

IFAC Fellows 2023-2026

continuation of a series

This is a continuation of a series in which Newsletter readers have the opportunity to learn more about each of the 2023-26 IFAC Fellows. The full list of Fellows is available at: ifac-control.org/awards/ifac-fellows

IFAC Fellow: Sophie Tarbouriech



Sophie Tarbouriech received her PhD degree in Automatic Control in 1991 from the University Paul Sabatier in Toulouse, FR. Since 2002 she is Research Professor (Directeur de Recherche CNRS) in LAAS-CNRS, Toulouse. During 2013-2015, she was recipient of a Special Visiting Researcher fellowship, in the context of the Sciences without Borders Program, in Brazil. In 2025-2026, she was a recipient of the AFSR (French-Swedish Research Association) fellowship in collaboration with KTH, Sweden. She held several visiting professor positions at UNICAMP, UFRGS or UFSC in Brazil, the University of Sevilla, Spain, the University of Leicester, UK, the University of Trento, Italy, and the University of Perugia, Italy.

Her main research interests include analysis and control of linear and nonlinear systems with constraints (limited information), hybrid dynamical systems, event-based control, control of systems described by PDEs, and applications in flight control, Aerospace and Control of Anesthesia. Her research has benefited from numerous scientific collaborations with a broad range of national and international colleagues but also from industrial grants.

Sophie acted as Associate Editor (AE) for several international journals: in particular for *IEEE Transactions on Automatic Control* (2015-2020); for *Automatica* (2015-2020); for *SIAM J. Control Optimization* (2020-). She was also Senior Editor for *IEEE Control Systems Letters* (2017-2020) and for *Automatica* (2020-). Since 2023 she served as Deputy Editor-in-Chief for *Auto-*

matica, where she now serves as EIC since 1 January 2026. She is a member of IFAC and IEEE Technical Committees on Nonlinear Systems and Hybrid Systems.

Sophie is an IFAC Pawel J. Nowacki Distinguished Lecturer (2023-2026) and is IEEE Fellow, class of 2024 for contributions to nonlinear control systems with isolated nonlinear elements. She served on the organizing committee and IPC of several IEEE and IFAC conferences, including being the Publication Chair for the 2017 IFAC World Congress.

IFAC Fellow: John Ringwood



John V. Ringwood received the Diploma degree in electrical engineering from Technological University, Dublin, Ireland and the BSc (Eng) from Trinity College, Dublin, in 1981, and the Ph.D. degree in control systems from Strathclyde University, Glasgow, U.K., in 1985. He also holds an MA in Music Technology from Maynooth University, awarded in 2005. He was with the School of Electronic Engineering, Dublin City University, Dublin, from 1985 to 2000 and held visiting positions at Massey University, New Zealand, and the University of Auckland in 1991-92, and 2001, respectively. He was the Founding Head of the Department of Electronic Engineering, Maynooth University, Ireland, where he also served as the Dean of Engineering from 2001 to 2006, and is currently Chair Professor of Electronic Engineering and the Director of the Centre for Ocean Energy Research at Maynooth University.

He has coauthored the monograph (2016) *Hydrodynamic Control of Wave Energy Devices* (with Umesh Korde). His research interests focus on control systems and their applications, including renewable energy systems (and wave energy in particular), physiology,

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February 2026

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The IFAC Journals

Automatica

journals.elsevier.com/automatica

Control Engineering Practice

journals.elsevier.com/control-engineering-practice

Engineering Applications of Artificial Intelligence

journals.elsevier.com/engineering-applications-of-artificial-intelligence

Journal of Process Control

journals.elsevier.com/journal-of-process-control

Annual Reviews in Control

journals.elsevier.com/annual-reviews-in-control

Journal on Mechatronics

journals.elsevier.com/mechatronics

Nonlinear Analysis: Hybrid Systems

journals.elsevier.com/nonlinear-analysis-hybrid-systems

IFAC Journal of Systems & Control

journals.elsevier.com/ifac-journal-of-systems-and-control

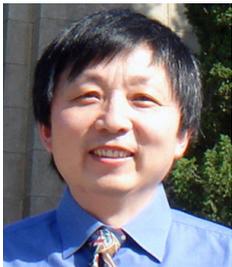
IFAC-PapersOnLine

journals.elsevier.com/ifac-papersonline

and exercise physiology. John was a co-recipient of the 2016 IEEE Control Systems Outstanding Paper Award and the 2023 IEEE Transactions on Control Systems Technology Outstanding Paper Award. He is Associate Editor of *IEEE Transactions on Sustainable Energy*, the *Journal of Ocean Engineering and Marine Energy*, and Deputy Subject Editor of *IET Renewable Power Generation*.

John Ringwood is a Chartered Engineer and a Fellow of Engineers Ireland. He has received a number of awards, including the 2013 Commercialisation Award, the 2019 Doctoral Supervision Award, and the 2024 Outstanding Researcher Award, all from Maynooth University, as well as the 2008 Commercialisation Award from Enterprise Ireland. He was elevated to Chevalier des Palmes Academiques by the French Government, for contributions to ocean energy and collaboration with French researchers in 2017, and IEEE Fellow in 2024, for “contributions to wave energy control systems”. He was also elevated to Fellow of the International Federation of Automatic Control (IFAC) for “contributions to the development of wave energy control technology”.

