IFAC International Federation of Automatic Control

2010 No. 4 August

Newsletter

Contents:

**Reminder:
Call for Nominations**

**Harold Chestnut
Control Engineering
Textbook Prize**

nominations must be received by close of business on

September 30, 2010

The guidelines for the submission of nominations were published in the Number 1, February 2010 issue of the IFAC Newsletter, pp 4. You can find this Newsletter online at:

http://www.ifac-control.org/ newsletter_archive/IFAC_Newsletter_2010_1_February.pdf

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IFAC Council- and Related Meetings
June 30 - July 2, 2010
in conjunction with
American Control Conference
June 30 - July 2, 2010
Baltimore, MD, USA

The annual Council- and Related Meetings took place in Baltimore, MD, USA from June 30 – July 2, 2010, in conjunction with the American Control Conference. The items discussed included, among others, the preparation for the next World Congress in Milan, the development of IFAC PapersOnLine, event management and the organization of the Technical Board, financial issues in connection with the international economic situation, etc. Some very important decisions were due to be taken by the Council this year.

Vote on Congress Venue 2017

One of these decisions was the selection of the President and Congress venue for the 20th IFAC World Congress in 2017. Already at last year's Council meeting, which was held in London, UK, a first preselection had been made, since there were 6 applications to host the 2017 Congress. After the presentations in London, the number of candidates was narrowed down to three. These candidates were invited to make a comprehensive presentation at this year's Council meeting. All three presentations were excellent and each of the candidate NMOs would have well deserved to win the bid. However, there can only be one to be selected. In a Closed Meeting, the Council then voted, and the French NMO was the winner of the bid and will host the 20th IFAC World Congress in Toulouse, France, in 2017. The President in the 2014 – 2017 period will be Janan Zaytoon.

Apart from his scientific and research activities, Janan Zaytoon has served in many IFAC functions, among them as member of the Council from 2008 to 2011, head of the French National Member Organization since 1999, Chair of the Technical Committee on Discrete

Event and Hybrid Systems from 2005 to 2008, Vice-Chair of this Technical Committee from 2002 to 2005 and 2008 to 2011, member of the Publication Committee of IFAC from 2008 to 2011, Editor of the IFAC Journal "Control Engineering Practice" and the Affiliated IFAC Journal "Nonlinear Analysis: Hybrid Systems". He also served in many IFAC events as IPC Chair or Co-Chair (ADHS'03, WODES'04, MCBMS'06, ADHS'06, ICINCO'07, ADHS'09), NOC Chair (WODES'04, CHAOS'06, MCBMS'06) or Co-Editor (ADHS'03, WODES'04, MCBMS'06, ADHS'06, ICINCO'07, ADHS'09). He is also the IPC and/or NOC Chair (or Co-Chair) of 5 other international conferences, 5 national conferences, 1 International School, and he contributed to 78 conferences, including 46 IFAC events, as IPC and/or NOC member. Thus we may say that Janan knows IFAC from inside out. After the election of France as venue of the 2017 Congress, Janan Zaytoon presented the team that will lead the organization of the Congress from the technical, scientific and administrative point of view.

Janan Zaytoon

Team for the 2017 IFAC World Congress
standing from left to right: L. Dugard, H.Panetto, J.M. Dion, H. Siguerdidjane, S. Boverie
sitting in front: D. Dochain

Past, Present and Future IFAC Presidents
from left to right: W.H. Kwon (Immediate Past President 2005 - 2008), A. Isidori (President 2008 - 2011), I. Craig (President Elect 2011 - 2014), J. Zaytoon (Future President 2014 - 2017)

Fellows 2010

There were further important decisions to be taken at the Council Meeting. One of them was the vote on the IFAC Fellow nominees who were proposed by the Fellow Selection Committee. The Council voted in favour of the 17 candidates who are Fellows as of now. The Awarding Ceremony for the 2009, 2010 and 2011 Fellows will take place in the framework of the IFAC World Congress in Milan, August 28 – September 23, 2011.

Chris Byrnes

One of the persons nominated for Fellowship in 2010 was Chris Byrnes. It was with great dismay and sadness that we learned of his sudden and unexpected passing during his first part of a three-year visiting professorship at KTH in Sweden.

Chris Byrnes was the author of more than 250 technical papers and books, and his contributions to mathematics and engineering spanned a wide set of topics. He had an almost encyclopaedic knowledge of large portions of mathematics, and he brought deep mathematical insight and a plethora of advanced mathematical tools to tackle important and difficult problems in systems and control theory.

