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International Federation of Automatic Control

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Anniversary Newsletter

IFAC Anniversary Day Heidelberg, Germany, September 15, 2006

Contents:

IFAC Anniversary Day
Heidelberg, Germany,
September 15, 2006

*

Forthcoming Events

*

Some Snapshots from IFAC 50

*

Call for Nominations
IFAC Fellows 2007



Heidelberg Convention Centre



Rolf Isermann



Dirk Abel



Joachim Gerner

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/933/description#description

Following warm words of welcome by Prof. Rolf Isermann, Council member and IPC Chair for the Anniversary event, Prof. Dirk Abel, representative of the German National Member Organization VDI/VDE - GMA and Dr. Joachim Gerner, Deputy Mayor of Heidelberg, Prof. Wook-Hyun Kwon, President of IFAC took the floor to give the Opening Address for the 50th Anniversary Celebration:



Wook Hyun Kwon

Your Excellency, Distinguished Guests, Ladies and Gentlemen,

It is with great pride and at the same time gratitude that I welcome all of you on the occasion of this 50th Anniversary Celebration of IFAC. Pride, because I have the great joy to be President of the

Federation in this period, gratitude, because I know that it is a great privilege to be able to serve IFAC in this function.

Heidelberg is not only the site of the oldest university in Germany, going back many centuries, but also the place where the foundation of IFAC was discussed and decided in September 1956, exactly 50 years ago. 25 years later, it was again Heidelberg, where the 25th anniversary of IFAC was celebrated. Now, again 25 years later, IFAC has developed into a mature organization, with well-functioning mechanisms – mechanisms that allow for flexibility and new developments.

IFAC's strength lies in the form of organization that was chosen already in 1956. Its members are national bodies, one National Member

Organization per country, allowing for a wide representation of control engineers in each of them. Let me therefore use this opportunity here, to give a warm welcome to the many representatives of our National Member Organizations who have come here today to celebrate this anniversary day with us. Over the past years, the number of countries represented in IFAC through National Member Organizations has remained very stable, yet we do not cease our efforts in getting even more countries to join IFAC through NMOs.

Above all, IFAC is the sum total of its people. The people who take responsibility in the most varied functions, dedicating time, effort and energy. Because this is what has made IFAC strong over the years: all its officials are volunteers who work for and in the interest of the Federation. Let us acclaim all these literally hundreds of volunteers for the time and effort they have invested in IFAC to make it strong and healthy.

My thanks also go to the IFAC Secretariat, which was given a permanent home in Austria in 1978. Before that time it was for a long period in Germany and for a few years in Finland. Having a permanent Secretariat was made possible by a contract with the Austrian authorities at that time which has provided the Federation with premises and some financial support to facilitate the operation of the Secretariat. We are lucky also to have a stable and reliable staff and the continued support of the Austrian authorities, for which IFAC is very grateful. We all know how important continuity is and the Secretariat in Austria is providing exactly that continuity and stability.

At this time of celebration, I do not want to forget all those who have passed away over the years. We cannot list all the names, but I would like to ask you to rise for a moment of silence, to commemorate the deceased.

Thank you.

Now we have come together here to celebrate. How does IFAC celebrate? By having great festivities, by drinking and eating and toasting each other? Well, that will be part of it. But our way of celebrating also is to hold meetings. Even when we celebrate the 50th Anniversary of the Federation. Therefore, our German National Member Organization kindly offered to host this Anniversary Day here in Heidelberg. Already two years ago, a Task Force was set up, headed by Advisor Steve Kahne, to coordinate all IFAC 50 activities. An International Program Committee was established, chaired by Professor Rolf Isermann, to organize the Program for this Anniversary Day. These two groups have done an enormous amount of work over the past two years. The IPC group around Rolf Isermann, and the NOC group of Eng. Dieter Westerkamp and his team from the German NMO were in charge of the program for this day. So we shall have the pleasure today to listen to presentations given by the most prestigious control engineers in the world. In this context, great care has been taken not only to highlight the past of IFAC and to revel in past glories, enjoyable as this may be, but also to look at the present and the future of automatic control.

