



1994  
No. 3  
June

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## Council- and Related Meetings Copenhagen, Denmark 4 - 8 July, 1994

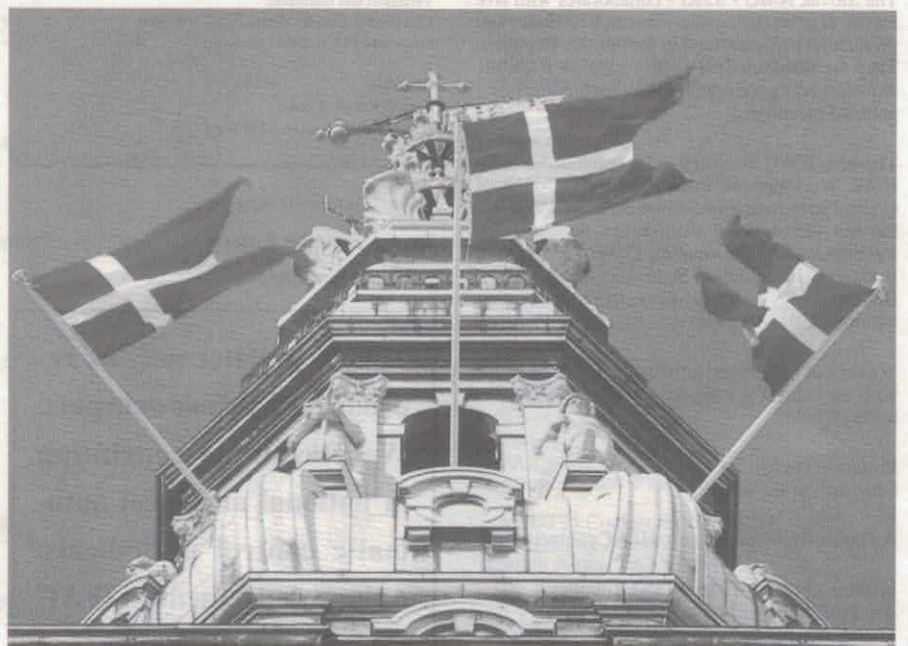
The Danish Automation Society, the Danish NMO of IFAC, has invited IFAC to hold its annual Council- and Related Meetings in Copenhagen, in conjunction with the IFAC/IFORS Symposium on Identification and System Parameter Estimation, to be held in the Copenhagen Sheraton from 4 - 6 July, 1994. The IFAC Council- and Related Meetings will take place in the Symbion Science Park, the seat of the NMO, just a short distance from the venue of the convention.

This will be the first Council meeting after the Sydney World Congress in July 1994. The first part of the year was dedicated to performing the postal ballot, establishing the new structure of the Technical Board in the Constitution and By-Laws. The postal ballot, having yielded a positive result, led to the revision of the Constitution and By-Laws, which is now available from the IFAC Secretariat upon request. But far beyond the purely administrative questions, the forthcoming meetings of the Executive Board, the Technical Board and the Council will examine very carefully, if the new structure is well in place and functioning all right. This was a special request by the General Assembly. From all we can see now, the new structure is working very well. The number of IFAC meetings worldwide is at least as high, if not higher than before. And it is the IFAC technical meetings by which the quality of IFAC is measured and which are the "trademark" of IFAC. So we believe that the transition from the 'old' to the 'new' Technical Board structure has worked very well indeed. But it will of course be up to the IFAC Officials and ultimately the National Member Organizations to examine the situation very carefully and to intervene if problems should occur.

Altogether, this transition period following the IFAC World Congress has been very smooth. This is due not least to the dedication of all persons involved in IFAC and the continuity guaranteed by the structure of the Federation.

In addition to the meetings of some Technical Committees, the Executive Committees and the Executive Board, the Technical Board and the Council, also the Congress IPC of the IFAC World Congress in San Francisco 1996 will meet in Copenhagen.

First preliminary considerations will be dedicated to the possible venue of the IFAC World Congress in 2005. The IFAC NMOs have already been asked and invited to consider hosting this major event.



