New IFAC Journal Editors: Changes in 2024

IFAC and Elsevier are delighted to begin the new year by welcoming two new Editors-in-Chief to the journals Annual Reviews in Control and Control Engineering Practice.

We are pleased to announce that in January 2024 Professor Hervé Panetto (FR) took over as Editor-in-Chief of Annual Reviews in Control, while at Control Engineering Practice, previous Deputy Editor-in-Chief Professor Knut Graichen (DE) became the new Editor-in-Chief. Both editors have extensive experience and knowledge of the journals, and we very much look forward to working with them!

Meanwhile, we wish to sincerely thank the Editors-in-Chief stepping down at the end of 2023: Françoise Lamnabhi-Lagarrigue (ARC) and Biao Huang (CEP). They have given outstanding service to their respective journals as Editors-in-Chief (Françoise since 2015 and Biao since 2018), both of which have grown and developed at an incredibly fast rate under their editorship, in terms not only of size but also in quality. They are thanked for all their tireless hard work and initiatives, their care for and understanding of their communities, including early career scholars, as well as their support to the publisher; we hope to continue engaging with them through the journals for many years to come.

All the best of luck to Hervé and Knut for 2024 and beyond as they begin their new roles!

Submitted by: Kay Tancock, Senior Publisher, Elsevier

Introducing the new EiCs

Hervé Panetto

Hervé Panetto is a Professor of Enterprise Information Systems at University of Lorraine. He teaches Information Systems modelling and development at TELECOM Nancy and conducts research at CRAN (Research Centre for Automatic Control), Joint Research Unit with CNRS where he is managing a research project on the use of neuro-symbolic AI for formalising models related to the interoperability of cyber-physical-social systems and human-centric systems. He is a member of the Academy Europeana and a Fellow of the AAIA (Asia-Pacific Artificial Intelligence Association).

He received his PhD in production engineering in 1991. He has strong experience in information systems modelling, semantics modelling and discovery, and database development. His research field is based on information systems modelling for enterprise applications and processes interoperability. Panetto is working on the cyber-physical systems smart interoperability with neuro-symbolic techniques and cognitive digital twins. He is expert at AFNOR (French National standardisation body), CEN TC310 and ISO TC184/SC4 and SC5.

He participated in many European projects including IMS F5P-IST Smart-fm project (awarded by IMS) and the FP6 INTEROP NoE (Interoperability Research for Networked Enterprises Applications and Software). He is serving as expert-evaluator for the European Commission, FNR, AERES and ANR in the domain of ICT. He was visiting Professor in 2013-2015 in the frame of a Science Without Borders PVE project with PUC Parana, Brazil and visiting Professor in 2016 at the UTFPR, Curitiba, Brazil.

Hervé is editor or guest editor of books and special issues of international journals. He is author or co-author of more than 200 papers in the field of Automation Engineering, Enterprise Modelling and Enterprise systems integration and interoperability. From 2020 to 2023, he was IFAC Chapter Chair of SAGIP, the IFAC French National Member Organization. After being Chair of the IFAC Technical Committee 5.3 “Enterprise Integration and Networking” from 2008 to 2014 and Chair of the IFAC Coordinating Committee 5 on “Manufacturing and Logistics Systems” from 2014 to 2020, he is now Vice-Chair of the IFAC Technical Committee 9.3 “Control for Smart Cities”. He received the IFAC France Award 2013, the INCOSE 2015 Outstanding Service Award and the IFAC 2017 Outstanding Service Award. He is Editor-In-Chief of the IFAC Annual Reviews in Control (ARC, Elsevier) and member of the board of some journal including the IFAC En...
What can I do (or not) with papers published on IFAC-PapersOnLine?

All papers from IFAC conferences (where IFAC is the main sponsor) are published, in partnership with Elsevier in the IFAC-PapersOnLine series hosted at the ScienceDirect web service.

