IFAC
INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL

NEWSLETTER

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IN THIS ISSUE:

Introducing the 2017 IFAC Paper Prize Winners

IFAC Paper Prizes (name changed to Journal Awards as of 2018) were selected by committees and presented at the IFAC World Congress closing ceremony in Toulouse, FR, July 2017. They consist of a certificate and financial component, both of which are provided by Elsevier, the official publisher of IFAC publications. Below you will find information about the first authors of all of the prize-winning papers. Further information about the paper prizes, including the names of all author team members, past winners, etc., can be found at: https://www.ifac-control.org/awards/journal-awards

Automatica: Three separate prizes were selected for papers in the following categories): 1. Survey, 2. Theory/Methodology, 3. Application

Automatica: Survey **A new kernel-based approach to hybrid system identification**

Gianluigi Pillonetto

Gianluigi Pillonetto was born on January 21, 1975 in Montebelluna (TV), Italy. He received the Doctoral degree in Computer Science Engineering cum laude from the University of Padova (IT) in 1998 and the Ph.D. degree in Bioengineering from the Polytechnic of Milan (IT) in 2002. In 2000 and 2002 he was visiting scholar and visiting scientist, respectively, at the Applied Physics Laboratory, University of Washington, Seattle (US). From 2002 to 2005 he was Research Associate at the Department of Information Engineering, University of Padova, becoming an Assistant Professor in 2005. He is currently an Associate Professor of Control and Dynamic Systems at the Department of Information Engineering, University of Padova.

Pillonetto's research interests are in the field of system identification, estimation and machine learning. On these topics, he has published around 60 papers in peer reviewed international journals. He currently serves as Associate Editor for Automatica and IEEE Transactions on Automatic Control. In 2003 he received the Paolo Durst Award for the best Italian Ph.D. thesis in Bioengineering, and he was the 2017 recipient of the Automatica Paper Prize. He will be a plenary speaker at the next IFAC Symposium on System Identification, SYSID 2018.

Automatica: Theory/Methodology **Conditions for stability of droop-controlled inverter-based microgrids**.

Johannes Schiffer

Johannes Schiffer received his Diploma degree in Engineering Cybernetics from the University of Stuttgart (DE), in 2009 and a Ph.D. degree (Dr.-Ing.) in Electrical Engineering from TU Berlin, (DE), in 2015. Currently he is a Lecturer (Assistant Professor) at the School of Electronic and Electrical Engineering, University of Leeds, (UK). Prior to that, he has held appointments as research associate in the Control Systems Group (2011 - 2015) and at the Chair of Sustainable Electric Networks and Sources of Energy (2009 - 2011), both at TU Berlin. His main research interests are in distributed control and analysis of complex networks with application to microgrids and power systems.

Automatica: Application **A new tool for set-based estimation and fault detection**

Joseph K. Scott

Joseph K. Scott is an Assistant Professor in the Department of Chemical and Biomolecular Engineering at Clemson University (Clemson, SC, US). He received his B.S. (2006) in Chemical Engineering from Wayne State University (Detroit, MI, US), and his M.S. (2008) and Ph.D. (2012) in Chemical Engineering from MIT (Cambridge, MA, US). His honors include the 2012 Best Paper Award from the Journal of Global Optimization, the 2016 W. David Smith, Jr.

The IFAC Journals

Automatica
http://www.journals.elsevier.com/automatica

Control Engineering Practice
http://www.journals.elsevier.com/control-engineering-practice

Engineering Applications of Artificial Intelligence
http://www.journals.elsevier.com/engineering-applications-of-artificial-intelligence

Journal of Process Control
http://www.journals.elsevier.com/journal-of-process-control

Annual Reviews in Control
http://www.journals.elsevier.com/annual-reviews-in-control

Journal on Mechatronics
http://www.journals.elsevier.com/mechatronics

Nonlinear Analysis: Hybrid Systems
http://www.journals.elsevier.com/nonlinear-analysis-hybrid-systems

IFAC Journal of Systems & Control
http://www.journals.elsevier.com/ifac-journal-of-systems-and-control

IFAC-PapersOnLine

http://www.journals.elsevier.com/ifac-papersonline

Award from the Computing and Systems Technology Division of the AIChE, and the 2016 Air Force Young Investigator Research Program Award. His research interests include dynamical systems, optimization theory, simulation and optimization of chemical processes, advanced process control, and fault diagnosis. Current applications focus optimization and control of renewable energy systems.

