NEWSLETTER

INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL

IFAC World Congress 2017 Update
Toulouse, France
9-14 July 2017

No.2
April 2017

The 20th IFAC World Congress, to be held from 9-14 July 2017 in Toulouse, is approaching. Major steps in the Congress preparation, such as paper submission and evaluation, are now behind us, while other plans are still underway.

The submissions deadline was initially 31 October 2016 and then extended to 11 November to satisfy the many requests to have some more days for finalizing papers. An extended deadline, 7 December, was also applied for Extended Abstract submissions. Overall, a record 4256 contributions were submitted, including 4084 papers, 98 Open Invited Tracks, 46 Invited Sessions, and 33 submitted Workshops and Tutorials. This large number of contributions is a mark of strong support for IFAC activities as a whole and its 60th anniversary in particular.

Reviewing of the contributions was conducted under the supervision of the International Program Committee Chairs Denis Dochain and Didier Henrion, with the help of the nine IFAC Coordinating Committee Chairs, the 40 Technical Committee Chairs, nearly 200 Technical Associate Editors and several thousand reviewers. All of the reviewers have contributed to building a compact and promising program of 2800 presentations. The daily program will soon be available.

The major part of the program is composed of Contributed Papers gathered in sessions build by the Technical Committee Chairs. Among the 2451 Contributed Papers submissions, 1511 have been accepted. The program also features five invited history sessions and two invited history open tracks. 46 Invited Sessions of six papers were submitted and 35 of them are accepted. 98 Open Invited Tracks were submitted with an average of 13 papers per track. 5 of these Open Invited Tracks have attracted more than 30 contributions. 76 Open Invited Tracks will appear in the program, with a number of sessions ranging from 1 to 5. Overall, 163 sessions out of 389 are related to Invited Session or Open Invited Track proposals. While the acceptance rate for Contributed Papers is 62%, it goes up to 72% for papers submitted to Open Invited Tracks, and up to 82% for those submitted to Invited Sessions,

thus indicating the excellent work done by the organizers of these invited items. Overall, the acceptance rate of papers with IFAC Copyright is 66.4%.

The program features 11 high-quality plenary and semi-plenary contributions, and 2656 regular IFAC-Copyright papers. 133 other presentations are related to Extended Abstracts that will not appear in the official Congress proceedings, but will be included in the USB-key preprints. Most of these extended abstracts are related to history talks, application dedicated presentations, demonstrators, and presentations by young Ph.D. students from French research centers that have also contributed to the Congress as volunteers. Extended Abstract papers have been reviewed with almost the same procedure as the other papers. The acceptance rate of Extended Abstracts is of 75% thus illustrating the high quality of these contributions.

Among all Congress presentations it is worth mentioning the 27 Surveys, 53 Demonstrators, 30 History papers and 102 Application papers. A dedicated history track, including the invited history sessions, the invited history open tracks and panel sessions, will constitute the backbone of the celebration of IFAC's 60th anniversary. This history track will take place on Monday 10 July, Tuesday 11 July and Wednesday 12 July. Demonstrator sessions will be held each day in dedicated rooms and sites, including a special education-oriented demonstrator session on Wednesday 12 July "Education Day." Application days on Thursday 13 and Friday 14 July are also highly promising.

Saturday 8 July and Sunday 9 July are dedicated to pre-Congress workshops and tutorials. 30 workshops were proposed and 19 of these were accepted. The selection has been a difficult task, but some choices had to be made taking into account not only the evaluations but also logistic constraints. We hope all of them will open, with the rule being that they should gather at least ten registrations by 15 May 2017. Workshops and tutorials range from a half day to two days in duration.

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

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During the week, each day will open with plenary talks by Iven Mareels, Kristin Y. Pettersen, Christos Cassandras, Charles Champion and Dawn Tilbury. In the evening of Monday, Tuesday and Wednesday semi-plenary lectures that will be given by Qing-Chang Zhong, Carlos Eduardo Pereira, Jean-Michel Coron, Frank Försterling and Jong-Hwan Kim. A tribute to Roberto Tempo is scheduled on Monday evening. In addition to these, several panel sessions are being organized with the following tentative titles "IFAC Story", "History of Control and Automation", "Preparing Tomorrow's Scientists and Engineers for the Challenges of the 21st Century", "Your Research Sharing through Outreach", How to Enhance Industry/University Collaboration on Advanced Control", and "Advanced Control in Industry: The Path Forward" Details can be found on the IFAC 2017 website.