IFAC Fellow: Wei Xing Zheng



Wei Xing Zheng received the B.Sc. degree in Applied Mathematics in 1982, the M.Sc. degree in Control Theory and Applications in 1984, and the PhD degree in Control Theory and Applications in 1989, all from Southeast University, Nanjing, China. From 1984 to 1991, he was with the Institute of Automation at Southeast University, Nanjing, China, first as a Lecturer and later as an Associate Professor. From 1991 to 1994, he was a Research Fellow in Department of Electrical and Electronic Engineering at Imperial College of Science, Technology and Medicine, London, U.K.; in Department of Mathematics at University of Western Australia, Perth, Australia; and in Australian Telecommunications Research Institute at Curtin University, Perth, Australia. In 1994, he joined Western Sydney University, Sydney, Australia, where he has been a University Distinguished Professor since 2018.

Over the years, he has also held research/visiting positions in Institute for Network Theory and Circuit Design at Munich University of Technology, Munich, Germany; in Department of Electrical Engineering at University of Vir-

ginia, Charlottesville, VA, USA; in Department of Electrical and Computer Engineering at University of California, Davis, CA, USA; etc.

Zheng’s main research interests include control theory, system identification, networked control systems, multi-agent systems, cyber-physical systems, distributed optimization and control, and signal processing. He has published two books, over 500 articles in refereed international journals, and over 300 papers in refereed international conference proceedings. He received the 1991 Chinese National Natural Science Award and several best conference paper awards. He was a recipient of the 2017 Vice-Chancellor’s Award for Excellence in Research (Researcher of the Year) at Western Sydney University, Sydney, Australia.

He was named a Highly Cited Researcher by Clarivate Analytics from 2015 to 2025 consecutively. He was an IEEE Distinguished Lecturer of IEEE Control Systems Society during 2020–2023. In November 2013, he was elected as an IEEE Fellow for contributions to signal processing and system identification. In July 2025, he was elected as an IFAC Fellow for contributions to distributed control of networked systems.

Zheng has served as a Senior Editor for IEEE Transactions on Control of Network Systems (2024–present). He has also served as an Associate Editor for Automatica (2011–present), IEEE Transactions on Automatic Control (2004–2007 and 2013–2019), IEEE Transactions on Control of Network Systems (2017–2023), IEEE Open Journal of Control Systems (2026–present), and several other flagship journals. He has been an Associate Editor of IEEE Control Systems Society’s Conference Editorial Board (2000–present). He was the Publications Co-Chair of the 56th IEEE Conference on Decision and Control in Melbourne, Australia in 2017 and the Chair of IEEE Control Systems Society’s Standing Committee on Chapter Activities during 2018–2021.

IFAC Fellow: Kristin Y. Pettersen



Kristin Y. Pettersen is a Professor in the Department of Engineering Cybernetics, Norwegian University of Science and Technology (NTNU) in Norway, where she has been a faculty member since 1996. She served as Department Head 2011–2013, Vice-Head 2009–2011, and Director of the NTNU ICT Program of Robotics 2010–2013. In the period 2013 – 2023, she was Key Scientist at the Centre of Excellence for Autonomous Marine Opera-

From the IFAC President

Are you an IFAC TC Member, TC Senior Member, or Fellow?

In this edition, I would like to clarify IFAC membership and introduce a new TC membership category called TC Senior Members. Some professional societies offer student, individual, senior, and fellow memberships, as well as corporate categories. These memberships typically require annual fees, paid by individual or corporate members. IFAC is structured differently.

NMOs: Founded in 1957 in Paris with delegates from 18 nations, IFAC is now represented by 45 nations through National Member Organizations (NMOs). These NMOs pay the membership fees, and each has equal voting rights in the General Assembly. IFAC therefore has no individual members who pay membership fees directly.

Affiliates: Many have asked why there is no individual IFAC membership. This reflects IFAC’s origins as a federation of national organizations. IFAC Affiliate status was introduced in 1988 to allow more direct individual participation. Whatever status from student to retiree, without payment of any fee, anyone interested in IFAC activities can be an IFAC affiliate.

Affiliate: For long limited to a single service receiving the Newsletter, this program became central in the IFAC after 2023 with the start of the IFAC Affiliates Portal affiliates. (Available via the IFAC website.) The portal was launched with an initial database of 5,000+ affiliates. It then grew to almost 9,000 affiliates and is currently at 6,000+ affiliates after deleting inactive profiles. Detailed statistics about these numbers are available in the previous issues of the Newsletter.

TC Members: Individual active participation in IFAC has always occurred through Technical Committees (TCs). Since its inception, individuals have served as members of one or more of about 40 IFAC TCs. Irrespective of their country /region, any affiliate may join an IFAC TC, with or without recommendation from a National Member Organization, after approval by the TC Chair. IFAC TC memberships are refreshed at the beginning of each triennium. TC members are selected active affiliates volunteering to participate in IFAC activities.

TC Senior Members: In 2026, IFAC will implement a new TC membership category called TC Senior Members. The establishment of this initiative began in 2023 and has been led by Dimitri Peaucelle, IFAC Vice-President for Operations. We anticipate that 25 to 30 percent of TC members will be elevated to the TC Senior Member tier.

Fellows: The IFAC Fellow program, introduced in 2005 at the IFAC World Congress in Prague, recognizes individuals for high-impact publications, engineering significance, international recognition, and leadership in the field.