Activities, though culminating in this Anniversary Celebration, are in no way limited to this day only. A book including an overview over control engineering textbooks was put together and a special website providing control resources was developed, which can be reached from the IFAC website (<http://www.ifac-control.org>), following „News“ and then „Control Resources. This will be an ongoing task for the future as well. Later today you will hear about the history of the Federation as such, its people and its activities. But this anniversary day will by no means only deal with past glory. We will hear about the present of developments and trends in control theory and control applications, have a look at industrial automation and last but not least have a panel

discussion on emerging areas in automatic control and its role for engineering.

At this opening, I do not want to miss the opportunity to tell you also about the prestigious persons, who have been proposed, supported and accepted to become IFAC Fellows. The concept of IFAC Fellowship was introduced and the first Fellows appointed at the Prague Congress last years. 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. So for this year again, the Fellow Selection Committee has invited nominations and references, and, after a careful evaluation, has recommended to the IFAC Council to appoint the outstanding scientists to become Fellows of IFAC. (cf IFAC Newsletter No 4, 2006) Many of the newly appointed Fellows are present today and, following the technical program of this anniversary day and preceding the evening entertainment program, we shall meet in the adjacent Robert Schumann Hall, to present the pins and certificates in a small ceremony.

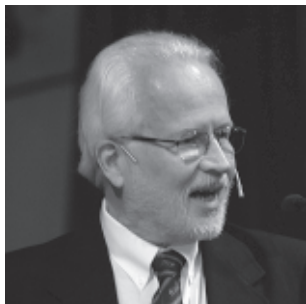
Let me now come to the end of my opening remarks. What we have been doing over the past years and what will be our main task in the years to come is to make IFAC even stronger for the future. We are already taking, and will continue to take, all necessary efforts to adapt our meeting and publication schemes to the requirements of the time to come so that IFAC will thrive for at least another 50 years.

My thanks once again to all those who have helped to shape IFAC and to those who have worked hard in the preparation of this Anniversary Celebration.

Thank you very much.

Wook Hyun Kwon
President

Following the opening address by Prof. Kwon, Steve Kahne, Adviser of IFAC went through the 50 years of IFAC history, showing many pictures of the actors. You can find the pictures on the IFAC website (<http://www.ifac-control.org>), following „News“ and then IFAC history. Some of those persons who had been present already at the conception of IFAC, were present also in the Heidelberg of 2006: Professor John Westcott, Professor Jens Balchen, Professor Vladimir Strejc.



Steve Kahne



Vladimir Strejc, John Westcott, Jens Balchen

The morning session went on with technical presentations given by Brian D.O. Anderson, Adviser of IFAC, on „Present Developments in Control Theory“. A summary of this contribution can be found in issue 3/2006 (June) of the IFAC Newsletter.



Brian D.O. Anderson

Next followed a paper, given by Karl Johan Aström, Adviser of IFAC, on „Present Developments in Control Applications“. A summary of this paper can be found in issue 3/2006 (June) of the IFAC Newsletter.



Karl Johan Aström

After these two technical presentations, the brass band, which entertained the audience at the beginning and the end of sessions, guided the visitors to an enjoyable luncheon.



Brass Band

The brass band also ushered in the afternoon session, which then continued with an industrial presentation, given by Dr. Peter Terwiesch, on „Industrial Automation: Situation and Trends“. A summary of this paper can be found in issue 3/2006 (June) of the IFAC Newsletter.



Peter Terwiesch

Last but not least there followed a panel discussion, chaired by Technical Board Chair, Sirkka-Liisa Jämsä Jounela, on „Emerging Trends in Automatic Control and its Role for Engineering“.



Sirkka-Liisa Jämsä Jounela

Following the official end of the anniversary day program, the President and the Chair of the Fellow Selection Committee had the pleasure to present Fellow certificates and pins to the Fellows appointed in 2006 (and some who had already been appointed in 2005) in a small ceremony.

