At its core, IFAC is run by a small army of volunteers all over the world. They collaborate under the auspices of IFAC. Their activities are coordinated, and subject to quality control, through Technical Committees and IFAC’s Technical Board, all of them ably assisted by the Secretariat. It is the work of these volunteers that makes IFAC what it is, and it is the quality of their work that provides IFAC with its reputation.

Today in research, and funding agencies more particularly, interdisciplinary research is in vogue, and attracts the most attention. By its very nature, our field of systems and control is one that is very attractive for interdisciplinary research, and we may look forward to a very bright future indeed. New fields like systems biology (well not so new, but very much in full swing), or new problems like sustainability, are at their very core systems engineering problems. Our field can make and will make substantial contributions (through collaboration with others). We can see this already in the development of our conferences and many of the IFAC technical activities.

Within this context of change, it is natural to question if the old(er) structures, such as the Technical Board and its subcommittees, that were created when disciplines progressed as islands, serve us well. Indeed does the TB serve IFAC well? I would like to pose this question to our members, and seek their input. All inputs are welcome, and you can reach me on i.mareels@unimelb.edu.au with your point of view.

At first sight, and thinking back to our volunteers, the flexibility of the TB and its subcommittees are the main asset we have in this changing environment. As long as we coordinate the activities of the volunteers well, whilst ensuring that they have sufficient freedom to propose technical activities that serve our members, IFAC has nothing to fear. The technical activities will grow and wane with the scientific community supporting them as they are the true reflection of the living organism, which we call the IFAC family. In this sense I believe that the present quality control structure is serving us well, and I look forward to helping to maintain and build the reputation of IFAC as a key provider of quality technical activities that serve our community.

Iven Mareels, TB Chair

Below you can find an outline of the current TB structure, giving also an overview of the persons who are heading the various groups.

Apart from the Chair of the Technical Board who is, at the same time, one of the two Vice-Presidents of IFAC, the TB has a Vice-Chair and 14 ordinary members. Of these, some have specific tasks, such as advisory functions with respect to the next World Congress or liaison tasks to the publications sector. We shall introduce them in greater detail in one of the next issues of the IFAC Newsletter.

With 40 Technical Committees, coordination is a major issue to avoid any overlaps, duplication of efforts, redundancies, etc. Thus, the 40 Committees are grouped into three areas:

Area 1: Theory
Area 2: Technology
Area 3: Applications

These areas are then, again, subdivided into 9 Coordinating Committees, each of which is headed by a Coordinating Committee Chair, who is at the same time one of the 14 TB members. Each Coordinating Committee is in charge of up to five Technical Committees.
Area 1 – THEORY

Coordinating Committee (CC) 1:
CC Chair: Systems and Signals
TC 1.1. Modelling, Identification and Signal Processing Hakan Hjalmarsson
TC 1.2. Adaptive and Learning Systems Alexander Fradkov
TC 1.3. Discrete Event and Hybrid Systems Alessandro Giua
TC 1.4. Stochastic Systems Charalampos Charalambous
TC 1.5. Networked Systems Karl Henrik Johansson

Coordinating Committee (CC) 2:
CC Chair: Design Methods
TC 2.1. Control Design Alessandro Astolfi
TC 2.2. Linear Control Systems Luc Dugard
TC 2.3. Non-Linear Control Systems Xiaohua Xie
TC 2.4. Optimal Control A.M. Tarasyev
TC 2.5. Robust Control Faryar Jabbari

Area 2 – TECHNOLOGY

Coordinating Committee (CC) 3:
CC Chair: Computers, Cognition and Communication
TC 3.1. Computers for Control Matjaz Colaneri
TC 3.2. Cognition and Control Marek Wegrzyn
TC 3.3. Computers, Communication and Telematics Antonio Barroso Ruano

Coordinating Committee (CC) 4:
CC Chair: Mechatronics, Robotics and Components
TC 4.1. Components and Technologies for Control Klaus Schilling
TC 4.2. Mechatronic Systems Hidéki Hashimoto
TC 4.3. Robotics Mireille Bayart
TC 4.4. Cost Oriented Automation Wan Chul Yoon
TC 4.5. Human Machine Systems