The congress partners, the companies that have submitted high quality contributions, the exhibitors, the technical visit contributors and the sponsors, will be offered special attention and visibility. Continental Automotive, the main sponsor of the Congress, is planned to have a central exhibition booth, to be honored as sponsor of the Congress banquet on Thursday 13 July, and to present automotive demonstrator cars. The other sponsors are Occitanie Region, CNES, Université Paul Sabatier Toulouse III, Inria, CNRS, GdR MACS, Optitrack, MDPI, ISAE-Supaero, iCODE, INSA Toulouse, and INP Toulouse. The Congress Exhibition will feature booths from Elsevier, WAGO, Springer Nature, MathWorks, the Journal of Franklin Institute and companies of the Aerospace Valley cluster. More companies and academic partners have been contacted via IFAC 2017 partners breakfast events and other dedicated contact means.

Details about social events, tourism opportunities and other logistical issues are regularly posted online. Some details are yet to be announced. To follow the organizational process, people are kindly invited to refer to the news on the www.ifac2017.org homepage, as well as on Twitter @IFAC2017. I am extremely grateful to the hardworking Congress team that is making this major and exciting event possible, and I look forward to welcoming you in Toulouse in July.

News about 20th IFAC World Congress:
www.ifac2017.org & twitter.com/IFAC2017

International Program Committee:
www.ifac2017.org/IPC

Organizing Committee:
www.ifac2017.org/national-organizing-committee

Information for preparing your venue:
www.ifac2017.org/venue

Program: www.ifac2017.org/program

Written by Dimitri Peaucelle, IFAC 2017 General Chair and submitted by Janan Zaytoon, IFAC President

Workshop on Intelligent Manufacturing Systems
Austin, TX, USA
5-7 December 2016

The 12th IFAC Workshop on Intelligent Manufacturing Systems (IMS 2016) was held from 5-7 December in Austin, Texas, USA at National Instruments and was organized by the National Science Foundation Industry/University Cooperative Researcher Center for Intelligent Maintenance Systems. IMS 2016 was organized into five scientific paper sessions focusing on Methodologies for Monitoring, Prognostics & Diagnostics; Advances in Rapid Prototyping, and Digital Manufacturing & Design; Smart Manufacturing; and Planning, Scheduling & Control.
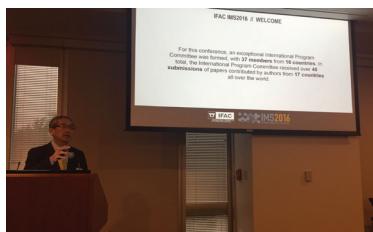
NOC Chair Dr. Jay Lee welcomes IMS 2016 attendees

IMS 2016 also featured three keynotes from industry leaders in Internet-of-Things and Advanced Manufacturing from National Instruments, Siemens and Mazak, as well as one keynote from Dr. Bruce Kramer, senior advisor to the National Science Foundation programs for Advanced Manufacturing & Cyberphysical Systems. Four plenary panels were also planned, during which worldwide recognized scientists and technical industry leaders presented, and discussed, the latest developments in predictive analytics; technologies and initiatives for manufacturing transformation; predictive maintenance; and predictive analytics in manufacturing.

This event brought together researchers, technology leaders and practitioners from academia and industry to give an overview of the state-of-the-art, present new research results and exchange ideas and experiences in the field of intelligent manufacturing systems. IMS 2016 not only focused on bridging the gap between research and industry by providing an event at which industrial and academic leaders were provided with an opportunity to initiate fruitful relationships, as well as to expose them to new technologies, methodologies and applications. For this conference, an exceptional International Program Committee was formed, with 37 members from 16 countries. In total, the International Program Committee received over 40 paper submissions contributed by authors from 17 countries.