***Control Engineering Practice*: Optimal control for chatter mitigation in milling, Part 1: Modeling and Control Design, Part 2: Experimental Validation.**

Jérémie Monnin

Jérémie Monnin was born in Switzerland in 1980. He received the Engineer of University of Applied Sciences degree with honors in mechanical engineering from the University of Applied Sciences in St-Imier, (CH) in 2003, the Master of Engineering degree in mechanical engineering from the Polytechnic School, Montreal (CA) in 2006 and the Doctor of Science degree in mechanical and process engineering from the ETH Zurich (CH), in 2013.

From 2003 to 2004, he has been a Research and Laboratory Assistant with the Department of Mechanical Engineering, University of Applied Sciences in St-Imier. He has also been working from 2006 to 2013 as Research and Teaching Assistant with inspire AG, ETH Zurich. Since 2013, he is Research Engineer with Mikron Agie Charmilles AG, in Nidau (CH). His main research interests are in the fields of structural dynamics and model-based control.

Engineering Applications of Artificial Intelligence: Two separate prizes were awarded. **Protein secondary structure optimization using an improved artificial bee colony algortihm based and AB off-lattice model.**

Bai Li

Bai Li received a B.S. in 2013 from the School of Advanced Engineering, Beijing University of Aeronautics and Astronautics, China. He is currently working toward the Ph.D. degree in the College of Control Science and Engineering, Zhejiang University, China. From Nov. 2016 to June 2017 Li studied at the University of Michigan (Ann Arbor, MI, US) as a joint training PhD student. His research interests include intelligent motion planning of robots without human knowledge.

***Engineering Applications of Artificial Intelligence*: Iterated variable neighborhood search for the capacitated clustering problem**

Xiangjing Lai

Xiangjing Lai received the M.Sc. degree and the Ph.D. degree from the Department of Mathematics and College of Computer Science and Technology, Huazhong University of Science and Technology, Wuhan, China, in 2008 and 2012, respectively. He is currently an Associate Professor of Institute of Advanced Technology, Nanjing University of Posts and Telecommunications, China. His current research interests include tabu search algorithms, variable neighborhood search algorithms, hybrid evolutionary algorithms, swarm intelligence algorithms, and their applications in solving large-scale optimization problems in the real world.

Journal of Process Control: Three separate prizes were awarded: **Sustainablity and process control: A survey and perspective.**

Prodromos Daoutidis

Prodromos Daoutidis is College of Science and Engineering Distinguished Professor and Executive Officer in the Department of Chemical Engineering and Materials Science at the University of Minnesota- Twin Cities (US). He has co-authored five books and 250 papers, and has supervised 26 PhD students and postdocs to completion.

Daoutidis' current research is on control of complex process networks, design and operation of distributed renewable energy systems, and biomass conversion to fuels and chemicals. He is currently Programming Chair of the CAST Division of AIChE, Associate Editor for Process Systems Engineering in the AIChE Journal, and Associate Editor in the Journal of Process Control.

***Journal of Process Control*: Model predictive control using reduced order models: Guaranteed stability for constrained linear systems.**

Martin Löhning

Martin Löhning obtained the diploma (Dipl.-Ing.) degree in electrical engineering and information technology from the University of Karlsruhe in 2008. Afterwards he was a research and teaching assistant at the Institute for Systems Theory and Automatic Control at the University of Stuttgart. His research interests were the development of novel methods for nonlinear model reduction and predictive control using reduced models. He is currently a research engineer at the Robert Bosch GmbH, with a focus on signal processing and control for manifold application areas, such as electrical motors, climate control, and internal combustion engines. Martin Löhning received several prices for outstanding achievements during his studies.