In summary, IFAC has nations as members through NMOs. Any individual may for free be an Affiliate. Some are elevated to TC Member because of their engagement in the technical activities, and may soon be promoted to TC Senior Member to acknowledge high involve-

To register as an IFAC affiliate or to update your information please log in to the IFAC Portal.
affiliates.ifac-control.org/

ment in favor of the technical area. Moreover, at each triennium, IFAC honors up to 25 individuals as IFAC Fellows. All of these individual recognitions involve no individual membership fees.

I hope this overview helps clarify IFAC's unique membership structure. I look forward to seeing many of you at the IFAC World Congress in Busan this August.

Sincerely,
Dongil "Dan" Cho
IFAC President, 2023–2026

tions and Systems (NTNU AMOS). She has been an Adjunct Professor at the Norwegian Defence Research Establishment (FFI) since 2014 and a Key Scientist at the VISTA Centre for Autonomous Robotic Operations Subsea since 2020. She co-founded the subsea robotics company Eelume AS, where she served as CEO 2015-2016 and now sits on the board. She received the MSc and PhD degrees in Engineering Cybernetics at NTNU, Trondheim, Norway, in 1992 and 1996, respectively.

She has published four books and over 350 papers in international journals and conference proceedings. Her research interests focus on nonlinear control of mechanical systems with robotics applications, with a particular emphasis on marine robotics and snake robotics. She was awarded the IEEE Transactions on Control Systems Technology Outstanding Paper Award in both 2006 and 2017. She received the IEEE Control Systems Society (IEEE CSS) Hendrik W. Bode Lecture Prize in 2020, and was awarded an ERC Advanced Grant from the European Research Council in 2021.

She was an elected member of the IEEE CSS Board of Governors from 2012 to 2014 and again from 2022 to 2024. She served as IEEE CSS Vice President of Membership and was a member of the IEEE CSS Executive Committee from 2023 to 2024. She was a member of the International Federation of Automatic Control (IFAC) Council 2017 - 2023 and the European Control Association (EUCA) Council 2019 - 2023. She has extensive board experience in industrial, research, and academic organizations. She has served as Associate Editor of IEEE Control Systems Magazine, Associate Editor and later Senior Editor of IEEE Transactions on Control Systems Technology, and as Co-Editor-in-Chief of Robotics for IFAC Mechatronics. She was Program Chair of the IEEE Conference on Control Technology and Applications in 2018. From 2019 to 2022, she was an IEEE CSS Distinguished Lecturer.

She is an IEEE Fellow, an IFAC Fellow, and a member of the Norwegian Academy of Technological Sciences, the Norwegian Academy of Science and Letters, and the Academy of the Royal Norwegian Society of Sciences and Letters.

IFAC Fellow: Silviu-Iulian Niculescu

Silviu-Iulian Niculescu received a B.S. degree from the Polytechnical Institute of Bucharest, Romania, the M.Sc. and Ph.D. degrees

from the Institut National Polytechnique de Grenoble, France, and the French Habilitation (HDR) from Université de Technologie de Compiègne, all in Automatic Control, in 1992, 1993, 1996, and 2003, respectively. From 1992 to 1997, he was with the Department of Automatic Control and Computers, University "Politehnica" Bucharest, Romania. From 1997 to 2006, he was with HEUDIASYC (Heuristics and diagnosis of complex systems) laboratory, Compiègne, France as a Researcher at CNRS (French National Center for Scientific Research). He also held a post doctoral position in the Department of Applied Mathematics, ENSTA, Paris, France, from 1996 to 1997. In September 2006, he joined L2S (Laboratory of Signals and Systems), Gif-sur-Yvette, where he is currently at CNRS. He was the head of the laboratory for a decade (2010-2019). Co-founder of the Inria team "DISCO" (common team of Inria with CNRS and CentraleSupélec, located at L2S) in 2010, he is also an active member of the team.



He is author/coauthor of 11 books and of more than 650 scientific papers. His research interests include delay systems, robust control, operator theory, and numerical methods in optimization, and their applications to the design of engineering systems. He served as Associate Editor for several journals in the Control area, including the *IEEE Transactions on Automatic Control* (2003-2005). He was the guest co-editor of seven issues devoted to the analysis and control of dynamical systems.

Dr Niculescu was the Chair of the IFAC TC "Linear Control Systems" (2017--2023), and he was the initiator and the coordinator of the IFAC Working Group on Time-delay systems for a decade (2007-2017). He has been the General Co-Chair of the European Control Conference (ECC), Bucharest (Romania) in June 2023, and the IPC Chair of the 3rd IFAC Workshop on Time-Delay Systems (Santa Fe, NM, USA, December 2001), of the 8th IFAC Workshop on Time-Delay Systems (Sinaia, Romania, September 2009), 13th European Control Conference (Strasbourg, France, June 2014), and the main organizer or co-organizer of the 1st CNRS-NSF Workshop on Time-Delay Systems (Paris: La Defense, January 2003), and of the two European Summer Schools in Automatic Control (Grenoble, September 2000; Grenoble, July 2013) devoted to time-delay systems.

Dr. Niculescu has been scientific responsible of 15 international cooperation programs and projects including an European ECO-NET network with Eastern European countries. He was member of the IPC of more than 60 Inter-

national Conferences. IEEE Fellow since 2018, Doctor Honoris Causa of University of Craiova (Romania, 2016) and University Lower Danube of Galacti (Romania, 2023), Dr Niculescu is the Founding Editor and the Editor-in-Chief of the Springer Nature Series "Advances in delays and dynamics" since its creation in 2012. Dr. Niculescu was awarded the CNRS Silver and Bronze Medals for scientific research and the Ph.D. Thesis Award from Grenoble INP (France) in 2011, 2001 and 1996, respectively.