He was a Fellow of the IEEE, two time winner of the George Axelby Prize, and received an Automatica Best Paper Award from the International Federation of Automatic Control. In 2005 he was awarded the Reid Prize from the Society for Industrial and Applied Mathematics (SIAM) for his contributions to Control Theory and Differential Equations, in 2008 he received the Hendrik W. Bode Prize for fundamental contributions to algebraic and geometric approaches to systems and control, and in 2009 he was named an inaugural Fellow of SIAM.

Chris was also a gifted teacher and expositor. Just before he died he submitted the final revised version of an invited survey for the Notices of the American Mathematical Society on topological methods for nonlinear oscillations, which to his delight was very highly praised by the referees and the editor.

In recognition of his eminent role as a teacher, scientist and researcher, the IFAC Council unanimously voted to award IFAC Fellowship to Chris Byrnes posthumously. A few days after the Council meeting, the IFAC President wrote a letter to his widow, conveying the deep sympathy of IFAC and informing her of the posthumous Fellowship for Chris Byrnes.

In the next issues of the IFAC Newsletter there will be more information on the newly elected IFAC Fellows. For now, however, their names are listed here in alphabetical order:

Panos Antsaklis
Siva Banda
Ross Barmish
Chris Byrnes (awarded posthumously)
Ruwei Dai
Denis Dochain
Tyrone Duncan
Sam Shuzi Ge
Jessy Grizzle
Shinji Hara
Mustafa Khammash
Wook Hyun Kwon
Qiu Li
Anders Lindquist
Andrew Teel
Masayoshi Tomizuka
Ali Ulsoy

Quazza Medal
Nichols Medal
Industrial Achievement Award
High Impact Paper Award

These four names stand for the major awards which are presented at the opening ceremony of every IFAC World Congress. The latest addition to this group of awards is the High Impact Paper Award, which will be presented in Milan. for the first time A Call for Nominations for all these awards led to several high-quality proposals, each of which would have merited to win one of these awards. Again, there can only be one winner each, so the Selection Committees had the very difficult task of proposing a possible winner to the Council. In its Closed Session, the Council then voted as follows:

Hidenori Kimura
Quazza Medal Winner 2011

Siva Banda
Nichols Medal Winner 2011

Anton van Zanten
Industrial Achievement Award Winner 2011

David Mayne (co-authors: J.B. Rawlings, C.V. Rao and P.O.M. Scokaert)
High Impact Paper Award Winner 2011

In the next issues of the IFAC Newsletter we shall introduce these scientists to you in greater detail.

IFAC PapersOnLine

By June 2009, proceedings of 41 technical meetings, including the ones of the last three World Congresses, have been archived on this website http://www.ifac-papersonline.net/. This corresponds to a total of about 10,500 technical papers. By June 15, 2010, Proceedings of 13 more Technical Meetings, mostly held in 2009, have been added (bringing the total number of archived papers to about 12,000). All IFAC-PapersOnLine papers are now indexed by Scopus. Negotiations to be listed also with other indices are under way. Also institutional subscriptions are now available as is print on demand of individual issues of Proceedings volumes. At the moment, there are about 7,000 registered users, who have downloaded nearly 50,000 papers.

SAFEPROCESS 2009
IFAC Symposium
Barcelona, Spain, June 30 – July 3, 2009

The IFAC SAFEPROCESS Symposium series is devoted to fault detection, diagnosis and safety of technical processes. The first symposium took place in Baden-Baden in 1991. This was followed, at three-year intervals, by Helsinki, Hull, Budapest, Washington and Beijing. At the invitation of the Spanish NMO of IFAC, Barcelona was selected as the venue of the 2009 Symposium.

The National Organizing Committee was chaired by Joseba Quevedo, of the Technical University of Catalonia. The key members of the NOC were Teresa Escobet, Bernardo Morcego, Vicenc Puig and Andreu Quesada, responsible for local arrangements, computer support, publications and finances, respectively. They were supported by a large group of enthusiastic young people.