Coordinating Committee (CC) 5:
CC Chair: Manufacturing and Logistics Systems
TC 5.1. Manufacturing Plant Control Laszlo Monostori
TC 5.2. Manufacturing Modelling for Management and ControlCarlos Eduardo Pereira
TC 5.3. Enterprise Integration and Networking Jose Coronel
TC 5.4. Large Scale Complex Systems Herve Panetto

Coordinating Committee (CC) 6:
CC Chair: Power and Process Systems
TC 6.1. Chemical Process Control Sigurd Skogestad
TC 6.2. Mining, Mineral and Metal Processing Francis J. Doyle III
TC 6.3. Power Plants and Power Systems Kazuya Asano
TC 6.4. Fault Detection, Supervision & Safety of Techn. Processes Istvan Erlich

Coordinating Committee (CC) 7:
CC Chair: Transportation and Vehicle Systems
TC 7.1. Automotive Control Lars Nielsen
TC 7.2. Marine Systems Gianfranco Rizzo
TC 7.3. Aerospace Antonio Pascoal
TC 7.4. Transportation Systems Houria B. Siguerdidjane
TC 7.5. Intelligent Autonomous Vehicles Anastasios Chassiakos

Coordinating Committee (CC) 8:
CC Chair: Bio- and Ecological Systems
TC 8.1. Control in Agriculture Michel Devy
TC 8.2. Biological and Medical Systems Noboru Noguchi
TC 8.3. Modelling and Control of Environmental Systems Steen Andreasen
TC 8.4. Biosystems and Bioprocesses Andrea Castelletti

Coordinating Committee (CC) 9:
CC Chair: Social Systems
TC 9.1. Economic and Business Systems Fei-Yue Wang
TC 9.2. Social Impact of Automation Frederique Mayer
TC 9.3. Developing Countries Ibrahim Eksin
TC 9.4. Control Education Bozenna Pasik-Duncan
TC 9.5. Supplemental Ways of Improving International Stability Peter Kopacek

Iven Mareels
Vice President
Technical Board Chair

Iven Mareels was born in Aalst, Belgium on 11 August 1959. He obtained the (ir) Masters degree of Electromechanical Engineering from Gent University, Belgium in 1982 and the PhD in Systems Engineering from the Australian National University, Canberra, Australia in 1987. Since 1996, he has been a Chair Professor of Electrical and Electronic Engineering in the Department of Electrical and Electronic Engineering, the University of Melbourne. In June 2007, he became Dean of the School of Engineering.

Previously he was a Reader at the Australian National University (1990-1996), a lecturer at the University of Newcastle (1988-1990) and the University of Gent (1986-1988).

He has received several awards in recognition of his research and teaching. He was a recipient of a 2006 Clunes Ross Award, Academy of Technological Sciences and Engineering for his work on Smart Irrigation Systems, work that was also featured at the 2005 IFAC World Congress in Prague at a semi-plenary. In 2007 he received the inaugural Vice-Chancellor’s Knowledge Transfer Excellence Award from the University of Melbourne, for his work in large scale irrigation systems with Rubicon Systems Australia. In 2005, he was named IEEE CSS Distinguished Lecturer, and in 1994 received the Vice-Chancellor’s Award for Excellence in Teaching from the Australian National University. He was a co-editor in chief of Systems & Control Letters till December 2007. He has received several awards for his publications.

He is Fellow of the Academy of Technological Sciences and Engineering, Australia, a Fellow of the Institute of Electrical and Electronics Engineers (USA), a member of the Society for Industrial and Applied Mathematics, a Fellow of the Institute of Engineers Australia, a Member of the Asian Control Association, and a member of the organizing committee for the Asian Control Conference and for the Mathematical Theory in Networks and Systems conference. Over the period Jan 2003-Dec 2005 he was a member of the Board of Governors of the Control Systems Society IEEE. He is registered with the Institute of Engineers Australia as a professional engineer. He is Chair of the National Committee for Automation, Control and Instrumentation and is now Chair of the Technical Board of the International Federation of Automatic Control for the triennium 2008-2011.