***Journal of Process Control*: Optimization-based reduction of contour errors of heavy plates in hot rolling.**

Florian Schausberger

Florian Schausberger received the Dipl.-Ing. degree in mechatronics from Johannes Kepler University (Linz, AT) in 2011, and the Ph.D. degree in electrical engineering from TU Wien (Vienna, AT) in 2016. From 2012 to 2016, he was a research assistant with the Automation and Control Institute, TU Wien. His current research interests include the mathematical modeling of nonlinear dynamical systems and the model-based observer and controller design with a focus on rolling mill automation.

Mechatronics: Three separate prizes were awarded. **Design and control of a piezoelectric driven reticle assist device for prevention of reticle slip in lithography systems.**

Darya Amin-Shahidi

Darya Amin-Shahidi is currently a hardware architect at Apple Inc. (Cupertino, CA, US). He received his PhD in mechanical engineering from MIT in 2013, and his MS and BS from University of British Columbia (Vancouver, BC, CA) BC in 2006 and 2008. His research focus has been on precision mechatronics.

Throughout his graduate studies, Amin-Shahidi collaborated with AMSL on the design of a lithography subsystem, and with KLA Tencor on the development of a precise angular encoder calibration method. He has been the recipient of the Alexander Graham Bell Canada Graduate Scholarship for his PhD and MS degrees. Amin-Shahidi has been awarded the MIT Institute Award for Graduate Teaching. After receiving his PhD, he proceeded to work as a research technologist at HGST's Research Lab (San Jose, CA, US), where he researched data storage solutions and contributed to ten patents.

***Mechatronics*: Joint input shaping and feedforward for point-to-point motion: Automated tuning for an industrial nanopositioning system.**

Frank Boeren

Frank Boeren (born in 1987) received the Ph.D. degree (2016) and the M.Sc. degree (2012, cum laude) in Mechanical Engineering from the Eindhoven University of Technology (NL). His Ph.D. work has been awarded with the PhD Best Thesis Award in Systems and Control, which was granted by the Dutch Institute of Systems and Control (DISC). For his M.Sc thesis, he received the KIVI-NIRIA (Royal Dutch Institution of Engineers) Graduation Award for the best M.Sc. thesis in Mechanical Engineering.

Boeren's research interests include system identification for feedforward and feedback control, learning control, and applications in printing and semiconductor systems. Presently, he is working as a mechatronics design engineer at Océ Technologies (Venlo, NL).

***Mechatronics*: Repetitive control of functional electrical simulation for induced tremor suppression.**

Chris Freeman

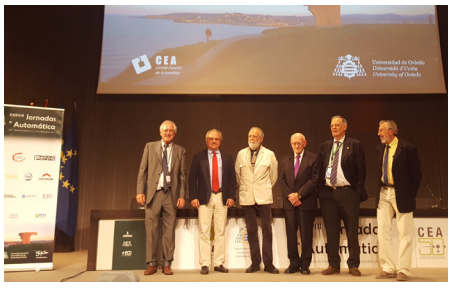
Chris Freeman received the B.Eng. degree in electromechanical engineering in 2000, the Ph.D degree in applied control in 2004, both from the University of Southampton, and B.Sc degree in Mathematics from the Open University in 2006. He is currently Associate Professor at the University of Southampton.

Freeman's research interests include learning control, biomechanics, human motor control, non-contact sensing, electrode-array based electrical stimulation, and wearable technology. He has led the engineering component on large UK government funded grants that have developed a range of upper limb rehabilitation systems that have been clinically trialled.

CEA: Celebrating 50 Years of Spain in IFAC

5-7 September 2017

The XXXVIII Conference on Automatic Control held annually by the CEA (Spanish National Member Organization of IFAC) took place in Gijon, Spain from September 5 to 7, 2017. This year there was also a special reason for commemorating the golden anniversary of our Association and the CEA Board of Directors wanted to provide a special highlight to this event.