An International Program Committee was set up, with Janos Gertler as chair, Ron Patton as co-chair and Alf Isaksson as industrial vice-chair. The IPC had 28 additional members. This was a "working" IPC; the subject area was subdivided into sub-areas and each IPC member had full responsibility for the papers in one of those sub-areas, obtaining reviews and making acceptance/rejection recommendations. Invited session proposals were solicited and 14 of those received by the IPC. The papers in the invited sessions were subjected to the same individual reviewing and acceptance/rejection decisions as the contributed papers. Thirteen of the invited sessions finally materialized, several of them supplemented with appropriate contributed papers, in place of the invited ones rejected in the reviewing process.

A total of 381 regular paper submissions were received, 90 for the invited sessions and 291 contributed directly by the authors. Due to the diligent work of the members of the IPC, 1039 reviews were obtained, an average of 2.72 per paper. 68 invited and 198 contributed papers were finally accepted. Of the latter, 8 were then withdrawn before the Symposium and 3 were scheduled but not presented ("no show"). The papers were arranged into 45 sessions (13 invited and 32 contributed) that took place in five parallel tracks.

The IPC and NOC placed a great emphasis on the selection of plenary and semi-plenary subjects, and the invitation of outstanding people to present them. Three plenary and six semi-plenary lectures were arranged, most of them dealing with various application areas.

The 3 plenaries were:
• Fault Detection and Isolation in Nonlinear Systems, Jozsef Bokor (Hungary)
• Airbus State of the Art and Practices on FDI and FTC, Philipe Goupil (France)
• Data-driven Fault Detection and Diagnosis for Complex Industrial Processes, Joe Qin (USA)

The 6 semi-plenaries were:
• Diagnosis and Prognosis of Automotive Systems: Motivations, History and Some Results, Giorgio Rizzoni, Simona Onori and Matteo Rubagotti (USA)
• Fault Diagnostics and Security of Critical Infrastructure Systems, Marios Polycarpou (Cyprus)
• Integrated Design of Control Structures and Embedded Diagnosis, Steven Ding (Germany)
• Strategies and Techniques for Safety and Performance Monitoring on Railways, Clive Roberts and Roger M. Goodall (UK)

• Fault Detection and Isolation in Sewer Networks, Vicenç Puig (Spain)
• Fault Tolerant Actuators and Drives, Marco Muenchhof, Mark Beck and Rolf Isermann (Germany)

In addition to the plenaries, Rolf Isermann gave a review at the opening session of the history of the Safeprocess Symposia, and his brief perspective on the state of the art.

The authors of the papers presented at the symposium came from 44 countries. Many papers had an international team of authors, thus it is difficult to talk of the distribution of papers by country.

A significant innovation has been the introduction of two symposium awards. The Paul Frank Award for the Best Theory Paper was established by the University of Duisburg-Essen, to commemorate the pioneering contributions of the late Professor Frank to the theory of fault detection and diagnosis. The ABB Best Application Paper Award was sponsored by the ABB Company. Either award carries a certificate and a cash-prize of 1000 Euros. Appreciation is due to Steven Ding and Alf Isaksson who negotiated the sponsorship of the awards with their respective organization.

Two award selection committees were set up, Ron Patton chairing the Frank Award committee and Rolf Isermann the ABB Award committee. They selected 5 resp. 6 finalists (who also received a certificate), based on the written papers and the reviews, then made their final selection of the winner after listening to the presentations. The winners and finalists are:

Paul Frank Best Theory Paper Award

Winner:
Subspace-based Fault Detection and Identification for LPV Systems, by Jianfei Dong, Balazs Kulcsar, Michel Verhaegen

Finalists:
Structured H∞/H- LPV Filters for Fault Diagnosis: Some New Results, by David Henry, Alexandre Falcoz, Ali Zolghadri
Fault Diagnosis for Takagi-Sugeno Nonlinear Systems, by Dalil Ichalal, Benoit Marx, Jose Ragot, Didier Maquin
Fault Diagnosis of a Class of Uncertain Nonlinear Systems with Lipschitz Nonlinearities, by Xiaodong Zhang, Marios M. Polycarpou, Thomas Parisini
A Randomised Subsampling Method for Change Detection, Erik Weyer, Sangho Ko, Marco Campi

ABB Best Application Paper Award

Winner:
Flight Control Reconfiguration Based on a Modular Approach, by Thomas Lombaerts, Quping Chu, J.A. (Bob) Mulder, Diederick Joosten