IFAC Fellow: Mario Szaiaer



Mario Szaiaer is currently the Dennis Picard Chaired Professor at the Electrical and Computer Engineering Department, Northeastern University, Boston. Prior to joining Northeastern University, Dr. Szaiaer was a Professor of Electrical Engineering at the Pennsylvania State University and also held visiting positions at the California Institute of Technology. His research interest include safe learning enabled control of cyberphysical systems, applications of dynamical systems theory to Machine Learning, robust identification and control of hybrid systems, robust optimization, and dynamical vision. He is serving as the Founding Editor in Chief of the section on AI and Control of the journal *Frontiers in Control Engineering*, and as vice-chair of IFAC Coordinating Committee 2. Past recent service include general chair of the 2024 IFAC Symposium on Systems Identification (SysID), chair of IFAC's Technical Committee on Robust Control (2017-2023) and Associate Editor for the Journal *Automatica* (2005-2021). He is a distinguished member of the IEEE Control Systems Society, an IEEE Fellow and a recipient of a 2026 IFAC Outstanding Service Award.

IFACx Events 2026

Each IFAC NMO can request the IFACx COUNTRY/REGION label for at most 2 domestic events. These may typically be a domestic Conference + one other event such as a summer school, a Webinar series, etc.

The labeled events are not bound to be held in English. IFAC has no financial liability with respect to these events. The technical and scientific quality is the responsibility of the NMO, without any verification by IFAC. The events should be well aligned with IFAC's mission of promoting automatic control, and respectful of IFAC's code of conduct ifac-control.org/about.

Here Newsletter readers can learn about the IFACx events approved for 2026.



Congresso Brasileiro de Automática (CBA 2026)

São Paulo, Brazil — October 06–09, 2026

Type of event: Conference

sites.usp.br/cba2026/

The 26th CBA 2026 is the leading Brazilian conference in the field of Automatics and will take place in São Paulo from 6 to 9 October. The event brings together the scientific, academic, and industrial communities to discuss advances in Control, Automation, Robotics, and their applications.

CBA 2026 is a commemorative edition, celebrating the 50th anniversary of both the first CBA and the Brazilian Society of Automatics (SBA).



1) SAGIP 2026

Bordeaux, FR—10-12 June 2026

Type of event: Conference

sagip2026.sciencesconf.org/

Short description: The fourth Annual Congress of SAGIP, IFAC NMO in France, will be held in Bordeaux, June 10-12 2026. It will be organized by the IMS laboratory at Bordeaux INP, University of Bordeaux (UBx). As previous events in the series, it will gather the Automation and Control scientists and engineers from all research academic and industrial centers in France. The program includes plenary and semi-plenary presentations, dedicated workshops and parallel technical sessions of presentations selected by the SAGIP Editorial Board composed of the Chairs of the SAGIP Technical Committees. The event includes presentations about IFAC and IFAC-related activities in France.

2) MACS fall seminar 2026

Paris, FR— 7-8 October, 2026

Type of event: Workshop

gdr-macs.fr/node/5173

The seminar will be the third in a series started in 2024 with an event dedicated to Multi-Agent Systems followed in 2025 by a seminar on Learning and dynamical systems. The 2026 event will take place in Paris from October 7-8. It will be dedicated to Human-Cyber-Physical Systems. The seminar will include: tutorial presentations on the state of the art; presentations of recent results both from the MACS network and for connected research fields; poster sessions; and a round table on prospective in the field.

The Research Group MACS is a group of the CNRS Informatics institute (INS2I, ins2i.cnrs.fr/en). It is built with the aim of animating and networking the field of Automatic Control in

France. Automatic Control considered in a broad sense of a science that produces methods and tools for controlling systems. The network is made up of some fifty research teams spread across the country. The seminar will also be supported by the French IFAC NMO SAGIP <https://www.sagip.org/en>.



1) the annual German AUTOMATION congress VDI Congress AUTOMATION, Congress Center Baden-Baden —June 17 and 18, 2026 (annually)

Type of event: Conference

vdi-wissensforum.de/automtisierungskongress/

The AUTOMATION is the leading congress in measurement and automation technology and a partner event of the VDI Wissensforum and the VDI/VDE -GMA. With up to six parallel tracks, the congress is the largest networking event in the field of automation, bringing together science and industry in Germany. This congress is a call for paper event with paper selection by a program committee consisting of experts of academia and industry.

The topics covered include:

- AI, data science and dataspace
- Process automation
- Discrete manufacturing
- Safety & security
- Robotics & autonomous systems
- Sustainable technologies, energy and circular economy
- Technology and innovation management
- Industrial communication

2) Annual scientific workshop

Joint workshop of technical committees “Modeling, identification and simulation in automation” and “Systems theory and control”

Anif near Salzburg, Austria, September 2026 (annually)

Type of event: Scientific Workshop

uni-ulm.de/in/gma-fa-2-14/

Two technical committees of GMA's automation technology methodology division organize an annual joint workshop with lectures and intensive discussion. Traditionally, this workshop of the German member organization GMA takes place near Salzburg in Austria. The GMA Technical Committee 2.13 is dedicated to questions of modeling, identification and simulation of dynamic systems at the interface to control engineering. The focus is on theoretical aspects and numerical methods as well as concrete applications from industry and research. The GMA Technical Committee 2.14 deals with current developments in control theory and their application in the industrial environment. The main topics are model predictive control of dynamic systems, nonlinear observers and state estimators as well as control of networked and distributed parametric systems.