The presidents of CEA from the past 50 years attending the XXXVIII Conference on Automatic Control, held in Gijón, Spain from 5-7 September 2017. From left to right: Joseba Quevedo (2014-present), Miguel Ángel Salichs (2006-2010), Pedro Albertos (1989-2002), Gabriel Ferraté (1967-1989), Sebastián Dormido (2002-2006) and César de Prada (2010-2014). Photo provided by and used with permission of CEA.

The CEA Foundation has published a book that collects some of the most important milestones that the CEA has achieved during the past 50 years. The book analyzes the beginnings of the CEA, the First National Symposium on "Control Engineering in Industry" organized by the CEA, the history of the annual National Conference on Automatic Control, the organization of the 2002 IFAC World Congress in Barcelona and a series of interviews with Spanish colleagues who have played a crucial role in the history of our association: Antonio Colino, Eugenio Andrés Puente, Gabriel Ferraté, Javier Aracil, Pedro Albertos (IFAC President 1999-2002), José Antonio Cordero, Luis Basañez and Manuel Silva.

A pdf copy of the Spanish NMO history book, which was edited by Sebastian Dormido, can be downloaded from: http://www.ceautomatica.es/wp-content/uploads/2017/10/50-ANIVERSARIO-DEL-CEA_1967-2017.pdf

Submitted by: Sebastian Dormido, CEA President from 2002-2006

Readers of this Newsletter are kindly requested to keep their contact details updated with the IFAC Secretariat.
https://www.ifac-control.org/about/ifac-affiliate-registration

American Control Conference (ACC 2017)

Seattle, WA, US

24-26 May 2017

The 2017 American Control Conference was held from May 24-26, 2017 in Seattle, WA, US. The conference venue was the Sheraton Seattle, next to the Washington State Convention Center, and just steps away from some of Seattle's best-known sights. The conference, organized under the auspices of the American Automatic Control Council (AACC), the US National Member Organization (NMO) of IFAC, featured technical as well as social programs and attracted over 1350 attendees from 46 countries.

The 2017 ACC received 1469 submissions with 204 invited papers and 1265 contributed papers. After thorough review, 944 papers were accepted, representing a ~64% acceptance rate. Those papers were organized in 19 parallel sessions for oral presentation. Other than regular and invited sessions, tutorial sessions and special sessions were also organized along with workshops and exhibits.

Workshops were held preceding the main conference on May 22 and 23. The conference technical program was kicked off Tuesday evening with a highly-attended special evening session on big data science and applications, right before the welcome reception. The full conference technical program formally started

on Wednesday, May 24, with an opening session followed by a plenary talk. AACC president Glenn Masada and IFAC president-elect (now president) Frank Allgöwer (DE) were introduced by the ACC 2017 General Chair Jing Sun, which included overviews of the activities of AACC and IFAC. Professor Vijay Kumar gave a fascinating talk on control, planning and coordination for swarms of flying robots. The three-day technical program included parallel sessions for tutorial, invited, and regular sessions, the plenary talk and semi-plenary talks, as well as special evening panels and special sessions.

Prof. Vijay Kumar
(University of Pennsylvania, US)
ACC 2017 plenary speaker

AACC awards, as well as the ACC Student Best Paper Award given by the conference, were announced in an award ceremony held on Thursday before the conference banquet. Professor John Baras of the University of Maryland (US) received the Richard E. Bellman Control Heritage Award for his innovative contributions to control theory, stochastic systems, and networks, and academic leadership in systems and control. Professor Miroslav Krstic of the University of California- San Diego (US) received the John R. Ragazzini Education Award for outstanding contributions to textbook writing, industrial collaboration, and mentoring of students entering the control field. The Control Engineering Practice Award was given to Professor Lucy Y. Pao (who currently serves as chair of the IFAC Policy Committee) of the University of Colorado (US), for her pioneering applications of advanced control to wind turbines and wind farms. Professor Ketan Salva of the University of Southern California (US) received the Donald P. Eckman Award for fundamental contributions to cyber-physical systems, network flows, queuing systems, and combinatorial optimization applied to transportation and robotics.