Copenhagen - Site of the SYSID Symposium and of the IFAC Council- and Related Meetings



## News From Our National Member Organizations

### Slovak Society for Cybernetics and Informatics - SSKI

The Slovak Society for Cybernetics and Informatics is a National Member of the European Coordinating Committee for Artificial Intelligence. The seat of the Society is the capital of the Slovak Republic - Bratislava - at the Institute of Control Theory and Robotics of the Slovak Academy of Sciences. The main point of the Society's policy is to have the best relations to all NMOs internationally, but in particular also to the ones in its neighbouring countries, i.e. the Czech Republic, Austria, Hungary, the Ukraine and Poland.

The Slovak Society for Cybernetics and Informatics was founded in 1964. It was part of the Czechoslovak Society for Cybernetics. Its main activity earlier and now is the support of all professional events and information interchange among scientists, researchers and industrial professionals in the field of automatic control and computer science. All disciplines in the area are supported, ranging from control theory, artificial intelligence to robotics and control of technological processes in all industrial sectors.

Emphasis is also laid on interdisciplinary research, such as the approach towards problems in psychology, economics, linguistics, sociology, etc.

Many members of the SSKI participated in IFAC work in the past. We hope that we can even intensify our activities now, being an NMO of IFAC. Topics covered in IFAC by Slovak scientists have been theoretical problems of control, artificial intelligence, knowledge-based and expert systems, programming languages, man-machine interaction, robotics and image processing, parallel computer architectures and applications of the preceding disciplines in practice.

The Slovak NMO - SSKI - collaborates with five technical universities, many research institutes and production organizations in the Slovak Republic. They are distributed all over the Slovak Republic and offer very good opportunities for holding international meetings.

The next IFAC meetings to be convened are the IFAC Workshop on 'New Trends in Design of Control' to be held from September 8-10, 1994, and the 6th International Conference on 'Artificial Intelligence and Information Control Systems of Robots', to be held from September 12 - 16, 1994. Both meetings will take place in the interesting hunting castle of Smolenice.

We are looking forward to the exciting work together with all control specialists worldwide under the aegis of IFAC.

Professor Ian Mikles  
Chairman of the Society

Address of the Secretariat and IFAC contact person

Institute of Control Theory and Robotics  
Att. Prof. Baltazar Frankovic  
Slovak Academy of Sciences  
842 37 Bratislava  
Slovak Republic

## IFAC Control Engineering Textbook Prize Call for Nominations

The Textbook Award Committee of the Education Committee (EDCOM) of IFAC calls for nominations for the triennial Textbook Award. The award is to author(s) of that control engineering textbook judged to have most contributed to the education of control engineers. The book, written in one of the official IFAC languages, must have been published between August 1987 and June 1993. The prize, consisting of a monetary award and a certificate, will be presented at the closing awards ceremony of the 1996 IFAC Congress in San Francisco.

A nomination letter must include the full title, name and address of the author(s), date of publication and name and address of the publisher. The selection committee will take into account any additional information submitted with the nomination including book reviews, letters of support, publisher's data, list of adoptions, etc. Any further information will be appreciated.

Please send nomination material to:

Professor Dr. Karl Heinz Fasol  
Regelungssysteme und Steuerungstechnik, IB3  
Ruhr Universität Bochum  
D-44780 Bochum  
Germany

Your cooperation will be greatly appreciated. Please respond as soon as possible. **To be considered, nominations must be received by June 30, 1995 at the latest.** The winner(s) will be notified in due time so that advance plans can be made to attend the award ceremony.