1) SIDRA PhD School on Automatica, Bertinoro, IT—July 13-18, 2026

Type of event: Summer school for PhD students in systems and control

sidra2026.dei.unibo.it/

The SIDRA PhD School on Automatica is organized annually by the Italian Society of PhD and Researchers in Automatica1 in July in the beautiful location of Bertinoro. It consists of a week of classes (two parallel courses by renown international researchers in the field) held in a friendly and stimulating environment. This initiative has the sponsorship of IEEE Italy Chapters of the Control Systems Society (CSS) and of the Robotics Society (RAS).

2) DAuSy PhD School on Autonomous Systems

Politecnico di Bari, Bari (Italy) —January 19–22, 2026

Winter school for PhD students in systems, control, and autonomoussystem

dauy.poliba.it/phd/winter-school-2026/

The DAuSy PhD School on Autonomous Systems is organized within the framework of the Italian National PhD Program in Autonomous Systems (DAuSy)1, coordinated by Politecnico di Bari and involving 20+ Italian universities. The 2026 edition—the first in the series—will be hosted in the beautiful city of Bari, located in the Apulia region of Southern Italy.

The Winter School will feature four days of advanced lectures delivered by internationally renowned experts in the fields of control, robotics, optimization, and autonomous systems, all within a collaborative, friendly, and intellectually stimulating environment. This initiative is sponsored by the IEEE Italy Chapters of the Control Systems Society (CSS), the Robotics and Automation Society (RAS), and the Systems, Man, and Cybernetics Society (SMCS).



Name of the event, location, dates: 69th Japan Joint Automatic Control Conference (JJACC)

Tokyo, JP —November 7 (Sat) and 8 (Sun), 2026

Type of event: Conference

sice.jp/rengo69/

JJACC has been held annually since 1958 and is organized by the Japan NMO, which is part of the Science Council of Japan. The conference is sponsored by seven societies related to automatic control including SICE (The Society of Instrument and Control Engineers), ISCIE (The Institute of Systems, Control and Information Engineers), and JSME (The Japan Society of Mechanical Engineers).

IFAC^x Republic of Korea

Name of the event: 2026 The 41st ICROS Annual Conference (ICROS 2026)

EXCO, Daegu, Korea— July 1~ 3, 2026

Type of event: Conference

2026.icros.org/

Short description: ICROS 2026 is the main domestic conference of ICROS (Institute of Control, Robotics and Systems). The main themes of the conference are control and robotics. The conference language is Korean.

IFAC^x Mexico

1) Congreso Nacional de Control Automático 2026 (CNCA 2026)

Monterrey, MX —October 6-9, 2026.

amca.mx/congresos/cnca2026/

Description: The Congreso Nacional de Control Automático (CNCA 2026) is the flagship annual conference of the Asociación de México de Control Automático (AMCA), and on this occasion it will be co-organized with the Universidad Autónoma de Nuevo León. This event serves as a central forum for the Mexican control engineering community to present and discuss its most relevant and recent achievements. All contributions undergo a rigorous peer-review process to ensure high academic and scientific quality. The conference proceedings are published in the annual journal Memorias del Congreso Nacional de Control Automático, providing an accessible and enduring record of the research presented.

2) Summer School: Escuela de Verano de Control Automático.

Mexico City, Mexico.

July 30-31, 2026.

amca.mx/escuelas/ev2026/

The AMCA Summer School is primarily designed for master's and Ph.D. students, researchers, and scholars interested in the theory and practice of automatic control, as well as in emerging related areas. On this occasion, the Summer School will be held in parallel with other Ibero-American control schools, fostering a broader environment for academic exchange, collaboration, and community building across the region.

IFAC^x Spain

1) Jornadas de Automática 2026
Córdoba, ES — 2-4 September 2026

Type of event: Conference

jautomatica.es

“Jornadas de Automática” is the CEA flagship event. It is an annual event with more than 40 years of history. The event brings together a

large number of control professors and researchers from all over Spain and other countries. The event presents scientific works but also addresses issues of interest to the industrial community.

2) CEA Webinars. Online via Zoom and scheduled once a month on Thursdays at 18:00 (GMT +1).

Type of event: Series of Webinars

ceautomatica.es/blog/2018/02/10/webinarizate/

This event represents an opportunity to learn and share the experiences of researchers facing the challenges that arise in the field of automatic control. The presentations are planned to address a wide variety of topics, such as robotics, intelligent control, or control engineering, among others

IFAC^x Tunisia

2026 IEEE International Conference on Advanced Systems and Emergent Technologies (IC-ASET'2026)

Hammamet-Yasmine, TN— 26-28 March 2026.

Type of event: Conference

attend.ieee.org/aset/

This Conference serves as a platform for researchers, academics, and industry practitioners to come together and share their latest findings, technological advancements, and groundbreaking research in the multidisciplinary field of electrical engineering and related emergent technologies. It is an annual Scientific event organized by the ASET Association, the Tunisian National Member Organization (NMO) of IFAC.