Finalists:
Nonlinear Observer-Based OFC Detection for A380 Aircraft, by Efraín Alcorta-García, Ali Zolghadri, Philippe Goupil, Loic Lavigne, Pascal Simon
Automotive Battery State-Of-Health Monitoring: A Parity Relation Based Approach, by Xiaodong Zhang, Ryan Grube, Kwang-Keun Shin, Mutasim

Salman, Robert Conell
Combining Stochastic Automata and Classification Techniques for Supervision and Safe Orchard Navigation, by Fabio Caponetti, Mogens Blanke
Comparison between Leak Detection Methods for Open Water Channels, by Nadia Bedjaoui, Erik Weyer
A Study of Rolling-Element Bearing Fault Diagnosis Using Motor's Vibration and Current Signatures, by Zhenyu Yang

Most of the plenary/semi-plenary lectures were really outstanding. The technical sessions were of very good quality. The award selection committees complained that they had a difficult task to pick the winner since there were so many good papers. The technical arrangements in the lecture rooms were perfect. It was the general feeling of the participants that the overall technical level of the symposium surpassed any and all of the past SAFEPROCESS Symposia.

Four of the (semi-)plenaries are being published in the IFAC journal Annual Reviews in Control. Four others, together with the finalists of the Application Award, are being considered for a special section in Control Engineering Practice. The Theory Award finalists are being recommended for consideration to Automatica. And one of the invited sessions is being offered for a special section in the International Journal of Robust and Nonlinear Control.

The participants were treated to a welcoming and farewell reception at the hotel, and lots of coffee and nibbles in the session breaks. Following a quick sight-seeing tour, the symposium banquet took place at an excellent sea-side restaurant. The winners and finalists of the awards were recognized at the banquet. One of the highlights of the evening was a rendition of La Cucaracha by the Safeprocess Trio, Joseba Quevedo, Ron Patton

and Cristina Verde (NOC Chair of Safeprocess 2012, Mexico City).

Barcelona, of course, is an ideal location. While most hard-core Safeprocess enthusiasts would probably have gone to wherever the meeting was organized, it was certainly a great extra bonus to get Barcelona as part of the conference package.

Janos Gertler

The Safeprocess Trio: Joseba Quevedo, Ron Patton, Cristina Verde

Manoeuvring and Control of Marine Craft - MCMC'2009
IFAC Conference (18th)
Guarujá (SP) , Brazil, 16 - 18 September, 2009

MCMC009 was organized by the Polytechnic School of the University of São Paulo (EPUSP), Brazil, in cooperation with the Automatic Brazilian Society (SBA), a national member organization of the International Federation of Automatic Control (IFAC).

The 8th Conference on Manoeuvring and Control of Marine Craft (MCMC'2009) took place in Guarujá (SP), Brazil, from September 16-18, 2009. For this conference, around 90 papers were submitted by the international scientific community. There were papers from 20 different countries. The papers were generally of very high level, which made the work of the program committee and reviewers to arrive at the final decision easy, choosing 67 works from 17 different countries. Most of the papers had up to three reviewers from among the members of the FAC Technical Committee on Marine Systems. We had 2 invited sessions (GREX and Charlie AUV) and 6 invited papers for the Plenary Sessions: 3 from Europe, 1 from Japan and 2 from Brazil. Three of them deal with ship and offshore problems and 3 with UV problems.

As planned, there were six plenary talks, as follows:

1. Professor Kokei Ohtsu - Emeritus Professor in Tokyo University of Marine Science and Technology
"A statistical analysis and control of ships"

2. Dr. Vicent Rigaud - Director of the underwater system department - IFREMER.
"Overview of underwater systems from manned submersibles to AUVs"

3. Professor Philip Wilson - School of Enginee-

ring Sciences - University of Southampton
"Controlling underwater vehicles"

4. Prof. Kazuo Nishimoto - Universidade de São Paulo and Dr. Marcos Donato - CENPES/Petrobras
„Development of Numerical Offshore Tank for Ultra Deep Water Oil Production Systems with Multi-Bodies"

5. Prof. Sergio Hamilton Sphaier - COPPE Universidade Federal do Rio de Janeiro
"Evolution of Crude Oil Offshore Loading in Brazilian Waters"

6. Dr. Daniel Toal and Dr. Edin Omerdic - Department of Electronic and Computer Engineering at the University of Limerick - Ireland
„Smart ROV LATIS: From Design Concepts to Test Trials

Concerning the papers, we could roughly identify two main research lines in this conference. The first one is the classical conference theme on the manoeuvring and control of ships and other rigs. The second one is on robotic marine vehicles, including autonomous surface and underwater vehicles. Considering the theoretical approach, in controls the conference follows the international tendency, with many papers dealing with modelled control and a considerable number using the intelligent control technique. The emerging topic of the conference is the Multiple Marine Vehicle Systems which includes papers on cooperative navigation and control, cooperative control under severe communication constraints and architectures for teams of robotic marine vehicles.