He has extensive experience in consulting for both industry and government. He has strong interests in education. He has taught a broad range of subjects in both mechanical and electrical engineering curricula. He was one of the developers of the Bachelor of Engineering at the Australian National University and one of the architects of the new 3+2 Master of Engineering education at Melbourne. His research interests are in adaptive and learning systems, nonlinear control and modelling. At present he has strong research interests in modelling and controlling of large scale systems, both engineered as well as natural systems, with a particular interest in modelling and control of epilepsies.
<table>
<thead>
<tr>
<th>Title</th>
<th>Date</th>
<th>Place</th>
<th>Further Information</th>
</tr>
</thead>
</table>
e-mail: zdenek.slanina@vsb.cz |
| IMACS/IFAC Conference Mathematical Modelling – MATHMOD 09 | February 11 – 13 | Vienna, Austria | http://www.mathmod.at  
e-mail: inge.troch@stadtkirche.at |
| IFAC Workshop Control Applications of Optimization CAO | May 06 – 08 | Jyväskylä, Finland | http://www.automatizioserca.fi/CAO’09  
e-mail: office@atu.fi |
e-mail: fet2009@hanyang.ac.kr |
| IEEE/IFAC Intl. Workshop Robot Motion and Control - RoMoCo’09 | June 01 – 03 | Czerniejewo, Poland | http://romoc.put.poznan.pl  
e-mail: krzysztof.kozlowski@put.poznan.pl |
| IFAC Symposium Information Control Problems in Manufacturing - INCOM 2009 | June 03 – 05 | Moscow, Russia | http://incom09.org  
e-mail: noc@incom09.org |
| IFAC Workshop 2nd Dependable Control of Discrete Systems - DCDS’09 | June 10 – 12 | Bari, Italy | http://dccds09.poliba.it  
e-mail: dccds09@deemail.poliba.it |
| IFAC Symposium Robust Control Design – ROCOND | June 16 – 18 | Haifa, Israel | http://www.technion.ac.il/~rocond09  
e-mail: rocond09@technion.ac.il |
| IFAC Conference Analysis and Control of Chaotic Systems - CHAOS 2009 | June 22 – 24 | London, UK | http://www.elec.qmul.ac.uk/chaos09  
e-mail: chaos09@qmul.ac.uk |
e-mail: agnfcs09@ssc.smr.ru |
| IFAC Symposium Fault Detection, Supervision and Safety for Technical Processes - SAFEPROCESS | June 30 - July 3 | Barcelona, Spain | http://safeprocess09.upc.es  
e-mail: joseba.quevedo@upc.edu |
| IFAC/CIGRE Symposium Power Plants and Power Systems | July 05 – 08 | Tampere, Finland | http://pppsc09.automatizioserca.fi  
e-mail: office@atu.fi |
e-mail: secretariat@sysid2009.org |
| 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 Workshop Control of Distributed Parameter Systems | July 20 – 24 | Toulouse, France | http://www.laas.fr/CDPS09  
e-mail: to be announced |
| IFAC Symposium Modelling and Control in Biological and Medical Systems – MCBMS 09 | August 12 – 14 | Aalborg, Denmark | http://www.mcbms09.hist.aau.dk  
e-mail: mcbms09@hist.aau.dk |
| 14th Intl. IEEE/IFAC Conference Methods and Models in Automation and Robotics – MMINAR-09 | August 19 – 21 | Miedzyzdroje, Poland | http://mmnar.edu.pl  
e-mail: mmnar@ps.pl |
| European Control Conference - in cooperation with IFAC | August 23 – 26 | Budapest, Hungary | http://www.conferences.hu/ecc09/  
e-mail: ecc09@conferences.hu |
e-mail: vravsan@automation.ucv.ro |
| IFAC Symposium Control in Transportation Systems - CTS 2009 | September 02 – 04 | Redondo Beach, CA, USA | http://ee.usc.edu/CTS09/  
e-mail: ioannou@usc.edu |
e-mail: syroco2009.office@syroco2009.org |
e-mail: safecomp2009@safecomp.org |
| IFAC Conference Analysis and Design of Hybrid Systems - ADHS 09 | September 16 – 19 | Zaragoza, Spain | http://disiconf.cps.unizar.es/adhs09/web/  
e-mail: adhs09@unizar.es |
<table>
<thead>
<tr>
<th>Title</th>
<th>Year</th>
<th>Place</th>
<th>Further Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFAC Conference Manoeuvring and Control of Marine Craft (MCMC'2009)</td>
<td>September 16 – 18</td>
<td>Guaruja, Brazil</td>
<td><a href="http://www.mecanica-poliusp.org.br/07even/cont/mcmc/home.html">http://www.mecanica-poliusp.org.br/07even/cont/mcmc/home.html</a> e-mail: <a href="mailto:mcmc2009@ipoli.usp.br">mcmc2009@ipoli.usp.br</a></td>
</tr>
<tr>
<td>IFAC Conference 2nd Intelligent Control Systems and Signal Processing – ICONS '09</td>