Submitted by: NOC Members Patrick Brown and Michael Lyons, University of Cincinnati (US)

Introducing the IFAC Fellows
2014-2017
continuation of a series

Dale Seborg

Dale E. Seborg is a Professor Emeritus and Research Professor in the Department of Chemical Engineering at the University of California- Santa Barbara (US.) He received his B.S. degree from the University of Wisconsin and his Ph.D. degree from Princeton University (both US). Before joining UCSB in 1977, he taught at the University of Alberta (Canada) for nine years.

Dr. Seborg has published 230 articles on process control strategies and experimental applications. He is the co-author of a widely used textbook, Process Dynamics and Control, 4th ed. (2016), with Tom Edgar (University of Texas- Austin), Duncan Mellichamp (University of California- Santa Barbara), and Francis Doyle III (Harvard University). The textbook has been translated into Japanese, Korean, Chinese, and Turkish. Dr. Seborg is the recipient, or co-recipient, of several national teaching and research awards that include election to the Process Automation Hall of Fame, Best Application Paper Award from the *Journal of Process Control* (an IFAC Journal), and festschrifts sponsored by the *Journal of Process Control* and the American Control Conference.

Dr. Seborg has also received, or shared, a number of other awards that include the American Statistical Association's Statistics in Chemistry Award, the American Automatic Control Council's Education Award, and the American Society of Engineering Education's Meriam-Wiley Distinguished Author Award. Twice, he was selected as the Outstanding Faculty Member by the Chemical Engineering senior class at UCSB.

Among his numerous professional activities, Dr. Seborg was a co-organizer of an IFAC Symposium on System Identification and the General Chair for an American Control Conference. He also co-organized the Chemical Process Control (CPC-2) Conference and was a director of the American Automatic Control Council. Dr. Seborg has served on the editorial boards of several journals and the Springer-Verlag book series *Advances in Industrial Control*.

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Carlos Canudas de Wit

Carlos Canudas de Wit was born in Villahermosa, Tabasco, Mexico in 1958. He received his B.Sc. degree in electronics and communications from the Technological Institute of Monterrey, Mexico in 1980. In 1984 he received his M.Sc. in the Department of Automatic Control, Grenoble, France. He was a visiting researcher in 1985 at Lund Institute of Technology, Sweden. In 1987 he received his Ph.D. in automatic control from the Polytechnic of Grenoble (Department of Automatic Control), France. Since then he has been working at the same department as "Director of Research at the CNRS,"where he teaches and conducts research in the area of control systems.

He is the current leader of the NeCS GIPSA-Lab (CNRS)-INRIA team on Networked Controlled Systems. He has established several industrial collaboration projects with major French companies including FRAMATOME, EDF, CEA, IFREMER, RENAULT, SCHNEIDER, ILL, IFP, and ALSTOM. He has been associate editor of the IEEE Transaction on Automatic Control from 1992 to 1997, AUTOMATICA, from 1999 to 2002. He is currently an associated editor of: the Asian Journal of Control (since 2010), IEEE Transaction on Control System Technology (since 2013), and the IEEE Transaction on Control of System Networks (since 2013). He held the presidency of the European Control Association (EUCA) for the period 2013-15, and served on the IEEE Board of Governors of the Control System Society 2011-2014. He holds the ERC Advanced-Grant 2015 Scale-FreeBack for the period 2016-2021.

In addition to being an IFAC Fellow Canudas de Wit is a IEEE Fellow of the IEEE Control System Society. His research publications includes: 200 International conference papers, and 65 published papers in international journals, 5 books, 10 book chapter, and holds 11 patents. He has supervised more than 34 Ph. D. students, 11 postdocs, and more than 35 masters students.

Françoise Lamnabhi-Lagarrigue

Françoise Lamnabhi-Lagarrigue is CNRS Senior Researcher since 1993 at the Laboratory of Signal and Systems, a Research Unit placed under the joint responsibility of CNRS, Centrale Supelec, University Paris-Sud and University Paris Saclay (France.) She obtained the Master of Mathematics degree at the University Paul Sabatier (Toulouse, FR) in 1976 and she held a CNRS researcher position in 1980. She received her Ph.D. and Docteur d'Etat degrees from the University Paris-Sud in 1980 and 1985, respectively.