To facilitate the participation in the conference a Book of Abstracts was printed and distributed.

Around 110 people attended the Conference, The main objectives - to bring together key academic and industrial practitioners for discussions and demonstrations of recent advances in navigation, guidance and control of marine crafts and to provide a forum where experienced researchers can interact with each other and with post-doctoral students in order to share experiences, motivate new research – were fully achieved.

The conference costs were covered by the Registration Fees and by the financial support of Transpetro from Petrobras and the following Brazilian institutions: FAPESP, FDTE and the Department of Mechanical and Naval Engineering from EPUSP. We had also 4 Brazilian institutional supporters: SOBENA (The Brazilian Society of Naval Engineering) , The Brazilian Navy, ABENDE (Brazilian Society for Non-Destructive Tests), the Tourist Bureau from Guarujá.

The TC on Marine Systems (MS) sponsored the meeting, which was also co-sponsored by the following TCs from IFAC: Modelling, Identification and Signal Processing (MISP); Adaptive and Learning Systems (ALS); Linear Control System (LCS); Robust Control (RoConD); Mechatronics and Control Design.

The conference had also a number of social events, promoting the meeting and the exchange of experiences among the participants: A Welcome Cocktail, a Farewell Cocktail, Coffee Breaks, the Conference Banquet and the Conference Dinner of the TC Marine System.
More on the Conference, may be found at:
http://www.mecanica-poliusp.org.br/07even/cont/mcmc/home.html

Décio Crisol Donha
NOC chairman

Title	2010	Place	Further Information
10th FISITA/IFACIntl. Symposium Advanced Vehicle Control - AVEC10	August 22 – 26	Loughborough UK	http://www.lboro.ac.uk/avec10 e-mail: avec10@lboro.ac.uk
Latin American Control Conference LACC - in cooperation with IFAC -	August 24 – 27	Santiago Chile	www.acca2010.usach.cl e-mail: congreso.acca2010@usach.cl
IFAC Workshop Adaptation and Learning in Control and Signal Processing - ALCOSP 2010 - in conjunction with	August 26 – 28	Antalya Turkey	http://www.ifacworkshops.org/ e-mail: ifacworkshops@boun.edu.tr
IFAC Workshop Periodic Control Systems – PSYCO 2010	August 26 – 28	Antalya Turkey	http://www.ifacworkshops.org/ e-mail: ifacworkshops@boun.edu.tr
IFAC Workshop Discrete Event Systems – WODES 2010	August 30 – September 1	Berlin Germany	http://www.wodes2010.org/ e-mail: info@wodes2010.org
IFAC Symposium Analysis, Design, and Evaluation of Human-Machine Systems- HMS	August 31 – Sept. 03	Valenciennes France	http://www.univ-valenciennes.fr/IFACHMS2010/ e-mail: contact-ifachms2010@univ-valenciennes.fr
IFAC Symposium Nonlinear Control Systems - NOLCOS 2010	September 01 – 03	Bologna Italy	http://www.nolcos2010.unibo.it/ e-mail: nolcos2010@morettieventi.it
IFAC Symposium Intelligent Autonomous Vehicles - IAV 2010	September 06 – 08	Lecce Italy	http://iav2010.unile.it/ e-mail: iav2010@unile.it
IFAC Symposium Automatic Control in Aerospace - ACA 2010	September 06 – 10	Nara Japan	http://www.space.t.u-tokyo.ac.jp/aca2010 e-mail: ifac-office@space.t.u-tokyo.ac.jp
IFAC Conference Management and Control of Production and Logistics – MCPL-2010	September 08 – 10	Coimbra Portugal	http://www.dei.uc.pt/MCPL2010 e-mail: mcpl2010@dei.uc.pt
IFAC Workshop 2nd Estimation and Control of Networked Systems (NecSys'10)	September 13 – 14	Annecy France	http://necsys2010.inrialpes.fr/ e-mail: carlos.canudas-de-wit@gipsa-lab.inpg.fr
IFAC Symposium Mechatronic Systems	September 13 – 15	Boston, MA USA	https://engineering.purdue.edu/IFACMech10/ e-mail: paden@engr.ucsb.edu
IFAC Symposium System Structure and Control	September 15 – 17	Ancona Italy	http://leibniz.diiga.univpm.it/SSSC10/ e-mail: to be announced
IFAC Conference Control Applications in Marine Systems - CAMS 2010	September 15 – 17	Rostock Germany	http://www.cams2010.uni-rostock.de e-mail: cams2010@uni-rostock.de
IFAC Workshop Intelligent Control Systems - WICS 2010	September 29 – October 02	Sinaia Romania	http://wics2010.ics.pub.ro/ e-mail: wics2010@ics.pub.ro
IFAC Workshop 50 Years of Nonlinear Control and Optimization	September 30 – October 01	London UK	http://cap.ee.ic.ac.uk/~astolfi/IFAC_HW_10/ e-mail: to be announced