The anniversary day was also an occasion to meet old friends, members of the IFAC family, as can be seen from the photographs below. If you want to see more of these, go to the VDI/VDE homepage at

<http://www.vdi.de/ifac50>

where you can view a selection.

In the evening of this Anniversary day, the participants assembled at Heidelberg Castle for a cocktail and a banquet. It was a mild and balmy evening without formal speeches, but with a number of toasts to IFAC and the spirit within the Federation. Memories of the early days of IFAC were addressed among others by John Westcott, by Vladimir Strejc, by Jacqueline Cuénod, widow of IFAC's first Treasurer. The younger generation, too, had the opportunity to talk about its ties and friendships with and within IFAC. It was the general feeling of the day that IFAC is special in the way, people deal with each other. Many friendships have been formed in and through IFAC, friendships that can be cultivated in the special climate, IFAC provides.

The evening ended with a spectacular fireworks, high over the banks of the river Neckar, by which the next 50 years of IFAC were ushered in.

Kurt Schlacher



Panel discussion

Some Snapshots from IFAC 50

If you want to see more, go to: <http://www.vdi.de/ifac50>



Brian D.O. Anderson
“The Thinker, by Auguste Rodin”
solving a difficult control problem



Lino Guzzella, Walter Schaufelberger, Mohammed Mansour
“The Three Tenors?”
No – present and past Treasurers of IFAC



Barbara Aumann, Ernestine Rudas
The IFAC Secretariat staff
Had to get up, to be identifiable from their youth photographs



Banquet at Heidelberg Castle

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 2007 TO IFAC FELLOW NOMINATORS

If you plan to submit an IFAC Fellow Nomination Form, 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 (http://www.ifac-control.org/about/Nominator_Information.doc), complete the Nomination Form (http://www.ifac-control.org/about/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 (http://www.ifac-control.org/about/Reference_Info07.rtf) and complete the Reference Form (http://www.ifac-control.org/about/4_Fellow_Ref_Form.doc).

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

February 1, 2007

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.



FORTHCOMING EVENTS

2006
No. 5
Oct.

Title	2006	Place	Further Information
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://web.deu.edu.tr/decom07 e-mail: decom07@deu.edu.tr
IFAC Workshop Intelligent Manufacturing Systems – IMS 2007 in conjunction with	May 23 – 25	Alicante Spain	http://www.aurova.ua.es:8080/ims2007/ e-mail: ims07@dfists.ua.es
IFAC Workshop Intelligent Assembly and Disassembly IAD 2007	May 23 – 25	Alicante Spain	http://www.aurova.ua.es:8080/iadims07/ e-mail: iad07@dfists.ua.es
IFAC Symposium Computer Applications in Biotechnology – CAB-10	June 04 – 06	Cancun Mexico	http://www.cab2007.org/ e-mail: secretariat@cab2007.org
IFAC Symposium Dynamics and Control of Process Systems – DYCOPS-8	June 06 – 08	Cancun Mexico	http://www.dycops2007.org/ e-mail: secretariat@dycops2007.org
IEEE/IFAC Intl. Workshop Robot Motion and Control – RoMoCo'07	June 11 – 13	Bukowy Poland	http://romoco.put.poznan.pl/ e-mail: krzysztof.kozlowski@put.poznan.pl
IFAC Workshop Dependable Control of Discrete Systems – IFAC DCDS07	June 13 – 15	Paris France	http://www.japura.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 11th 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

FORTHCOMING EVENTS (ctd.)

Title	2007	Place	Further Information
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 6th Intelligent Autonomous Vehicles – IAV	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
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 Copnference 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	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
Title	2009	Place	Further Information
IFAC Symposium Identification and System Parameter Estimation – SYSID'09	July 06 – 08	St. Malo France	http:// to be announced e-mail: to be announced
IFAC Symposium Advanced Control of Chemical Processes ADCHEM	July 12 – 15	Istanbul Turkey	http:// to be announced e-mail: to be announced
Title	2010	Place	Further Information
IFAC Symposium Nonlinear Control Systems – NOLCOS 2010	June 30 – July 2	Bologna Italy	http:// to be announced e-mail: to be announced

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