<td>September 21 – 23</td>
<td>Istanbul, Turkey</td>
<td><a href="http://www.icon2009.org">http://www.icon2009.org</a> e-mail: <a href="mailto:icons09@boun.edu.tr">icons09@boun.edu.tr</a></td>
</tr>
<tr>
<td>IFAC Workshop Estimation and Control of Networked Systems</td>
<td>September 24 – 26</td>
<td>Venice, Italy</td>
<td><a href="http://www.necsys.org">http://www.necsys.org</a> e-mail: <a href="mailto:zampi@dei.unipd.it">zampi@dei.unipd.it</a></td>
</tr>
<tr>
<td>IFAC Workshop Discrete Event System Design – DesDes’09</td>
<td>October 06 – 08</td>
<td>Gandia, Valencia, Spain</td>
<td><a href="http://www.desdes.urz.zgora.pl">http://www.desdes.urz.zgora.pl</a> e-mail: <a href="mailto:DESDess@iic.urz.zgora.pl">DESDess@iic.urz.zgora.pl</a></td>
</tr>
<tr>
<td>IFAC(IEEE) Workshop Networked Robotics</td>
<td>October 06 – 08</td>
<td>Golden CO, USA</td>
<td><a href="http://control.mines.edu/netrob09/">http://control.mines.edu/netrob09/</a> e-mail: <a href="mailto:knoore@mines.edu">knoore@mines.edu</a></td>
</tr>
<tr>
<td>IFAC Workshop Mining, Mineral and Metal Industry</td>
<td>October 14 – 16</td>
<td>Viña del Mar, Chile</td>
<td><a href="http://www.ifacmmm2009.com/">http://www.ifacmmm2009.com/</a> e-mail: <a href="mailto:info@ifacmmm2009.com">info@ifacmmm2009.com</a></td>
</tr>
<tr>
<td>IFAC Symposium Advances in Control Education</td>
<td>October 21 – 23</td>
<td>Kumamoto, Japan</td>
<td><a href="http://www.ace2009.cs.kumamoto-u.ac.jp">www.ace2009.cs.kumamoto-u.ac.jp</a> e-mail: to be announced</td>
</tr>
<tr>
<td>IFAC Workshop Engine and Powertrain Control and Modeling (E-COSM'09)</td>
<td>November 30 - December 2</td>
<td>Rueil-Malmaison, Paris, France</td>
<td><a href="http://events.ifp.fr/ECS0M09">http://events.ifp.fr/ECS0M09</a> e-mail: to be announced</td>
</tr>
<tr>
<td>IFAC(IEEE) Symposium Computer Applications in Biotechnology - CAB</td>
<td>July 05 – 07</td>
<td>Leuven, Belgium</td>
<td><a href="http://to">http://to</a> be announced e-mail: to be announced</td>
</tr>
<tr>
<td>IFAC Symposium Dynamics and Control of Process Systems - DYCOPS</td>
<td>July 11 – 14</td>
<td>Villeneuve d’Ascq, France</td>
<td><a href="http://sss2010.ulbsibiu.ro/">http://sss2010.ulbsibiu.ro/</a> e-mail: <a href="mailto:p.borne@ee-lille.fr">p.borne@ee-lille.fr</a></td>
</tr>
<tr>
<td>IFAC Symposium Advances in Automotive Control</td>
<td>July 12 – 14</td>
<td>Munich, Germany</td>
<td><a href="http://to">http://to</a> be announced e-mail: to be announced</td>
</tr>
<tr>
<td>IFAC Symposium Mining, Mineral and Metal Processing</td>
<td>August 02 – 04</td>
<td>Cape Town, South Africa</td>
<td><a href="http://to">http://to</a> be announced e-mail: to be announced</td>
</tr>
<tr>
<td>IFAC Symposium Nonlinear Control Systems - NOLCOS 2010</td>
<td>September 01 – 03</td>
<td>Bologna, Italy</td>
<td><a href="http://www.nolcos2010.unibo.it/">http://www.nolcos2010.unibo.it/</a> e-mail: <a href="mailto:lmarconi@deis.unibo.it">lmarconi@deis.unibo.it</a></td>
</tr>
<tr>
<td>IFAC Symposium Intelligent Autonomous Vehicles - IAV</td>
<td>September 06 – 08</td>
<td>Lecce, Italy</td>
<td><a href="http://iav2010.unile.it/">http://iav2010.unile.it/</a> e-mail: <a href="mailto:iav2010@unile.it">iav2010@unile.it</a></td>
</tr>
<tr>
<td>IFAC Symposium Automatic Control in Aerospace</td>
<td>September 06 – 10</td>
<td>Nara, Japan</td>
<td><a href="http://www.space.t.u-tokyo.ac.jp/aca2010">www.space.t.u-tokyo.ac.jp/aca2010</a> e-mail: to be announced</td>
</tr>
<tr>
<td>IFAC Conference Management and Control of Production and Logistics – MCPL-2010</td>
<td>September 08 – 10</td>
<td>Coimbra, Portugal</td>
<td><a href="http://www.dei.uc.pt/MCPL2010">http://www.dei.uc.pt/MCPL2010</a> e-mail: to be announced</td>
</tr>
<tr>
<td>IFAC Symposium Mechatronic Systems</td>
<td>September 13 – 15</td>
<td>Boston, MA, USA</td>
<td><a href="http://to">http://to</a> be announced e-mail: to be announced</td>
</tr>
<tr>
<td>IFAC Symposium Telematics Applications – TA’2010</td>
<td>October 05 – 08</td>
<td>Timisoara, Romania</td>
<td><a href="http://www.upt.ro/ta2010">http://www.upt.ro/ta2010</a> e-mail: to be announced</td>
</tr>
</tbody>
</table>