IFAC^x United Kingdom

1) 2nd Rosenbrock Lecture Series

Nancy Rothwell Building, Manchester, UK:— 11 June 2026

Type of event: Seminar

uom-csrgroup.uk/rosenbrock-lecture-series-2026

The University of Manchester is pleased to host the second Rosenbrock Lecture Series, celebrating ground-breaking research accomplishments in Control Engineering and Robotics. The keynote lectures will be delivered by four world-leading experts: Prof. Kristin Y. Pettersen (Norwegian University of Science and Technology), Prof. Malcolm Smith (University of Cambridge), Prof. Anders Rantzer (Lund University), and Prof. Robert Bishop (Texas A&M University). This event will be of interest to academic and industry colleagues, researchers, and PhD students across the nation and beyond. We look forward to welcoming you all in Manchester.

2) ACE-UKACC 2026

Automation and Control Conference, Frederick Douglass Centre, Newcastle upon Tyne, UK— 23-25 June 2026
ukcontrol.org

The ACE-UKACC 2026: Automation and Control Conference brings together the ACE Network and the UK Automatic Control Council's biennial UKACC Conference in a single three-day event. ACE, established with EPSRC support, helps coordinate and strengthen the UK control engineering community, while UKACC is the UK's national IFAC NMO. Co-locating the events creates a coherent forum for research, industrial engagement, and future direction. The programme opens with the ACE Forum & Roadmap Launch, followed by two days of UKACC sessions.

Editor's Note: Information about IFACx, including past events, can be found at: ifac-control.org/conferences/@@conference_view

Check out IFAC's YouTube channel for new and historical IFAC video materials!
<https://www.ifac-control.org/>

IFAC Cartoon Archive is available!
ifac-control.org/publications/cartoons

To our readers: To comply with the Austrian 'Media Act', every publication must contain a declaration once a year concerning ownership and purpose, as below.

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 (CH) 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 Laxenburg.

Der 'IFAC Newsletter' erscheint sechsmal jährlich in englischer Sprache unter der Redaktion des Generalsekretärs der IFAC, Dr. Dimitri Peaucelle (Frankreich). 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 45 Mitgliedsländer getragen.

Präsident der IFAC für 2023-2026 ist Prof. Dongil "Dan" Cho (KR), Vizepräsidenten sind Prof. Dr. Silvia Mastellone (CH), Prof. Dr.-Ing. Carlos Eduardo Pereira (BR), Dr. Dimitri Peaucelle (FR), Prof. Richard Braatz (US), und Prof. Sarah K. Spurgeon (UK). Alle Funktionen werden ehrenamtlich ausgeübt.

IFAC Distinguished Lecturer Report Bruno Siciliano “Robot Manipulation and Control” 15 October 2025 Cancún, Quintana Roo, Mexico

It was a great pleasure to present the plenary talk titled “Robot Manipulation and Control” at the XX Latin American Control Conference (LACC 2025) on 15 October 2025 as part of the IFAC Distinguished Lecturer Program.

This IFACx labeled conference seeks to unite the Latin American scientific community dedicated to automatic control and related disciplines. This edition attracted more than 200 participants. The papers were presented in four parallel tracks and the program was enriched by five plenary talks by renowned experts in the field. The modern Centro de Vinculación y Desarrollo Regional Unidad Cancún was the perfect venue for this event.



IFAC Distinguished Lecturer Bruno Siciliano speaking in Mexico, October 2025

During my talk I presented the main research achievements by my PRISMA team during the last few years in four areas; namely, dynamic manipulation, aerial manipulation, autonomous manipulation, and haptic shared control. I particularly enjoyed the questions & answers session after my talk and the discussion continued during the social event in the evening, especially with several PhD students that have learned robotics from my textbook as well as my handbook.

I was also able to catch up with several Mexican colleagues working in robotics and control, including Alejandro Giles who had carried out postdoctoral research in our team back in 2016- 2018.

I would like to thank IFAC and the Distinguished Lecturer Program for this wonderful opportunity.

Submitted by: Bruno Siciliano (IT), IFAC Distinguished Lecturer

Editor’s Notes: IFAC currently has a National Member Organization in Mexico: the Asociación de México de Control Automático (AMCA). More information about AMCA and control activities in Mexico can be found on their website amca.mx/. Further information about the Pawel Nowacki IFAC Distinguished Lecturer Program is available at: ifac-control.org/areas/ifac-distinguished-lecturer-program

Invitation: Public Lecture

The International Federation of Automatic Control cordially invites you to attend an in person and online (via Zoom) public lecture on: Thursday, April 16, 2026 at 16:15 CET to the lecture

**“Reliability Control and Decision Making:
A case study of E-gear Electric Vehicles”**

Speaker: Prof. Dr. Silvia Mastellone
FHNW, Windisch, Switzerland
IFAC Vice-President for Finances



The lecture will take place in person at the

- TU Vienna (Hörsaal EI 2 Pichelmayer, Gußhausstr. 25-25a, 2. Stock Raumnummer: CF0235)
- and via Zoom video conference. The LINK will be distributed after registration.

Abstract: “Engineering systems are typically designed, configured, and operated to optimize performance and efficiency objectives. The aspect of lifetime is only addressed via reliability analysis during the design phase to estimate a system experienced damage, and to predict its time-to-failure. However, operating a system properly can actively minimize its experienced damage over time and increase its lifetime. Reliability and dam-

age models can be derived for electrical and mechanical components, including semiconductors, batteries, capacitors and rotating elements like shafts. We will introduce the concept of Reliability Control and Decision Making, where, based on components reliability models, a multi-horizon optimal controller is designed to operate the systems not only to maximize performance and energy efficiency, but also to minimize the damage and maximize lifetime of the equipment.