IFAC-PapersOnLine articles undergo a peer review selection process according to the IFAC rules, and are published in journal format on ScienceDirect (like any other IFAC title). Papers are abstracted and indexed in major databases, including Scopus and Web of Science. However, they recognise IFAC PaperOnLine as “conference proceedings publication” and, therefore, presents it as such.

The copyright of papers submitted to IFAC events before 1 October 2019, belongs to IFAC, and their full texts are publicly available on ScienceDirect. Nevertheless, from that date, the main features of IFAC-PapersOnLine series include:

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- Copyright belongs to the authors, while IFAC gets exclusive publication rights. This means that, for open access publishing, the authors grant exclusive publication rights or sub-license commercial use to IFAC, but they retain all patent, trademark and other intellectual property rights (including research data).
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From the IFAC President

Dear IFAC Friends and Colleagues,

I extend my best wishes for a happy and prosperous new year to all IFAC affiliates. In this edition, I will describe the Executive Committees within the IFAC organization. IFAC has three Boards: the Technical Board, the Conference Board, and the Publication Board, whose functions are more or less well-known. Thousands of individual IFAC affiliates participate in various aspects of the Boards’ operations. In addition, IFAC has the following six Executive Committees:

- Awards Committee
- Membership Committee
- Activity Fund Committee
- Distinguished Lecturer Program Committee
- Diversity and Inclusion Committee
- Education Activities Committee

The Awards Committee and the Membership Committee are the oldest among the six Executive Committees. The Membership Committee, typically chaired by the Immediate Past IFAC President, is responsible for assessing new NMO applications and reviewing existing NMOs for compliance with IFAC’s aims, mission, and vision. The Awards Committee aims to recognize individuals who have made outstanding contributions to IFAC and the field of control science and engineering in general. This committee comprises more than twenty sub-committees, with sub-committee chairs and members selected from a pool of recognized researchers across all areas of automatic control.

The Activity Fund Committee and the Diversity and Inclusion Committee were established in 2020, while the Education Activities Committee was created in 2023. These committees are closely interconnected and aim to directly benefit all IFAC NMOs and Affiliates by providing financial support for both local and global activities, promoting control education, and working towards diversifying all aspects of IFAC’s operations. The Distinguished Lecturer Committee, also established in 2020, specifically supports IFAC’s NMOs in developing regions, with IFAC partially supporting the invitation of an IFAC Distinguished Lecturer to a local conference.

For more detailed descriptions of these committees, please visit our webpage and consider submitting proposals from your NMO to take advantage of the opportunities. These four Executive Committees welcome initiatives for respective activities, and we eagerly await your innovative ideas.

Thank you very much for your participation and support.

With best regards,

Dong-II “Dan” Cho,
IFAC President 2023-2026
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Submitted by: José Luís Diez Ruano (ES), IFAC Papers-OnLine Editor-in-Chief

IFAC Distinguished Lecturer Report
Lucy Pao
“The Power of Wind”
November 2023
Pretoria & Stellenbosch, ZA

In November of 2023, Lucy Pao from the University of Colorado- Boulder (US) became the first IFAC Distinguished Lecturer to visit South Africa. She presented two excellent talks on the challenges and opportunities to enable a clean energy future using efficient wind energy systems.

Her first talk was hosted by Derik le Roux at the University of Pretoria (UP), and the second by Tobi Louw at Stellenbosch University (SU). The talks were attended by a wide audience - including members from industry, faculty, and students - who had the opportunity to engage with Lucy for questions and answers after each talk.