Lamnabhi-Lagarrigue is Senior Editor of *International Journal of Control* since 2001 and Editor-in-Chief of the IFAC Journal *Annual Reviews in Control* since 2015. She was Scientific Manager of the European Marie Curie Control Training Site from 2002-2006, of the European Networks of Excellence HYCON from 2005-2009 and HYCON2 from 2010-2014. She is the founder of the European Embedded Control Institute (EECI) and the chair of the EECI International Graduate School on Control. Since 2011 she is serving as a member of the IFAC Technical Board (chair of CC9 Social Systems) and since 2015 she is the chair of the IFAC Road Map Task Force. She was a nominated member of the Board of Governors of the IEEE Control Systems Society for the year 2016. From January 2014 to February 2016 she was deputy director of the Ecole Doctorale STIC of the University of Paris-Saclay. She is an appointed member for 2015-2018 of the Scientific Committee of INS2I, the institute for computer science, signal, image, control and robotics of CNRS.

Her main recent research interests include observer design, performance and robustness issues in nonlinear, hybrid, networked and distributed control systems. She has supervised 24 PhD theses. She is author of one book, editor or co-editor of ten books and four special issues. In addition she is author and co-author of 100 journal papers and chapters of books and 115 published conference papers.

Lamnabhi-Lagarrigue is the prize winner of the 2008 Michel Monpetit prize of the French Academy of Science. In 2016 she was nominated Chevalier de la Légion d'honneur/National Order of the Legion of Honour from the government of France.

Arjan van der Schaft

Arjan van der Schaft was born in Vlaardingen, the Netherlands in 1955. He received Bachelor's (1976) and Master's degrees (1979) in Mathematics (cum laude), both from the University of Groningen, the Netherlands. In 1983 he defended his PhD thesis at the Faculty of Mathematics and Natural Sciences of the University of Groningen, with Jan C. Willems acting as 'promotor'.

In 1982 he was appointed as assistant professor at the University of Twente, where he became an associate professor in 1987, and full professor in Mathematical Systems and Control Theory in 2000. In 2005 he returned to his alma mater as a professor in mathematics.

In addition to being an IFAC Fellow Arjan van der Schaft is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE). He was an invited speaker at the International Congress of Mathematicians in Madrid, Spain in 2006, and co-recipient of the SICE Takeda Best Paper Award in 2008. He is the 2013 recipient of the triennially-awarded 'Certificate of Excellent Achievements' of the IFAC Technical Committee on Nonlinear Systems (TC 2.3.)

He is (co-) author of the following books: *System Theoretic Descriptions of Physical Systems* (1984), *Variational and Hamiltonian Control Systems* (1987 with P.E. Crouch), *Nonlinear Dynamical Control Systems* (1990, 2016, with H. Nijmeijer), *L2-Gain and Passivity Techniques in Nonlinear Control* (1996, 2000, and 2016), *An Introduction to Hybrid Dynamical Systems* (2000 with J.M. Schumacher), and *Port-Hamiltonian Systems Theory: An Introductory Overview* (2014 with D. Jeltsema).

His current research interests include mathematical systems theory, nonlinear systems and control, network dynamics, multi-domain physical systems and hybrid systems, and their applications in cyber-physical systems, power networks, and systems biology.

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Daniel Liberzon

Daniel Liberzon was born in the former USSR in 1973. He completed his undergraduate studies in the Department of Mechanics and Mathematics at Moscow State University from 1989 to 1993 (USSR/Russia.) In 1993 he moved to the United States to pursue graduate studies in mathematics at Brandeis University (Waltham, MA, USA), where he received the Ph.D. degree in 1998 (supervised by Prof. Roger W. Brockett of Harvard University). Following a postdoctoral position in the Department of Electrical Engineering at Yale University (New Haven, CT, USA) from 1998 to 2000 with Prof. A. Stephen Morse, he joined the University of Illinois at Urbana-Champaign (USA) where he is currently a professor in the Electrical and Computer Engineering Department and the Coordinated Science Laboratory.