ACC 2017 held several social events that were very well attended. The opening reception was held on Tuesday after the special session on big data. The conference lunch banquet on Thursday had over 1300 attendees, reaching the banquet capacity limit at the hotel. Jordan Berg and Zongli Lin, General Chair and Program Chair of ACC 2018, took the stage before the banquet and extended their invitation to next year's conference with a creative musical video clip. The Friday closing reception provided the space for attendees to relax and connect, after intensive days of hard work and technical interactions.

We would like to thank the sponsors and conference exhibitors. They not only contributed to the conference operation financially, but also provided technical elements that enriched the program. The operating committee worked very hard over the last three-four years in planning and executing the high quality technical program. The contributions from the plenary and semi-plenary speakers, authors, reviewers, and volunteers are also acknowledged for the success of the conference. The sunny and spectacular Seattle weather also contributed to the memorable experiences of the ACC 2017 participants.

Submitted by Prof. Jing Sun, University of Michigan (US), ACC 2017 General Chair

Prof. Jing Sun
ACC 2017 General Chair, speaking at the ACC 2017 in Seattle

Reminder: IFAC Email Aliases

To begin the process of registering for an IFAC email alias (an IFAC email address that forwards to an email account of your choosing) please go to the following link and follow the step-by-step instructions:

https://hera.ifac-control.org/ifacmail/

Step 1: You will need to enter the email address with which you are registered as an IFAC affiliate. If you are unsure you may be able to find this info from your last IFAC Newsletter email. Otherwise please contact the IFAC Secretariat.

Step 2: Choose from the proposed email aliases. The system will generate some possibilities based on your first and last names and you will need to choose one of the possibilities. You can only pick from the suggested possibilities. Please note: Due to the grounds of safety and protection from misuse it is not possible to manually input a different email address!

Step 3: Confirm your choice of email address.The system displays the IFAC email address of your choice and the target address. Please review your choice carefully before confirmation.

Step 4: Final information screen. Your IFAC email address will be immediately functional.

If you have any questions or need any assistance with this matter please contact the IFAC Secretariat via email. This email forwarding service is provided free of charge to members of the IFAC community.

From the IFAC President

Dear Friends and Colleagues,

Only six months after the last IFAC World Congress in Toulouse, we are already planning not only the World Congress 2020 in Berlin and the World Congress 2023 in Yokohama but also the World Congress 2026 in – well, this still needs to be determined. All 49 IFAC National Member Organizations (NMOs) are invited to submit their bids until March 2018 applying to host the 23rd IFAC World Congress in their country.

The selection process for the World Congress Sites starts rather early, since this is an important decision for IFAC. Some reasons for this might be obvious: The World Congress is the largest event of this kind with a rich history and a defining influence on the field of automatic control. Therefore, the organizing teams need to have ample time for the planning and preparations. It is our goal that all delegates take the most out of the World Congress, personally and professionally.

There is also a second reason why this decision is of major importance: IFAC is not only selecting a congress site but also a future IFAC president. Every country that applies to host the IFAC World Congress also presents a presidential candidate for the triennium 2023-2026. This tradition, to link the IFAC president and IFAC World Congress, goes back as far as the first IFAC World Congress in Moscow 1960 with the second IFAC president from the USSR, Alexander M. Letov, serving from 1959-1961.

Since the selection of the World Congress Site is such an important decision for IFAC, this decision is taken in a two-step process. The council takes its first decision at the yearly council meeting in 2018, reducing the number of candidates to only two or three. These two or three NMOs will then have the opportunity to present their bids at the IFAC Council Meeting in 2019, where the final decision is taken. This is still way too early for you to plan your trip to the World Congress 2026, but the organization of such an event indeed needs a lot of preparation time and the prospective presidential candidate will already be serving as president-elect starting from 2020.

I am looking forward to all World Congress applications and I am curious where I will travel in 2026 – I hope you are, too.

Wishing you and your loved ones a festive holiday season and all the best for a happy, healthy and successful year 2018,

Frank Allgöwer

IFAC is on social media!
Direct links to IFAC's presence on Facebook, LinkedIn, and Twitter can be found on the IFAC website.