The United Nations includes “Affordable and Clean Energy” as one of the 17 sustainable development goals to achieve by 2030. The use of wind energy is especially relevant to ensure countries can transition towards a renewable and zero-emission energy mix. In her talk, Lucy highlighted the opportunity within South Africa for the use of wind energy to provide efficient and reliable power. As one of the fastest growing sources of clean energy, commercial wind turbines which can provide up to 15 MW of power are already available. These wind turbines use blades which are easily more than 100 m long and their construction can become very expensive. Pao and her research group investigate how to reduce the cost of the blades without compromising the efficiency and power generation capacity of the turbines. They also consider the influence of the control actions to ensure the optimal power is generated compared to the structural longevity of the wind turbine. Pao discussed the development of large off-shore wind turbines, especially turbines floating in deep water with depths exceeding 60 m. Since these wind turbines do not have a fixed foundation, it is necessary that the floating structure remains stable and reliable even in stormy conditions. More generally, Lucy elaborated on the benefits of control co-design. Contrary to the traditional sequential design of engineered systems, control co-design emphasizes an iterative approach, where the capabilities of the control system (typically the last element to be considered in traditional approaches) could be leveraged to improve, for example, structural designs. Using wind turbines as an example, she discussed how the ability of a control system to effectively mitigate vibrations enabled mechanical engineers to design lighter, more flexible blades, thereby driving down material requirements and costs.

Submitted by: Derik le Roux and Tobi Louw

Lucy Pao giving her Distinguished Lecturer talk in Pretoria, ZA

IFAC Council- and Related Meetings 2024

IFAC Officials: Please note that the 2024 meetings will take place from 24-26 June 2024 in conjunction with the European Control Conference in Stockholm, SE! The constantly updated draft schedule is available at:

ifac-control.org/news/stockholm-schedule

The following IFACx events were approved for 2024. Detailed information about these conferences as well as the IFACx program in general is available at: ifac-control.org/conferences/copy_of_ifacx-labeled-conferences-2024

BRAZIL
Congresso Brasileiro de Automática (CBA 2024), Rio de Janeiro, Brazil, October 15-18, 2024
Type of event: Conference
Website cba2024.eventos.ufrj.br/

CHILE
2024 IEEE International Conference on Automation / XXVI Congreso de la Asociación Chilena de Control Automático, ACCA (IEEE ICA- ACCA 2024)
Location: Universidad de Santiago de Chile, Chile

The following technical lecture will take place in Vienna, Austria on Thursday, 18 April 2024. Information about attending in-person and via Zoom will be available on the IFAC website closer to the date.

Lecturer: Richard D. Braatz, Massachusetts Institute of Technology (MIT, US), IFAC Vice-President, Conferences

Title: Machine Learning-based Lifetime Prediction and Charging Optimization of Lithium-ion Batteries

Abstract: This presentation describes advances in machine learning-based techniques for addressing systems problems that arise for lithium-ion batteries. The specific systems problems include the prediction and classification of battery cycle lifetime (aka remaining useful life), the determination of optimal charging protocols, and the identification of fundamental physicochemical expressions for electrochemical kinetics, thermodynamics, and mass transfer from real-time video imaging. The development of the techniques and their application are in collaboration with materials science, applied physics, and computer science researchers at Stanford University, Toyota Research Institute, and MIT.
**France**

SAGIP 2024, Lyon, France, May 29-31, 2024
Type of event: National Conference
Website: sagip2024.sciencesconf.org/

**Germany**

1) the annual German AUTOMATION congress
VDI Congress AUTOMATION, Congress Center Baden-Baden, July 2 and 3, 2024 (annually)
Type of event: Conference
Website: vdi-wissensforum.de/automatisierungskongress/

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 2024 (annually)
Type of event: Scientific Workshop
Website: tu-dresden.de/ing/elektrotechnik/rst/das-institut/qma-fa-1-40

**Japan**

67th Japan Joint Automatic Control Conference (JJACC), Himeji, Japan, November 23-24, 2024
Type of event: Conference
Website: renopo67.iscje.or.jp/

**Korea, Rep. of**

The 39th ICROS Annual Conference (ICROS 2024)
Location: Daejeon Convention Center, Daejeon, Korea
Dates: July 2-4, 2024
Type of event: Conference
Website: 2024.icros.org

**Mexico**

1) (Conference) Name: Congreso Nacional de Control Automático, CNCA 2024.
Location: Ciudad de México, México. Dates: October 2-4, 2024.
Website: amca.mx/congresos/cnca2024/

2) (Summer School) Name: Escuela de Verano de Control Automático. Location: Ciudad de México, México. Dates: June 13-14, 2024.
Website: amca.mx/escuelas/

**Spain**

JORNADAS DE AUTOMÁTICA, MALAGA,
Type: Conference
Website: automatica.es/
Short description: This is the annual event organized by CEA and which has the participation of a large number of its members. The event presents scientific works but also addresses issues of interest to the community.