Daniel Liberzon's research interests include nonlinear control theory, switched and hybrid dynamical systems, control with limited information, and uncertain and stochastic systems. He is the author of the books *Switching in Systems and Control* (Birkhauser, 2003) and Calculus of Variations and *Optimal Control Theory: A Concise Introduction* (Princeton University Press, 2012).

Liberzon's work has received recognition including the 2002 IFAC Young Author Prize at the IFAC World Congress in Barcelona and the 2007 Donald P. Eckman Award from AACC, the US IFAC NMO. He delivered a plenary lecture at the 2008 American Control Conference. He has served as Associate Editor for the journals *IEEE Transactions on Automatic Control* and *Mathematics of Control, Signals, and Systems*. In addition to being an IFAC Fellow, Liberzon has been a fellow of IEEE since 2013.

Check the IFAC 2017 World Congress website for updates and useful information in planning your trip to Toulouse!

http://www.ifac2017.org

The preliminary program of the IFAC 2017 World Congress is available at

https://ifac.papercept.net/conferences/conferences/IFAC17/program/

Stéphane Lafortune

Stéphane Lafortune is a professor in the Department of Electrical Engineering and Computer Science at the University of Michigan, Ann Arbor, MI, USA. He was born in Montréal, Québec, Canada, and obtained his degrees from École Polytechnique de Montréal (B.Eng), McGill University in Montreal, Canada (M.Eng), and the University of California-Berkeley, Berkeley, CA. USA (PhD), all in electrical engineering. Since joining the University of Michigan in 1986 he has twice held administrative positions, as Associate Chair of EECS from 2000-2003 and Associate Chair of Graduate Affairs in ECE from 2011-2014.

In addition to being an IFAC Fellow, Lafortune has been a Fellow of IEEE since 1999. He received the George S. Axelby Outstanding Paper Award from the IEEE Control Systems Society twice, in 1994 for a paper co-authored with S.L. Chung and F. Lin and in 2001 for a paper co-authored with G. Barrett. He was also a recipient of the Presidential Young Investigator Award from the US National Science Foundation in 1990.

Lafortune's research interests are in discrete event systems and include multiple problem domains: modeling, diagnosis, control, optimization, and applications to computer and software systems. He has supervised or co-supervised 20 PhD graduates since 1986. He co-authored the textbook Introduction to *Discrete Event Systems* (2nd Edition, Springer, 2008) with C. Cassandras. He is the lead developer of the software package *UMDES* and co-developer of *DESUMA* with L. Ricker.

Since 2015 Lafortune has served as Editor-in-Chief of the journal *Discrete Event Dynamic Systems: Theory and Applications*. Lafortune's publications are available from his Google Scholar profile.

Editor's Note: IFAC Major Medals and IFAC Fellows will be presented at the IFAC World Congress 2017 in Toulouse, France.

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

Introducing the IFAC Major Medal Winners
2014-2017 (last in a series)

Industrial Achievement Award: Francesco Borrelli

Francesco Borrelli received the `Laurea' degree in computer science engineering in 1998 from the University of Naples `Federico II', Italy. In 2002 he received the PhD from the Automatic Control Laboratory at ETH-Zurich, Switzerland. He is currently a full Professor and the Howard-Brown Chair at the Department of Mechanical Engineering of the University of California at Berkeley, USA. He is the author of more than one hundred publications in the field of predictive control. He is author of the book Constrained Optimal Control of Linear and Hybrid Systems published by Springer Verlag, the winner of the 2009 NSF CAREER Award and the winner of the 2012 IEEE Control System Technology Award. In 2016 he was elected as an IEEE fellow.

Since 2004 Borrelli has served as a consultant for major international corporations. He is the founder and CTO of BrightBox Technologies Inc, a company focused on cloud-computing optimization for autonomous systems. He is the co-director of the Hyundai Center of Excellence in Integrated Vehicle Safety Systems and Control at UC Berkeley. His research interests include constrained optimal control, model predictive control and its application to advanced automotive control and energy efficient building operation

Industrial Achievement Award: Jaroslav Pekar

Jaroslav Pekar is a R&D Manager at Honeywell Automotive Software and has been with Honeywell since 2005. He holds a Ph.D. degree in Control Engineering from the Czech Technical University in Prague.