#### Impressum:

Medieninhaber und Herausgeber:  
International Federation of Automatic Control (IFAC),  
Zurich  
Schlossplatz 12, A-2361 Laxenburg, Austria

Verlagsort und Redaktion:  
Dipl. Ing. Dr. Gusztáv Hencsey  
Schlossplatz 12, A-2361 Laxenburg

Hersteller:  
Artur Schefczik & Sohn  
August-Reuss-Gasse, A-1130 Wien

Editor: Gusztáv Hencsey

Layout: Ernestine Rudas

published bimonthly

**This Newsletter may be re-produced in whole or in part. We encourage reprinting in national and local automatic control periodicals. Acknowledgement to IFAC would be appreciated.**

## Control Engineering Practice Volume 2, Number 3 June 1994

### Preview

Control-Oriented Spark Engine Model  
(V. Chaumerliac, P. Bidan and S. Boverie)  
Fuzzy Anti-Reset Windup for PID Controllers  
(A. Hansson, P. Gruber and J. Tödli)  
Traffic Control Using Graph Theory  
(Th. Riedel and U. Brunner)  
Parallel Adaptive Control for a Turbogenerator System  
(M.D. Brown, G.W. Irwin, E. Swidenbank and B.W. Hogg)  
Determination of Grasp Forces for Robot Hands Based on Human Capabilities  
(I. Kim and H. Inooka)  
 $H_{\infty}$  Robust Control of Flexible Manipulator Vibration by Using a Piezoelectric-Type Servo-Damper  
(Won-Ho Jee and Chong-Won Lee)  
Multivariable Fuzzy Controller Design  
(R.E. King, G.D. Magoulas, A.A. Stathaki)  
On the Applicability of Model-Based Fault Detection for Technical Processes  
(R. Isermann)

### Papers from the IFAC Symposium on Automatic Control in Aerospace (Guest Editor: E. Gottzein)

Preface to the papers from the IFAC Symposium on Automatic Control in Aerospace  
(E. Gottzein)  
Parallel Processing Architectures for Aerospace Applications  
(H.A. Thompson)  
Space Robotics and Manipulators - the Past and the Future  
(J.Z. Sasiadek)  
Optimal Integral Control of Trim in a Reconfigurable Flight Control System  
(D. McLean and S. Aslam-Mir)  
ROSAT Flight Experience with Hardware Degradations and Software Recovery Measures  
(W. Schrempf, A. Böinghoff, E. Brüderle, L. Kaffer and P. Wullstein)  
Autonomous On-Comet Operations Aspects of the ROSETTA Mission  
(K. Schilling, H. Roth and B. Theobald)  
The NASA-LaRC Controls Structures Interaction (CSI) Technology Program  
(J.R. Newsom and W.W. Anderson)  
Control Challenges from Space- and Ground Based Astronomical Telescopes  
(D.C. Redding)