**United Kingdom**

The 14th UK Automatic Control Council International Conference (Control 2024) will be held from 10-12 April 2024 in Winchester, UK.
Type of event; International conference
Website: control2024.uk/

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**IFAC Affiliates portal**

The portal gives access to IFAC services:
- Share with and consult information about other Affiliates
- Receive the IFAC Newsletter
- Receive alerts about the IFAC Conferences in your field(s) of interest
- Get reduced registration fees at IFAC Conferences. Conferences are typically 10€ (or the local equivalent) less expensive for IFAC Affiliates, than for non-affiliates
- Participate in IFAC Technical Activities
- Organize IFAC Conferences
- Participate in IFAC Journals
- Be nominated to IFAC Awards
- Apply to the IFAC Activity fund
- More to come in the future!

New! Log in is shared with the IFAC Conference App. There is no need for double registration.

Any individual interested in Control Engineering should sign up at affiliates.ifac-control.org/

How do I connect?
- If you are not yet connected to IFAC and wish to join for free, select ‘Sign-Up’ and then ‘Register for an IFAC Account’. Meanwhile you may also browse the Web public data.
- If you receive this Newsletter in your mailbox, this means you are already connected to IFAC and listed in our database. To create your access to the portal for the first time, please select ‘Sign-Up’ and then ‘Register for an IFAC Account’ as above. In order to link your access to your existing data and save some time, please complete the form with the exact email address at which you receive the Newsletter.

Detailed instructions are available at ifac-control.org/about/affiliate-registration

Free and Exclusive

Signing in as an IFAC Affiliate is free and you keep of the control of the shared data which shall not be used for commercial or non IFAC purpose.

Signing in as IFAC Affiliate is mandatory to benefit from IFAC services and to participate in IFAC activities. Affiliates who do not connect to the portal within a year will have their data removed from the database. They will still have the possibility to become an affiliate again, but it may temporarily prevent access to services.

For any additional information, or if you require any assistance, please contact secretariat@ifac-control.org

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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.

**IFAC Activity Fund Committee Update**

Control is everywhere but nowhere. Readers of this newsletter don’t need to be convinced that control is ubiquitous. After all, isn’t virtually every engineered, biological, and physical system dynamical in nature, and isn’t control science and engineering the one and only discipline dedicated to the understanding, design, and operation of all things dynamical?

Yet, in Karl Aström’s memorable phrase, control is a hidden technology. Tell the field? How meet at a party that you’re a control engineer and, more likely than not, you’ll need to explain to them what control systems are and how the field underpins everything around us, not to mention ourselves. (They’ll be polite but incredulous.) But it’s not only that control is a hidden technology; control scientists and engineers tend to be hidden too. We won’t go out of our way to promote what we do, we’re content working on our mathematical papers, and we’ve been known to confine our models with the real world!

This lack of visibility and recognition has been a cause of concern for the control community, especially professional organizations dedicated to control. Questions such as the following have often been debated: How can such organizations encourage their members and stakeholders to take a more expansive view of their discipline? How can they attract more, and more diverse, people to the field? How can they help the broader public understand the crucial importance of our knowledge and skills? Some notable steps have been taken. For example, over a decade ago, IEEE Control Systems Society launched its Outreach Fund (disclosure: this author considers the Outreach Fund a major accomplishment of his CSS presidency in 2009).

The IFAC Activity Fund is the outcome of similar discussions in the next-to-last IFAC triennium, under the presidency of Frank Allgower. The Activity Fund was formalized and launched in 2020, with Margret Bauer as the founding chair. The objective of the Activity Fund is to provide financial support to individuals and groups for initiatives that foster and promote public engagement and outreach for the control community. The Activity Fund Committee shall normally take care of the IFAC Activity Fund, the call of proposals, their evaluation and selection. It shall report to the Executive Officers for final approval. Of particular interest are initiatives that:

- Maximize control community engagement;
- Promote inclusion and diversity in alignment with the IFAC guidelines;
- Increase control engineering influence in public discourse and decision-making.