The concept can be expanded at fleet level where deployment, operation and maintenance are scheduled to maximize full-service availability. This can be realized in a centralized structure with supervisory control or in a decentralized structure as Cooperative Reliability Control.

We will present a case study of an electric vehicle drivetrain composed of motor and power converter equipped with electric gearing mechanism (E-gear). The automotive power converter (Adjustable XS- Hybrid), features a parallel arrangement of Silicon Carbide (SiC) Mosfet and Silicon (Si) IGBT, dynamically operated to implement the E-gearing mechanism to drive the motor. Based on SiC and Si damage models a reliability control is implemented for the current and E-gear to achieves motor speed tracking, with enhanced efficiency and lifetime for the EV.

To conclude, enhancing the control design with reliability requirements contributes to create a sustainable ecosystem and unlock exciting new research venues.”

Participation is free of charge, but registration is compulsory at secretariat@ifac-control.org. The registration deadline is April 1, 2026.

Please indicate in your registration email how you wish to join: in-person, or remotely.

For all who indicated to join remotely: you will receive a separate e-mail with the Zoom link for the event at a later point.

Feel free to share this invitation with colleagues who might be interested.

Impressum:

Medieninhaber und Herausgeber:
International Federation of Automatic Control (IFAC), Zurich
Schlossplatz 12, 2361 Laxenburg, Austria

Verlagsort und Redaktion: Dr. Dimitri Peaucelle,
Schlossplatz 12, 2361 Laxenburg
newsletter@ifac-control.org
Editor: Dimitri Peaucelle
Deputy Editor: Moritz Schulze Darup
Layout: Elske Haberl
published bimonthly

ISSN 0254-3109

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 Innovation, Mobilität, und Infrastruktur „BMIMI“ gefördert.

 Federal Ministry
Innovation, Mobility
and Infrastructure
Republic of Austria

IFAC Journals: Editorial Leadership Updates in 2026

We are pleased to announce the following editorial leadership appointments for *Automatica*, *Control Engineering Practice*, and *Nonlinear Analysis: Hybrid Systems*, effective January 2026.

Automatica: A fond farewell to Andy Teel, and a warm welcome to Sophie Tarbouriech as the new Editor-in-Chief.

IFAC and Elsevier are delighted to begin the new year by welcoming Sophie Tarbouriech as the new Editor-in-Chief of *Automatica*. Sophie succeeds Andy Teel, who concluded his distinguished term as Editor-in-Chief at the end of 2025, having graciously served in this role since 2017. Sophie brings extensive experience to her new position on the journal, having served as Deputy Editor of *Automatica* since 2023.

Under Andy's expert leadership, *Automatica* has firmly established itself as IFAC's flagship journal and a leading publication in the control community worldwide. Over nearly a decade, Andy has adeptly guided the journal through a rapidly changing publishing landscape, all while maintaining the high standards and impact of *Automatica*. We sincerely thank Andy for his outstanding service, tireless efforts, and commitment to supporting authors, reviewers, and the broader research community. We look forward to continued collaboration with him in other capacities within the IFAC portfolio.

Sophie's appointment as Editor-in-Chief marks a historic milestone as the first female Editor-in-Chief of an IFAC journal, underscoring IFAC and Elsevier's dedication to advancing equity, diversity, and inclusion in the control field. We very much look forward to this new chapter for *Automatica*, and are confident that under Sophie's leadership, the journal will continue to thrive and innovate.

Please join us in congratulating Sophie on her new role and in expressing our heartfelt thanks to Andy for his exceptional contributions.

Control Engineering Practice & *Nonlinear Analysis: Hybrid Systems* – New Deputy Editors

IFAC and Elsevier are delighted to announce the appointment of two new Deputy Editors, effective January 2026:

- Nicolas Petit (MINES ParisTech, France) will join *Control Engineering Practice* as Deputy Editor

- Raphaël Jungers (UCLouvain, Belgium) will join *Nonlinear Analysis: Hybrid Systems* as Deputy Editor

Raphaël brings valuable experience from his previous role as Senior Editor on *Nonlinear Analysis: Hybrid Systems*, while Nicolas is a new addition to the *Control Engineering Practice* editorial team.

The Deputy Editor role is a key component of IFAC's standard editorial structure, designed to support Editors-in-Chief in strategic journal development, ensure leadership continuity, and facilitate effective succession planning. We are delighted that *Control Engineering Practice* and *Nonlinear Analysis: Hybrid Systems* now align with this model.

We warmly congratulate Nicolas and Raphaël on their appointments, and very much look forward to working with them both in their new positions.

Submitted by: Kerri Brown, Senior Publisher, Elsevier

IFAC Congress Paper Prizes: Announcement and Call for Nominations

The International Federation of Automatic Control awards several best paper prizes for papers accepted and presented at the IFAC World Congress in Busan:

The IFAC Young Author Theory Paper Prize is given for outstanding technical contributions in the broad area of control, systems, and automation theory at an IFAC Congress by an author who is younger than 30 years.

The IFAC Young Author Application Paper Prize is given for outstanding technical contributions in the broad area of control applications at an IFAC Congress by an author who is younger than 30 years (by August 1st, 2026).

Nominations for both Young Author Awards can be made by any supervisor or colleague of the young author, or by a senior person. The nomination should highlight the candidate's outstanding contribution and certify that he/she satisfies the age criterion. Self-nominations are not allowed. The deadline for submitting nominations for both Young Author Prizes is: 15 April 2026. Nominations for both Young Author Prizes need to be sent to the chair of the selection committee for the awards Carlos Canudas de Wit at carlos.canudas-de-wit@gipsa-lab.fr.