In addition check out the IFAC Blog at
https://blog.ifac-control.org/

Calendar of IFAC Events

Title	2018	Place	Further information
5th Conference on Advances in Control and Optimization of Dynamical Systems ACODS 2018	February 18 – 22	Hyderabad India	http://www.drdo.gov.in/acods2018/ acods2018@gmail.com
9th TU Wien/IFAC Vienna International Conference on Mathematical Modelling MATHMOD 2018	February 21 – 23	Vienna Austria	http://www.mathmod.at/ info@mathmod.at
2nd ASET/IFAC/IEEE International Conference on Advanced Systems and Electrical Technologies IC_ASET 2018	March 22 – 25	Hammamet Tunisia	http://aset.ieee.tn/ abdessattar.benamor@yahoo.fr
6th IFAC/IEEE (TC on DPS) Workshop on Lagrangian and Hamiltonian Methods for Nonlinear Control LHMNC 2018	May 01 – 04	Valparaiso / Viña del Mar, Chile	http://www.lhmnlc18.org/ juan.yuz@usm.cl
3rd IFAC Conference on Advances in Proportional-Integral-Derivative Control PID 2018	May 09 – 11	Ghent Belgium	http://www.pid18.ugent.be/ pid18@ugent.be
1st IFAC Workshop on Integrated Assessment Modelling for Environmental Systems IAMES 2018	May 10 – 11	Brescia Italy	https://iames2018.unibs.it/ iames2018@unibs.it
15th IFAC Conference on Programmable Devices and Embedded Systems PDES 2018	May 23 – 25	Ostrava Czech Republic	http://pdes-conference.eu/ zdenek.slanina@vsb.cz
14th IFAC/IEEE Workshop on Discrete Event Systems WODES 2018	May - June 30 – 01	Sorrento Coast - Castellammare di Stabia (NA) Italy	http://wodes2018.unisa.it/ wodes2018@unisa.it
3rd IFAC Workshop on Automatic Control in Offshore Oil and Gas Production OOGP 2018	May - June 30 – 01	Esbjerg Denmark	http://ifac-oogp2018.org/ secretariat@ifac-oogp2018.org
15th IFAC Symposium on Control in Transportation Systems CTS 2018	June 06 – 08	Savona Italy	http://www.cts2018.unige.it/ cts2018@unige.it
3rd IFAC Conference on Embedded Systems, Computational Intelligence and Telematics in Control CESCIT 2018	June 06 – 08	Faro Portugal	http://www.cescit2018.org/ geral@untappedevents.pt
16th IFAC et al. Symposium on Information Control Problems in Manufacturing INCOM 2018	June 11 – 13	Bergamo Italy	http://www.incom2018.org/ secr@incom2018.org
Conference on European Control Conference (in cooperation with IFAC) ECC 2018	June 12 – 15	Limassol Cyprus	http://ecc18.eu/ ecc18@ucy.ac.cy
IFAC Workshop on Networked & Autonomous Air & Space Systems NAASS 2018	June 13 – 15	Santa Fe, NM USA	https://sites.google.com/site/ naass2018/ richardscotterwin@gmail.com
2nd IFAC Conference on Modelling Identification and Control of Nonlinear Systems MICNON 2018	June 20 – 22	Guadalajara, Jalisco Mexico	https://www.micnon2018.org/ contact@micnon2018.org
Conference on American Control Conference (in cooperation with IFAC) ACC 2018	June 27 – 29	Milwaukee, WI USA	http://acc2018.a2c2.org/ **e-mail: not yet available**
14th IFAC Workshop on Time Delay Systems TDS 2018	June 28– 30	Budapest Hungary	http://www.congressline.hu/tds2018/ **e-mail: not yet available**
18th IFAC/IEEE CSS Symposium on System Identification SYSID 2018	July 09 – 11	Stockholm Sweden	www.ee.kth.se/sysid2018 hanna.holmqvist@ee.kth.se
6th IFAC Conference on Analysis and Design of Hybrid Systems ADHS 2018	July 11 – 13	Oxford United Kingdom	http://www.cs.ox.ac.uk/conferences/ ADHS18/ aabate@cs.ox.ac.uk