It should be noted that research-oriented projects are not eligible—numerous sources for research funding are already available. About
twenty projects were approved in the first triennium of the Fund’s operation.

Calls for applications for Activity Fund grants are announced biannually, with deadlines in April and October. A letter of support from an IFAC organization (typically an NMO or TC) is required for all applications. Funding amounts range from €2,500 € to 12,500, although higher amounts can be proposed for exceptional projects. The annual budget for the Fund is €50,000.

The second triennium of the Activity Fund is now under way, with a committee comprising Paul Goulart (UK), Charlotte Johnson (SE), Ayoung Kim (KR), Carlos Pereira (BR), and Tariq Samad (US, chair). The first call of this triennium was issued in October, 2023, and resulted in a record twenty applications. After deliberations by the committee, eight projects have been selected for funding, as follows (names of project leaders and the sponsoring IFAC organization are included):

- IFAC Latin American Women in Control Engineering (IFAC LA-WICE) meeting
  Project leader: Karina A. Barbosa (CL)
  IFAC organizational sponsor: ACCA (Chile IFAC NMO)

- Empowering Tomorrow’s Innovators: Unleashing the Potential of Girls in Control Engineering in South Africa
  Project leader: Syamala Krishnannair (ZA)
  IFAC organizational sponsor: SACAC (South Africa IFAC NMO)

- ROV-based treasure hunts for attracting students towards control and robotics
  Project leader: Giulia Micheletto (IT)
  IFAC organizational sponsors: TC 7.5 (Intelligent Autonomous Vehicles) and TC 9.2 (Systems and Control for Societal Impact)

- The Control Engineering Exercises Journal – IT infrastructure costs for the startup period
  Project leader: Damiano Varagnolo (NO)
  IFAC organizational sponsors: TC 9.4 (Control Education) and Education Committee

- Developing children’s tridimensional ordinality through control systems and robots
  Project leader: Erivelton Nepomuceno (IE)
  IFAC organizational sponsor: Ireland IFAC NMO

- Seminar Series and Workshop on Biological Control Systems
  Project leader Christian Cuba Samaniego (US)
  IFAC organizational sponsor: TC 2.1 (Control Design)

- Female Historical Influencers in Automatic Control – Part 3
  Project leader: Margret Bauer (DE)
  IFAC organizational sponsor: TC 9.4 (Control Education)

- Build, Control and Fly mini drone activities
  Project leader: Junaid Ahmed Memon (UK)
  IFAC organizational sponsor: TC 9.4 (Control Education)

The IFAC Activity Fund has supported the development of portraits of influential historical women (retired or emeritus female professionals) in automatic control. Clockwise from top left: Irmgard Flugge-Lotz, Nina Thorinhill, Sirkka-Liisa Jamsa-Jouanela, Eveline Gottzein, Bozena Pasik-Duncan. For more information please see control.lth.se/external-engagement/historical-female-influencers-in-automatic-control/

Submitted by: Tariq Samad (US), Chair, IFAC Activity Fund

About the Activity Fund Committee Chair

Tariq Samad holds the Honeywell/W.R. Sweatt Chair and is a Senior Fellow at the Technological Leadership Institute at the University of Minnesota (US). He joined TLI in 2016 after a 30-year career with Honeywell, retiring as Corporate Fellow with Honeywell Automation and Control Solutions and the Global Innovation Leader for the business. During his career with Honeywell, he contributed to and led automation and control technology developments for applications in clean energy, electric power systems, building management, the process industries, automotive engines, unmanned aircraft, and advanced manufacturing.