### Abstracts

IFAC Symposium: Automatic Control in Aerospace 1992, Munich, Germany

Automatic Control - 12th IFAC Triennial World Congress, 1993, Sydney, Australia

### Index of Abstracts

### Book Reviews

### Conference Calendar





**FORTHCOMING EVENTS**

Title	1994	Place	Deadline	Further Information
1994 American Control Conference (in cooperation with IFAC)	June 29 July 1	Baltimore, MD USA	-	Prof. Hassan Khalil Electrical Eng. Dept., Michigan State Univ. East Lansing, MI 48824-1226, USA FAX 517-353-1980 e-mail: khalil@frith.egr.msu.edu
IFAC/IFORS Symposium (10th) Identification & System Parameter Estimation SYSID '94	July 4-6	Copenhagen Denmark	-	SYSID '94 Secretariat Danish Automation Society, Symbion Fruebjergvej 3 DK-2100 Copenhagen, Denmark FAX +45/3120 5521
Asian Control Conference (in cooperation with IFAC)	July 27-30	Tokyo Japan	-	Prof. Yasuchika Mori Dept. of Mechanical Engineering National Defense Academy 1-10-20 Hashirimizu, 239 Yokosuka Japan, FAX 468 42 6480
IFAC Symposium (3rd) Advances in Control Education	Aug. 1-2	Tokyo Japan	-	Prof. K. Furuta Tokyo Inst. of Technology Dept. of Control Engg. 2-12-1 Oh-Okayama Beguroku Tokyo 152, Japan FAX +81/3/3720-5269 e-mail: furuta@ctrl.titech.ac.jp
IFAC Workshop Computer Software Structures Integrating AI/KBS	Aug. 10-12	Lund Sweden	-	Svenska IFAC kommittén POB 27 S-75103 Uppsala, Sweden FAX +46/18/503611
ISPE/IFAC Intl. Conference CAD/CAM: Robotics and Factories of the Future	Aug. 21-24	Ottawa, Ont. Canada	-	Prof. M.B. Zaremba Ottawa Carleton Research Inst. Kanata, Ont., CDN, K2K 2E4 Canada, FAX 819/773 1638 e-mail: zaremba@uqah.quebec.ca
IFAC/IFIP/IFORS Symposium Transportation Systems: Theory and Application of Advanced Technology	Aug. 24-26	Tianjin China, P.R.	-	Prof. G.G. He, TS'94 Institute of Systems Engg. Tianjin University Tianjin 300072, China, P.R. FAX +86/22-358329
IEE/IFAC/TUHH Conference Intelligent Systems Engineering	Sept. 5-8	Hamburg Germany	-	Ms. Jane Chopping ISE 94 Secretariat, Conference Serv. Institution of El. Engineers Savoy Place, London WC2R 0BL, UK FAX +44/71 497 3633
International Conference Manoeuvring and Control of Marine Craft	Sept. 7-9	Southampton UK	-	Dr. G.N. Roberts Control Engg. Dept Royal Naval Inst. College, Manadon Plymouth PL5 3AQ, UK FAX +44/752/769039 e-mail: ceqr@uk.ac.manadon
IFAC Workshop New Trends in Design of Control Systems	Sept. 7-10	Smolenice Slovakia	-	IFAC Workshop '94 Ms. Alena Kozakova, Fac. of El.Engg. Ilkovicova 3 SK-81219 Bratislava, Slovakia FAX: +42/71 72 97 34 e-mail: ntdcs@kassr.elf.stuba.sk
IFAC/ISHS Workshop (2nd) Mathematical and Control Applications in Agriculture and Horticulture	Sept. 12-15	Silsoe UK	-	Prof. W. Day Silsoe Research Institute Wrest Park, Silsoe MK45 4HS, UK FAX +44/525/860156
IFAC Symposium (13th) Automatic Control in Aerospace	Sept. 12-16	Palo Alto, CA USA	-	Dr. Kenneth Lorell Lockheed 92-30/250 3251 Hanover Street Palo Alto, CA 94304, USA FAX 415/424 3106
IFAC Symposium Robust Control Design	Sept. 14-16	Rio de Janeiro Brazil	-	Prof. P.M.G. Ferreira DEE, (PUC-RIO), C.P. 38063 22452 Rio de Janeiro, Brazil FAX +55/21/511 5154 e-mail: pedro@ele.puc-rio.br
IFAC Symposium Robot Control - SYROCO	Sept. 19-21	Capri Italy	-	Prof. S. Nicosia, SYROCO 94 Sci. Secr. DIE, Università degli Studi di Roma „Tor Vergata“, Via della Ricerca Scientifica I-00133 Rome, Italy, FAX +39/6/2020519 e-mail: nicosia@tovvx1.ccd.uotvrm.it



