http://www.lti.pcs.usp.br/mvs2006 e-mail: mvs06@mail.pcs.usp.br
IFAC Workshop Nonlinear Model Predictive Control for Fast Systems (NMPC_FS'06)	October 09 – 11	Grenoble France	http://www.lag.ensieg.inpg.fr/NMPC_FS06/ e-mail: NMPC_FS@lag.ensieg.inpg.fr
IFAC Workshop Advanced Process Control for Semi- Conductor Manufacturing	December 04 – 05	Singapore Singapore	http://ifacsm06.nus.edu.sg/index.html e-mail: ifacsm06@nus.edu.sg
IIASA Workshop New Approaches of Dynamic Optimisation to Assessment of Economic and Environmental Systems	December 05 – 07	Laxenburg Austria	http://www.iiasa.ac.at/Research/DYN/index.html e-mail: kryazhim@iiasa.ac.at
Title	2007	Place	Further Information
IFAC Symposium Cost Oriented Automation – COA 07	February 12 – 14	Habana Cuba	http://www.cujae.edu.cu/coa07 e-mail: coa07@electrica.cujae.edu.cu
IFAC Workshop Technology Transfer in Developing Countries: Automation in Infrastructure Creation	May 17 – 18	Izmir Turkey	http:// to be announced e-mail: to be announced
IFAC Symposium Computer Applications in Biotechnology – CAB-10	June 04 – 06	Cancun Mexico	www.lingen.unam.mx/CAB-10 e-mail: jmorenop@ingen.unam.mx
IFAC Symposium Dynamics and Control of Process Systems – DYCOPS-8	June 06 – 08	Cancun Mexico	http://www.dycops2007.org e-mail: jac@xanum.uam.mx
IEEE/IFAC Intl. Workshop Robot Motion and Control – RoMoCo'07	June 11 – 13	Bukow Poland	http://romoco.put.poznan.pl/ e-mail: krzysztof.kozlowski@put.poznan.pl

FORTHCOMING EVENTS (ctd.)

Title	2007	Place	Further Information
IFAC Workshop Dependable Control of Discrete Systems – IFAC DCDS07	June 13 – 15	Paris France	http://www.lurpa.ens-cachan.fr/dcds07 e-mail: dcds07@lurpa.ens-cachan.fr
IFAC Symposium Automatic Control in Aerospace	June 25 – 29	Toulouse France	http://aca2007.onera.fr e-mail: aca2007@oneracert.fr
2007 European Control Conference – in cooperation with IFAC –	July 02 – 05	Kos Greece	http://www.ecc07.ntua.gr/ e-mail: ecc07@mail.ntua.gr
2007 American Control Conference – in cooperation with IFAC –	July 11 – 13	New York NY, USA	http://www.a2c2.org/conferences/acc2007/ e-mail: judd@ohio.edu
IFAC Symposium 11 th Large Scale Systems: Theory and Applications	July 23 – 25	Gdansk Poland	http://www.ely.pg.gda.pl/lss2007 e-mail: lss2007@ely.pg.gda.pl
IFAC Symposium 5 th Advances in Automotive Control	August 20 – 22	Seascape Resort Aptos, CA, USA	http://aac2007.stanford.edu/ e-mail: to be announced
IFAC Symposium 12 th 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 Nonlinear Control Systems – NOLCOS	August 22 – 24	Pretoria South Africa	http://www.nolcos2007.org.za e-mail: noc@nolcos2007.org.za
IFAC Workshop Adaptive and Learning in Control and Signal Processing – ALCOSP 07 in conjunction with	August 29 – 31	St. Petersburg Russia	http://conf.physcon.ru/alcosp07/ e-mail: alcosp07@physcon.ru
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 6 th Intelligent Autonomous Vehicles – IAV	September 03 – 05	Toulouse France	http://www2.laas.fr/iav2007 e-mail: iav2007@laas.fr
IFAC Conference Modelling 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:// to be announced e-mail: to be announced
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 System Structure and Control – SSSC 2007	October 17 – 19	Iguacu Brazil	http://sssc07.ece.ufrgs.br/ e-mail: sssc07@ece.ufrgs.br
Title	2008	Place	Further Information
American Control Conference – in cooperation with IFAC	June 12 – 14	Seattle, WA USA	http:// to be announced e-mail: to be announced
17 th IFAC WORLD CONGRESS	July 06 – 11	Seoul Korea	http://www.ifac2008.org e-mail: Secretariat@ifac2008.org

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/wps/find/journaldescription.cws_home/933description#description