FORTHCOMING EVENTS (ctd)

IFAC Symposium Telematics Applications – TA'2010	October 05 – 08	Timisoara Romania	http://www.upt.ro/ta2010 e-mail: office.ta2010@aut.upt.ro
IFAC Workshop Programmale Devices and Embedded Systems - PDeS	October 06 – 08	Pszczyne Poland	http://pdes.polsl.pl/ e-mail: pdes@polsl.pl
IFAC Workshop (4th) Fractional Differentiation and its Applications – FDA'10	October 18 – 20	Badajoz Spain	http://ees.fberg.tuke.sk/fda10 e-mail: fda10@tuke.sk
IFAC Workshop Supplemental Ways for Improving International Stability – SWIIS	October 27 – 29	Prishtina Kosovo	http://www.ubt-uni.net/swiis e-mail: ehajrizi@ubt-uni.net
CASIM/IFAC Conference Automation in the Mining Industry - AUTOMINING 2010	November 10 – 12	Santiago Chile	http://www.automining2010.com e-mail: automining@automining2010.com
IFAC Conference Modelling and Control in Agriculture, Horticulture and Post-Harvest Processing AGRICONTROL 2010	December 06 – 08	Kyoto Japan	http://elam.kais.kyoto-u.ac.jp/agricontrol2010/ e-mail: agrictrl@energy.kais.kyoto-u.ac.jp
Title	**2011**	**Place**	**Further Information**
Intl..Conference on Computer Aided Systems Theory - EUROCAST 2011	February 06 – 11	Las Palmas de G.C Spain	http://www.iuctc.ulpgc.es/spain/eurocast2011/ e-mail: eurocast@iuctc.ulpgc.es
IFAC WORLD CONGRESS – 18th Milano 2011	August 28 – Sept. 02	Milan Italy	http://www.ifac2011.org/ e-mail: info@ifac2011.org
SAE/IFAC Intl. Symposium Future Active Safety Technology towards zero-traffic-accident - FAST-zero'11	September 05 – 08	Tokyo Japan	http://www.fast-zero11.info/ e-mail: fast-zero11@ics-inc.co.jp
Title	**2012**	**Place**	**Further Information**
IFAC Symposium Information Control Problems in Manufacturing – INCOM 2012	May 23 – 25	Bucharest Romania	http://incom12.org (not yet operative)
IFAC Workshop Automatic Control in Offshore Oil and Gas Production	May 31 – June 1	Trondheim Norway	http://www.ifac-oilfield.no/ e-mail: to be announced
IFAC Workshop Dynamics and Control in Agriculture and Food Processing - DYCAF	June 13 – 16	Plovdiv Bulgaria	http:// to be announced e-mail: to be announced
IFAC Symposium Advanced Control of Chemical Processes - ADCHEM-2012	July 10 – 13	Singapore Singapore	http://www.adchem2012.org e-mail: ivan@adchem2012.org
IFAC Symposium System Identification – SYSID 2012	July 11 – 13	Brussels Belgium	http://www.sysid2012.org/ e-mail: secretariat@sysid2012.org
IFAC Symposium Control in Transportation Systems - CTS'12	September 12 – 14	Sofia Bulgaria	http:// to be announced e-mail: to be announced
Title	**2013**	**Place**	**Further Information**
IFAC Symposium Nonlinear Control Systems - NOLCOS	September 04 – 06	Toulouse France	http:// to be announced e-mail: to be announced