# FORTHCOMING EVENTS (ctd.)

IFAC Conference Integrated Systems Engineering	Sept. 27 - 29	Baden-Baden Germany	-	Mr. H. Wiefels, VDI/VDE GMA Graf Recke Straße 84 D-40239 Düsseldorf, Germany FAX +49/211/6214-161
IFAC Workshop Distributed Computer Control Systems - DCCS 94	Sept. 28 - 30	Toledo Spain	-	DCCS'94 Secretariat Fundación Universidad Empresa Serrano Jover, 5/7, E-28015 Madrid, Spain FAX +34/1/547 0652 e-mail: dccs94@gic.tat.upm.es
IFAC/IFIP Symposium Artificial Intelligence in Real Time Control	Oct. 3 - 5	Valencia Spain	-	Prof. A. Crespo, Dept. Ingeniería Universidad Politécnica de Valencia POB 22012, E-46071 Valencia, Spain FAX +34/6/3877579 e-mail: acrespo@aii.upv.es
International Symposium Advanced Vehicle Control for Active Safety and Ride Comfort	Oct. 24 - 28	Tsukuba Japan	-	AVEC'94, Technical Activity Division Society of Automotive Engg., of Japan Inc. 10-2 Goban-cho, Chiyoda-ku, Tokyo 102 Japan, FAX: +81/3/3261-2204
IFAC Workshop Trends in Hydraulic and Pneumatic Components and Systems	Nov. 15 - 16	Chicago USA	-	Prof. David N. Wormley Dean of Engineering Pennsylvania State University University Park, PA 16802, USA FAX 814/863-4749 e-mail: dnw@oas.psu.edu
IFAC Workshop Safety, Reliability and Applications of Emerging Intelligent Control Technologies	Dec. 12 - 14	Hong Kong	-	Dr. C.W. Chan Dept. of Mech. Engg., Univ. of Hong Kong Pokfulam Road, Hong Kong FAX +852/859 7906
INRIA/IFIP/IFAC Workshop Integrated Manufacturing Systems Engineering - IMSE '94	Dec. 12 - 14	Grenoble France	15 July 1994	Dr. Francois Vernadat, INRIA/Rhone-Alpes 46, avenue F. Viallet F-38031 Grenoble, France FAX +33/ 76 57 47 93 e-mail: francois.vernadat@inria.fr

Title	1995	Place	Deadline	Further Information
SAE/IFAC 1995 Congress and Exposition of the Society of Automotive Engineers	Feb. 27 March 2	Detroit MI, USA	1 July 1994	Ms. Karin Bolcschazy Engineering Meetings Division SAE International 400 Commonwealth Drive Warrendale, PA 15096-0001, USA FAX +1/412/776 0002
IFAC Workshop Advances in Automotive Control	March 12 - 18	Ascona Switzerland	31 July 1994	Prof. L. Guzzella ETH Zentrum, LVV, MLJ 42.1 CH-8092 Zurich, Switzerland FAX +41/1/262 5207 e-mail: guzzella@lvv.iet.envt.ethz.ch
CIRP/IFAC/IFIP/INNS Workshop Learning in Intelligent Manufacturing Systems - IMS	April 20 - 21	Budapest Hungary	31 Oct 1994	Dr. Laszlo Monostori, MTA SZTAKI Hungarian Academy of Sciences POB 63, H-1518 Budapest, Hungary FAX +36/1/166 7503
IMACS/IFAC Symposium Mathematical Modelling and Simulation in Agriculture and Bio-Industries	May 9 - 12	Brussels Belgium	15 Oct. 1994	M'SABI95 Symposium, c/o Lab Automatique Free University of Brussels, CP 1 50, ave. F.D. Roosevelt, B-1050 Brussels Belgium, FAX +32/2/650 2677 e-mail: labauto@labauto.ulb.ac.be
IFAC Workshop Control Applications in Marine Systems - CAMS 95	May 10 - 13	Trondheim Norway	1 Nov. 1994	AProf. Thor I. Fossen, CAMS-95 Secr. Dept. of Engg. Cybernetics Norwegian Institute of Technology N-7034 Trondheim, Norway FAX +47 /73594399 e-mail: tif@itk.unit.no
International Conference Computer Applications in Biotechnology	May 14 - 17	Garmisch- Partenkirchen Germany	31 Aug. 1994	Prof. Axel Munack Federal Agricultural Res. Center Inst. of Biosystems Engg. - FAL Bundesallee 50, D-38116 Braunschweig Germany FAX +49/531 596 369
IFAC Workshop Artificial Intelligence in Agriculture	May 29 - 31	Wageningen Netherlands	1 Nov. 1994	Prof. A. Udink ten Cate Agricultural Research Dept. (DLO-NL) Centre de Born, POB 59 NL-6700 AB Wageningen, Netherlands FAX +31/8370/24060
IFAC Workshop Algorithms and Architectures for Real-Time Control	May 31 June 2	Ostend Belgium	31 Oct. 1994	BIRA, Desguinlei 214, B-2018 Antwerp Belgium, FAX +32/3/216 06 89
IFAC Workshop Control Applications in Post-Harvest and Processing Technology	June 1 - 2	Ostend Belgium	31 Oct 1994	BIRA, Desguinlei 214, B-2018 Antwerp Belgium FAX +32/3/216 06 89