Pekar is working on R&D and application projects related to the optimal and advanced control systems design for wide range of applications with his personal goal to transform innovative approaches to practical applications. He is focused on fast sampled dynamical systems including automotive powertrain and industrial energy control. Current work covers model based advanced control systems for internal combustion engines, including after-treatment systems.

Pekar is the author or co-author of more than 30 technical publications, including conference papers and journals. He holds more than five patents. He has received the IEEE Control Systems Technology Award in 2012 and two Honeywell Technical Achievement awards.

Industrial Achievement Award: Daniel Pachner

Daniel Pachner was born in 1972. He has been a research engineer for Honeywell Transportation Systems since 2001 after his graduation from Czech Technical University in Prague. His Ph.D thesis dealt with Bayesian statistical fault detection methods.

For the past five years Pachner has been working on mean value modeling and automated model calibration for both nonlinear and linear model predictive control of turbocharged engines. His other projects include virtual turbo speed, virtual EGR flow, and virtual NOx sensors. In addition Pachner is also interested in optimal thermal management and model-based OBD algorithms.

Editor's Note: This concludes the series of introducing the Major Medal/Award winners of 2014-2017. All Major Medal/Award winners can be found listed at:

http://www.ifac-control.org/awards/major-awards

Check out IFAC's YouTube channel for new and historical IFAC video materials!
The link to the YouTube channel can be accessed via the IFAC website
www.ifac-control.org

Journal of Process Control:
Special Virtual Issue

Journal of Process Control has celebrated its 25th anniversary in 2016 with a special Virtual Issue. Since its inauguration in 1991 four people have served in the capacity of Editor-in-Chief: John Perkins (1991-1996), Thomas McAvoy (1997-2008), Wolfgang Marquardt (2009-2014), and Denis Dochain (2015-present). These Editors have collaborated on an editorial that is organized into the time periods during which each Editor-in-Chief served, and it highlights the growth and accomplishments during their time of service.

In addition to an Editorial on the history of the journal, 25 seminal papers have been collected and summarized in a Virtual Special Issue. Each article has a brief commentary and these historic articles have been made freely available through 16 September 2017. We hope the virtual special issue will be a valuable resource, providing an overview of the field has evolved in work published in *Journal of Process Control*.

To view the collection, please visit: https://www.journals.elsevier.com/journal-of-process-control/virtual-special-issues/virtual-special-issue-on-the-25th-anniversary-of-journal-of

Submitted by Alison Waldron, Elsevier

IFAC Journals:
Control Engineering Practice

The IFAC Journal *Control Engineering Practice* publishes high-quality papers which demonstrate applications of control techniques and advanced control theory in a practical (industrial) context. It is the dedicated goal of the journal to provide applicable relevant results based on profound theory thus meeting the needs of both industrial practitioners and academics. More details on the objectives and the scope can be found on the journal's webpage https://www.journals.elsevier.com/control-engineering-practice.

Professor Andreas Kugi from the Automation and Control Institute (ACIN) at Technische Universität Wien/ Technical University Vienna (Austria), has served as the Editor-in-Chief since 2010 with Biao Huang, University of Alberta (Canada) as Deputy Editor-in-Chief. The Editorial Board consists of 79 expert associate editors from 22 different countries. This large international team of Associate Editors ensures a high-quality, rapid peer-review for papers covering an extremely broad range of control applications and all the various methods, theories, and technologies used in automation and control.

In 2016 the Journal reached the highest number of submissions ever which was an increase of more than 60% in the last five years. Moreover, editorial decision times are half what they were in 2011 with the average times from submission to first decision and submission to final disposition at 9.1 and 13.8 weeks, respectively. The rejection rate is fairly constant at approximately 80%. The high standards of the journal are reflected in the 2015 impact factor of 1,83 which is considerably high for an application oriented control journal.