The IFAC Interactive Theory Paper Prize is given for the best interactive paper accepted and presented at the IFAC World Congress in the broad area of control, systems, and automation theory. The IFAC Interactive Application Paper Prize is given for the best interactive paper accepted and presented at the IFAC World Congress in the broad area of control applications.

All interactive papers that are accepted for the IFAC World Congress are considered by the Selection Committee for the two Interactive Paper Prizes. No nominations are possible.

The IFAC Application Paper Prize is given for outstanding technical contributions at an IFAC Congress in the area of control applications. All papers with a clear application focus, that are accepted for the IFAC World Congress, are considered by the Selection Committee for the Application Paper Prize.

Nominations for the Application Paper Prize can be made by individual researchers, but no self-nominations are allowed.

The deadline for submitting nominations for the IFAC Application Paper Prize is: 15 April 2026. Nominations need to be sent to the chair of the selection committee for the award Lars Eriksson at lars.eriksson@liu.se.

The prizes for all IFAC Congress Awards consist of a monetary prize and a certificate and will be handed out during the closing ceremony of the IFAC World Congress in Busan. Papers authored by members of the respective Selection Committees or the Awards Chair are not eligible for the Congress awards.

For questions concerning the awards or the procedures please consult the website of the IFAC World Congress, the IFAC website or contact the IFAC Awards Chair Frank Allgöwer at frank.allgower@ist.uni-stuttgart.de.

IFAC Privacy Policy

IFAC - the International Federation of Automatic Control - values the privacy of its members, affiliates and visitors to its website and is strongly committed to each visitor's right to privacy. The privacy policy explains IFAC's information gathering and handling practices. It describes how we gather and protect individually identifiable information ("Personal Information"), how we use, process, transfer, and share personal information, and sets forth your personal data privacy rights.

Responsibility in accordance with applicable data protection laws lies with IFAC, Physikstrasse 3, 8092 Zürich, Switzerland; (IFAC Secretariat: Schlossplatz 12, 2361 Laxenburg, Austria, phone: +43 2236 71 447), e-mail: secretariat@ifac-control.org. Any reference in this policy statement to "we" or "us" refers to the above organisation.

If you have any questions regarding IFAC's privacy policy or do not feel that your concerns have been otherwise addressed, please contact us at the above address.

You have the right at any time to request that we stop processing your personal information. We will promptly adhere to such requests unless we can establish legitimate reasons for continuing the processing which prevail over your interests and rights, or unless the processing is necessary to enforce or defend our rights and interests in law.

The full IFAC privacy policy is available on the IFAC website at: <https://www.ifac-control.org/privacy-policy>

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We encourage electronic distribution of this Newsletter, as well as reprinting in national and local automatic control periodicals.

Acknowledgement to IFAC would be appreciated.

Calendar of IFAC Conferences

Title	2026	Place	Further Information
AACC, IFAC, et al. Conference on American Control Conference (in cooperation with IFAC)	May 25 – 29	New Orleans, LA USA	acc2026.a2c2.org/
EUCA/IFAC Conference on European Control Conference (in cooperation with IFAC)	July 7 – 10	Reykjavik Iceland	hecc26.euca-ecc.org/ ecc26@euca-ecc.org
10th IEEE/IFAC International Conference on Control, Automation and Diagnosis ICCAD 2026	July 7 – 9	Lisbon Portugal	https://www.iccad-conf.com/ contact@iccad-conf.com
International Symposium on Mathematical Theory of Networks and Systems (in cooperation with IFAC) MTNS 2026	August 17 – 21	Waterloo, ON Canada	uwaterloo.ca/international-symposium-mathematical-theory-networks-systems
23 rd IFAC World Congress WC 2026	August 23– 28	Busan Republic of Korea	ifac2026.org ifac2026@ifac2026.org
17 th APCA International Conference on Automatic Control and Soft Computing CONTROLO 2026	September 9 – 11	Coimbra Portuga	https://controlo2026.apca.pt/ controlo2026@apca.pt
67 th SIMS/IFAC International Conference of Scandinavian Simulation Society SIMS 2026	September 16 – 17	Eskilstuna Sweden	scansims.org/events.php?sid=41&src=db1557571001&udpview=show-event
6 th AACC/IFAC Conference on Modeling, Estimation and Control MECC 2026	October 25 – 28	Phoenix (AZ) USA	
6 th IFAC Workshop on Cyber-Physical Human Systems CPHS 2026	December 11 – 12	Redondo Beach, CA USA	
Title	2027	Place	Further Information
8 th IFAC Conference on Analysis and Control of Nonlinear Dynamics and Chaos ACNDC 2027	June 9 – 11	Monte Porzio Catone (Rome) Italy	
21 st IFAC Symposium on System Identification - Learning models for decision and control SYSID 2027	July 7 – 9	Lyon France	

The IFAC Calendar of Conferences is constantly updated as additional IFAC Conferences (Workshops, Symposia, and Conferences) are approved. Please check back often for the current status.
The complete version of the IFAC Calendar of Conferences is available online at: ifac-control.org/events/

*Wishing a Happy
Lunar New Year to
all members of the
IFAC community
celebrating!*

The IFAC Council and Related Meetings 2026 will take place in conjunction with the 2026 IFAC World Congress in Busan, KR in August 2026.

The schedule is constantly updated and is available at:

ifac-control.org/news/meeting-schedule-busan-korea