## FORTHCOMING EVENTS (ctd.)

IFAC Conference Dynamics and Control of Chemical Reactors, Distillation Columns and Batch Processes - DYC'DORD '95	June 7 - 9	Copenhagen Denmark	31 Aug. 1994	Danish Automation Society Symbion Science Park Copenhagen Fruebjergvej 3, DK-2100 Copenhagen Denmark FAX +45/3120 5521
IFAC Workshop On-Line Fault Detection and Supervision in the Chemical Process Industries	June 12 - 13	Newcastle UK	1 June 1994	Prof. Julian Morris University of Newcastle upon Tyne Dept. of Chem. & Process Engg. Newcastle upon Tyne, NE1 7RU, UK FAX +44/91 261 1182
IFAC Conference Intelligent Autonomous Vehicles	June 12 - 14	Espoo Finland	30 Sept. 1994	Finnish Society of Automation Asemapaalikonkatu 12 C SF-00520 Helsinki Finland, FAX +358/0/1461 650
IFAC Symposium Adaptive Systems in Control and Signal Processing - ACASP '95	June 14 - 16	Budapest Hungary	1 Oct. 1994	Prof. L. Keviczky Computer & Automation Institute, H A S POB 63, H-1518 Budapest, Hungary FAX +361/1667 503 e-mail: h10kev@huella.bitnet
1995 American Control Conference (in cooperation with IFAC)	June 21 - 23	Seattle, WA USA	15 Sept. 1994	Prof. M. Tomizuka, Dept. of M.E. University of California Berkeley, CA 94720, USA FAX 510/642 6163 e-mail: tomizuka@euler.berkeley.edu
IFAC Symposium Nonlinear Control Systems Design NOLCOS '95	June 26 - 28	Lake Tahoe CA, USA	15 Aug. 1994	Prof. A.J. Krener Dept. of Mathematics University of California Davis, CA, USA FAX +1/916/752 6635 e-mail: ajkrenr@ucdavis.edu
IFAC Symposium Analysis, Design, and Evaluation of Man-Machine Systems - MMS '95	June 27 - 29	Cambridge MA, USA	1 July 1994	Prof. Thomas B. Sheridan, 3-348 MIT Cambridge, MA 02139, USA FAX +617/253-4196 e-mail: sheridan@mit.edu
IFAC/IFIP/IFORS/SEDC Symposium Modelling and Control of National and Regional Economies	July 2 - 5	Brisbane Australia	15 Sept. 1994	Dr. Ljubisa Vlacic Fac. of Science and Technology Griffith University Nathan, Brisbane, Qld. 4111 Australia, FAX +61 7 875 5198 e-mail: vlcic@tomahawk.me.gu.edu.au
IFAC Conference System Structure and Control	July 5 - 7	Nantes France	1 Aug. 1994	Mr. J.J. Loiseau, CNRS LAN-ECN 1, rue de la Noe F-44072 Nantes Cedex 03, France FAX +33/40/372522 e-mail: loiseau@lan01.ensm-nantes.fr
IFIP/IFAC Conference (17th) System Modelling and Identification	July 10 - 14	Prague Czech Republic	15 Oct. 1994	Prof. J. Dolezal Institute of Information Theory and Automation, UTIA, POB 18 CZ-18208 Prague, Czech Rep. FAX +42/2/824 755 e-mail: ifip@utia.cas.cz
IFAC Symposium (7th) Large Scale Systems: Theory and Applications	July 11 - 13	London UK	15 Sept. 1994	Prof. P.D. Roberts Control Engineering Research Centre City University, Northampton Square London EC1V 0HB, UK FAX +44/71/477 8568
IFAC Conference Youth Automation IYA '95	August 8 - 10	Beijing China, P.R.	30 Nov. 1994	Dr. Li Sun, IYA '95 CAST Industrial Engg. Co 22 Baiwanzhong Street Xichengqu Beijing 100037, China, P.R.
IFAC Conference Intelligent Autonomous Control in Aerospace	August 14 - 16	Beijing China, P.R.	30 Sept. 1994	Prof. Guang-Rui Zou Chairman of BICE POB 2729 Beijing 100080, China, P.R. FAX +861/254 3110
ASME/IEEE/IFAC Intl. Conf. Recent Advances in Mechatronics	August 14 - 16	Istanbul Turkey	3 Feb. 1995	Prof. Okyay Kaynak Bogazici University, Dept. of EE UNESCO Chair on Mechatronics 80815 Bebek - Istanbul Turkey FAX +90/212/257 50 30 e-mail: kaynak@vs6410.cc.boun.edu.tr
IFAC Symposium (8th) Automation in Mining, Mineral and Metal Processing	Aug. 29 - 31	Sun City South Africa	1 Oct. 1994	MMM'95 Conference Secretariat Private Bag X3015, Randburg 2125 South Africa, FAX: 27/11/793 2413
1995 European Control Conference (in cooperation with IFAC)	Sept. 5 - 8	Rome Italy	1 Oct. 1994	ECC 95 Secretariat D.I.S. Univ. degli Studi di Roma Via Eudossiana 18, I-00184 Rome, Italy FAX 39/6/44 585367 e-mail: ecc95@itcaspur.caspur.it