Offenlegung:
Das Medienwerk ‘IFAC Newsletter’ wird als Organ der ‘International Federation of Automatic Control’ (IFAC) verlegt und ist Eigentum dieser Internationalen Föderation, deren Tätigkeit der Förderung von Wissenschaft und Technik automatischer Regelung und Steuerung dient. Die Föderation hat ihren Sitz in Zürich und ist nach Schweizer Recht als gemeinnütziger Verein angemeldet. Sie verfolgt weder wirtschaftliche noch praktische Ziele. Das Sekretariat der IFAC befindet sich seit 1978 aufgrund eines Übereinkommens mit der Österreichischen Bundesregierung mit der Österreichischen Akademie der Wissenschaften in Luxemburg. Der ‘IFAC Newsletter’ erscheint sechsmal jährlich in englischer Sprache unter der Redaktion des Generalsekretärs der IFAC, Univ.Professor Kurt Schlacher. Die Zeitschrift dient der Information über die Aktivitäten der IFAC. Sie wird kostenlos an Abonnenten in 50 Länder versandt. Die Kosten werden von der IFAC aus Beiträgen der derzeit 52 Mitgliedsländer getragen. Präsident der IFAC für 2008-2011 ist Prof. Alberto Isidori (Italien), Vizepräsidenten sind Prof. Iven Mareels (Australien) und Prof. Roger Goodall (Großbritannien). Alle Funktionen werden ehrenamtlich ausgeübt. (To our readers: To comply with the Austrian ‘Media Act’, every publication must contain a declaration once a year concerning ownership and purpose, as above.)