Andreas Kugi, Editor-in-chief,
Control Engineering Practice

Control Engineering Practice regularly publishes Special Sections and Special Issues on timely topics warranting a focused collection, sometimes related to an IFAC workshop or symposia. For instance, the January 2017 Issue is a "Special Issue on Biological and Medical Systems" with Guest Editors: J.G. Chase, B. Benyo, A. Cinar, T. Desaive, S. Leonhardt, and M. Tsuzuki. The February 2017 Issue includes papers of the Special Section "IFAC Symposium on Biological and Medical Systems" with Guest Editors: T. Schauer, B.J.E. Misgeld, and F. Previdi. Upcoming issues include:

- "Future Trends in Space and Aeronautics – Special Section on Selected Advanced Control Systems", Guest Editors: H. Siguerdidjane, S. Nakasuka, and R. Vazquez, (currently in press)

- "Special Issue on Automotive Control" edited by L. Eriksson, G. Rizzo, and Y. Chamaillard, (currently in press)

- "Special Issue on Control of Power and Energy Systems", Guest Editors: K. Lee, I. Erlich, H. Weber, and Y. Majanne (in progress),

- "Special Issue on Manufacturing Modelling, Management and Control", Guest Editors: C. Prins, C. Prodhon, and A. Yalaoui (open for submissions),

- "Special Issue on Advanced Alarm Monitoring for Complex Industrial Facilities", Guest Editors C. Aldrich, T. Chen, S.L. Shah, F. Yang, and J. Wang (open for submissions).

The success of *Control Engineering Practice* is thanks to the excellent contributions and support of authors, reviewers, guest and associate editors. The Editor-in-Chief is very grateful for the hard work of the *Control Engineering Practice* community and looks forward to continuing the collaboration.

Submitted by Andreas Kugi, Editor-in-chief, *Control Engineering Practice*

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Calendar of IFAC Events

Title	2017	Place	Further information
20th IFAC World Congress 2017	July 09 – 14	Toulouse France	http://www.ifac2017.org/ e-mail: contact@ifac2017.org
14th INSTICC Conference on Informatics in Control, Automation and Robotics (in cooperation with IFAC) ICINCO 2017	July 26 – 28	Madrid Spain	http://www.icinco.org/ e-mail: icinco.secretariat@insticc.org
SACAC IFAC Conference on Control Conference Africa CCA 2017	December 07 – 08	Johannesburg, South Africa	http://sacac.org.za/pages/cca/ e-mail: cca2017@sacac.org.za
IEEE - CSS, IFAC, SICE, ICROS Conference on Asian Control Conference (in cooperation with IFAC) ASCC 2017	December 17 – 20	Gold Coast Australia	https://www.ascc2017.com/ e-mail: l.vlacic@griffith.edu.au

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/ e-mail: acods2018@gmail.com
9th TU Wien/IFAC Vienna International Conference on Mathematical Modelling MATHMOD 2018	February 21 – 23	Vienna Austria	http://www.mathmod.at/ e-mail: info@mathmod.at
6th IFAC/IEEE (TC on DPS) Workshop on Lagrangian and Hamiltonian Methods for Nonlinear Control LHMNC 2018	May 02 – 04	Valparaiso / Viña del Mar, Chile	http://not yet available e-mail: not yet available
3rd IFAC Conference on Advances in Proportional-Integral-Derivative Control PID 2018	May 09 – 11	Ghent Belgium	http://www.pid18.ugent.be/ e-mail: not yet available
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/ e-mail: not yet available
15th IFAC Symposium on Control in Transportation Systems CTS 2018	June 06 – 08	Savona Italy	http://not yet available e-mail: not yet available
16th IFAC et al. Symposium on Information Control Problems in Manufacturing INCOM 2018	June 11 – 13	Bergamo Italy	http://www.incom2018.org/ e-mail: not yet available
IFAC Workshop on Networked & Autonomous Air & Space Systems NAASS 2018	June 13 – 15	Santa Fe, NM USA	https://sites.google.com/site/naass2018/ e-mail: richardscotterwin@gmail.com
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://not yet available 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 e-mail: hanna.holmqvist@ee.kth.se
6th IFAC Conference on Analysis and Design of Hybrid Systems ADHS 2018	July 11 – 13	Oxford United Kingdom	http://not yet available e-mail: not yet available
7th CACHE, IFAC Conference on Foundation of Systems Biology in Engineering FOSBE 2018	August 05 – 08	Chicago, IL USA	http://not yet available e-mail: not yet available

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Bundesministerium
für Verkehr,
Innovation und Technologie