Papers From the July 1994 Issue

**Survey Paper**

A Survey of Models, Analysis Tools and Compensation Methods for the Control of Machines with Friction  
(B. Armstrong-Helouvry, P. Dupont, C. Canudas de Wit)

**Regular Papers**

H(infinity) Design of General Multirate Sampled-Data Control Systems  
(Tongwen Chen, L. Qiu)  
Identification of Linear Dynamic Systems Using Piecewise Constant Excitations: Use, Misuse and Alternatives  
(J. Schoukens, R. Pintelon, H. van Hamme)  
Self-Tuning PI-PID Regulators for Stable Systems with Varying Delay  
(A. Leva, R. Scattolini, C. Maffezzoni)  
Practical Design of Nonlinear Fuzzy Controllers with Stability Analysis for Regulating Processes with Unknown Mathematical Models  
(Hao Ying)

**Brief Papers**

Robust System Identification with Noisy Experimental Data: Projection Operator and Linear Algorithms  
(Er-Wei Bai, S. Raman)  
Vibrational Stabilization and Calculation Formulas

for Nonlinear Time Delay Systems: Linear Multiplicative Vibrations  
(B. Lehman, J. Bentsman)  
Adaptive Fading Kalman Filter With an Application  
(Qijun Xia, Ming Rao, Yiqun Ying, Xuemin Shen)

**Book Review**

Predictive Control. A Unified Approach, by R. Soeterbeek  
(D. Clarke)

Papers From the August 1994 Issue

**Survey Paper**

Object-Oriented Programming in Control System Design: A Survey  
(C.P. Jobling, P.W. Grant)

**Regular Papers**

Frequency Domain Sensitivity Functions for Continuous Time Systems Under Sampled Data Control  
(G.C. Goodwin, M. Selgado)  
Consistent Identification of Stochastic Linear Systems with Noisy Input-Output Data  
(A. Delopoulos, G.B. Giannakis)  
Model-Based Causal Reasoning for Process Supervision  
(L. Leyval, S. Gentil, S. Feray-Beaumont)  
All Controllers for the General H(infinity) Control Problem: LMI Existence Conditions and State Space Formulas  
(R.E. Skelton, T. Iwasaki)  
A Supervisor for Control of Mode-Switch Processes  
(R.A., J. van Amerongen, P. Lohngberg et al.)