Calendar of IFAC Events

Title	2018	Place	Further information
10th IFAC Symposium on Advanced Control of Chemical Processes ADCHEM 2018	July 25 – 27	Shenyang, China	http://www.adchem2018.org/ adchem2018@mail.neu.edu.cn
7th CACHE, IFAC Conference on Foundation of Systems Biology in Engineering FOSBE 2018	August 05 – 08	Chicago, IL USA	http://www.fosbe.org/ rcraven@fosbe.org
6th IFAC Conference on Nonlinear Model Predictive Control NMPC 2018	August 19 – 22	Madison, WI USA	http://www.nmpc2018.org/ e-mail: not yet available
5th IFAC Workshop on Mining, Mineral and Metal Processing MMM 2018	August 23 – 25	Shanghai China	http://ifac-mmm.csu.edu.cn/ ifacmmm2018@csu.edu.cn
12th IFAC, IEEE RAS Symposium on Robot Control SYROCO 2018	August 27 – 30	Budapest Hungary	http://syroco2018.org/ secretariat@syroco2018.org
7th IFAC Workshop on Distributed Estimation and Control in Networked Systems NECSYS 2018	August 27 – 28	Groningen Netherlands	https://fwn06.housing.rug.nl/ necsys2018/ e-mail: not yet available
10th IFAC/Polish Academy of Sciences Symposium on Fault Detection, Supervision and Safety for Technical Processes SAFEPROCESS 2018	August 29 – 31	Warsaw Poland	http://safeprocess18.uz.zgora.pl/ safeprocess18@uz.zgora.pl
9th IFAC/IEEE CSS Symposium on Robust Control Design ROCOND 2018	September 03 – 05	Florianópolis Brazil	http://rocond18.ufsc.br/ rocond18@gmail.com
2nd IFAC/IEEE CSS Workshop on Linear Parameter Varying Systems LPVS 2018	September 03 – 05	Florianópolis Brazil	http://lpvs18.ufsc.br/ ifac.lpvs18@gmail.com
10th IFAC Symposium on Biological and Medical Systems BMS 2018	September 03 – 05	São Paulo Brazil	http://www.ifacbms2018.org/ secretariat@ifacbms2018.org
10th IFAC/ CEGRE Symposium on Control of Power and Energy Systems CPES 2018	September 03 – 05	Tokyo Japan	https://www.cpes2018.com/ cpes2018@hotmail.com
11th IFAC Conference on Control Applications in Marine Systems, Robotics, and Vehicles CAMS 2018	September 09 – 13	Opatija Croatia	http://ifac-cams2018.com/ cams2018@fer.hr
18th IFAC Conference on Technology, Culture and International Stability TECIS 2018	September 13 – 15	Baku Azerbaijan	https://tecis18.org kopacek@ihrt.tuwien.ac.at
5th IFAC Conference on Engine and Powertrain Control, Simulation and Modeling E-COSM 2018	September 20 – 22	Changchun China	http://www.ascl.jlu.edu.cn/ecosm2018/ gaobz@jlu.edu.cn
5th IFAC Conference on Analysis and Control of Chaotic Systems CHAOS 2018	Oct./Nov. 30 – 01	Eindhoven Netherlands	http://chaos2018.wtb.tue.nl/ chaos2018@tue.nl
2nd IFAC Conference on Cyber-Physical and Human Systems CPHS 2018	December 13 – 15	Miami, FL USA	http://www.cphs2018.org/ e-mail: not yet available

Events in 2019 and beyond can be found in the Events section of the IFAC website.
Check back often as new events are added as they are approved!

International Federation of Automatic Control (IFAC), Zurich
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Das Sekretariat der IFAC befindet sich seit 1978 aufgrund eines Übereinkommens mit der Österreichischen Bundesregierung und mit der Österreichischen Akademie der Wissenschaften in Laxenburg und wird derzeit aus Mitteln des Bundesministeriums für Verkehr, Innovation und Technologie „BMVIT" gefördert.

bmvit
Bundesministerium für Verkehr, Innovation und Technologie