**Brief Papers**

A Higher-Order Correlation Method for Model-Order and Parameter Estimation  
(Jeng-Ming Chen, Bor-Sen Chen)  
Sensitivity Model and Synthesis of Dead-Beat Algorithms in Digital Servosystems  
(C. Cmosija, S. Bogdan, Z. Kovacic)

## WHO IS WHO IN IFAC



Academician Prof. L. Keviczky  
Council member

László Keviczky was born in Ráckeve, Hungary, in 1945. He graduated with a Higher Education Honours Degree from the Electrical Engineering Faculty of the Technical University of Budapest (TUB) in 1968, and received the doctoral degree in system identification from the same school in 1970. He was given the candidate of sciences degree in design of regression experiments in 1974 and the doctor of sciences degree in adaptive control in 1980 from the Hungarian Academy of Sciences (HAS). In 1985 he was elected corresponding member of the HAS. In 1991 he was appointed a Foreign Member of the Royal Swedish Academy of Engineering Sciences. From 1993 he has been Member of the HAS and was elected Secretary General of the Hungarian Academy of Sciences. Since 1968 he worked with the Department of Automation at the TUB, where he became the Head of the Advanced Control Group. In 1981 he joined the Computer and Automation Institute, HAS, where he was the Head of the Department of Process Control until 1985. He has been Director of the Institute since January 1st, 1986. In the spring of 1994 he is to be appointed Professor of the Department of Automation at the TUB. His special fields of interest are system identification and parameter estimation, adaptive optimal control of industrial processes, computer controlled systems, simulation and modeling, intelligent and expert controls, C3I (Control, Communication Computation, Intelligence). In 1972, he spent three months on leave at the Lund Institute of Technology in Sweden, as a post-doctoral fellow. In 1979 he spent 4 months at the same institution under a UN/UNESCO fellowship. In 1979/80 he spent a 9-months visiting professorship at the University of Minnesota in Minneapolis, as the principal investigator of a cooperative NSF research program between the US and Hungary. He was the principal investigator of another project of the same sides between 1982-85. In 1986 he spent a three-month Eisenhower fellowship in the USA. Between 1981-84 he was Vice-Chairman and then Chairman (1984-90) of the Applications Committee. In 1990 he was elected TB Vice-Chairman and in 1993 member of the IFAC Council. He was an Associate Editor of the IFAC Journal Automatica between 1984-93 and served as IPC member (twice as Chairman) of several IFAC Symposia

## FORTHCOMING EVENTS (ctd.)

IFAC Workshop Control Education and Technology Transfer Issues	Sept. 11-12	Curitiba Brazil	13 Jan. 1995	Prof. Marco A. Busetti de Paula Centro Federal de Educao Tenologica do Paraná, Av. 7 de Setembro 3165 80230-901 Curitiba, Paraná, Brazil FAX +55/41/224-5170
IFAC Symposium Low Cost Automation	Sept. 13-15	Buenos Aires Argentina	30 Sept. 1994	AADECA, Eng. A. T. Casucci Av. Callao 220 1oB 1022 Buenos Aires, Argentina FAX +54/1/463780
IFAC Workshop Human-Oriented Design of Advanced Robotics Systems	Sept. 18-20	Vienna Austria	1 April 1995	Prof. P. Kopacek Technical University /E 318 Florigasse 7 a, A-1040 Vienna, Austria FAX +43/1/504 18 359
IFAC Symposium Automated Systems Based on Human Skill - „Joint Design of Technology and Organization“	Sept. 25-28	Berlin Germany	10 Feb. 1995	VDI/VDE GMA, Graf Recke Straße 84 D-40239 Düsseldorf, Germany FAX: +49/211/6214-161
IFAC Conference Supplemental Ways for Improving International Stability - SWIIS	Sept. 27-29	Vienna Austria	1 April 1995	Dr. Alois Frotschnig Technical University, IHRT Florigasse 7 a, A-1040 Vienna, Austria FAX +43/1/504 18 359 e-mail: afrotschnig@ihrt.tuwien.ac.at
IFAC Workshop Motion Control	Oct. 9-11	Munich Germany	31 Jan. 1995	VDI/VDE GMA, Graf Recke Strasse 84 D-40239 Düsseldorf, Germany FAX: +49/211/6214-161
IFAC Symposium Control of Power Plants and Power Systems	Dec. 4-6	Cancun Mexico	Nov. 1994	Dr. Roberto Canales/SIPOWER'95 Instituto de Investigaciones Electricas AP 475, Cuernavaca, Mor. 62000, Mexico FAX +52/73/189854 e-mail: Sifac@iievms1.iiucuer.unam.mx