Tariq is a past president of the American Automatic Control Council, the U.S. IFAC NMO, and IEEE Control Systems Society. He is a Fellow of IEEE, IFAC, and AAA and the recipient of a few awards including the IEEE CSS Control Systems Technology Award, an Outstanding Service Award from IFAC, and inclusion in Control Global’s Process Automation Hall of Fame. He was the founding chair of the IFAC Industry Committee and currently chairs the IFAC Activity Fund. His book publications include the Encyclopedia of Systems and Control (co-editor-in-chief, Springer, 2014; 2nd edition 2021). He was editor-in-chief of IEEE Press and is currently the founding editor of the Wiley/IEEE Press book series on “Technology Management, Innovation, and Leadership.”

Tariq serves on the board of Clean Energy Economy Minnesota and is Vice President of Publications for IEEE Technology and Engineering Management Society. He holds a B.S. degree in Engineering and Applied Science from Yale University and M.S. and Ph.D. degrees in Electrical and Computer Engineering.

Transition: Eveline Gottzein

Eveline Gottzein – a Pioneer in Aerospace Control

Challenging control systems in aerospace for satellites and rockets, but also for magnetic levitation trains fascinated Eveline Gottzein a life long. Together with her teams she elaborated groundbreaking trains and provided a role model for women in engineering honored by many awards at highest level, including her selection as first female IFAC fellow. She passed away on 24.12.2023 in Höhenkirchen near Munich (DE).

Eveline Gottzein was born in 1931 in Leipzig (DE) to a family who encouraged her interests in technology and nature. Located in eastern Germany it was difficult to pursue her professional visions in science and technology. Thus in 1957 she decided to leave for Western Germany to study Mathematics and Control at TU Darmstadt. Despite difficult study conditions, always interrupted by industrial work to earn related costs of living, she graduated with a Diploma 1962 in Mathematics. This was thanks to her talent in engineering and her motivation to work extremely hard.

Eveline Gottzein demonstrating to experts the model of the ASTRIS propulsion system, the 3rd stage of the European rocket ELDO (around 1970, source: HOPM Archiv).

In 1959 she joined the company Bölkow AG in Ottobrunn, where the challenging and motivating tasks in the emerging aerospace sector attracted her attention. Her boss Ludwig Bölkow recognized her talents and at age of 32 she was already appointed as head of the vehicle control and simulations department. New
control challenges for rockets and satellites required interdisciplinary knowledge for mathematical modelling of complex physical processes, which she and her team mastered in an excellent way. Based on excellent engineering skills, vigor, and diligence, Eveline Gottzein was well prepared to address the opportunities in this new challenging engineering field. Thus her department grew very fast to about 100 people and she demonstrated, what woman can achieve in engineering. Thus she became a paragon for the next generation of female engineers.

Europe’s entry to telecommunication via space was paved by the two French-German satellites „Symphonie“ (launched in 1974 and 1975). Her team received responsibility for orientation and stabilisation of these satellites and achieved a technology breakthrough by realizing the innovative 3-axes attitude control system, which became the worldwide standard replacing the spin-stabilized principles used before. A complete infrastructure to test related characteristics on ground had to be invented, leading to the realization of innovative dynamic test benches, exported by the company MBB worldwide to space industry. In this way her department grew steadily. Eveline Gottzein liked challenges and was characterized by her collaborators as a realistic visionary. She was ambitious and worked extremely hard with her collaborators to become one of the worldwide leading control departments.

In parallel, in the 1970s the magnetic levitation trains raised significant control challenges, which were transferred to her department. She summarized the groundbreaking solutions after a hard working day in her leisure time in the dissertation „The „Magnetic Wheel“ as autonomous functional unit of modern carrier and control systems for magnetic levitation trains“, submitted in 1983 at Technical University Munich. Based on these contactless, distributed, robust electromagnetic principles 1987 TRANSRAPID reached the world speed record for trains at 460 km/h.

Even after formal retirement in around 1990 Eveline Gottzein continued to pursue her visions and initiated innovative use of GPS receivers for navigation of geostationary satellites. She also followed the “New Space” developments during the last decennium and was very glad to see the new role of her early dynamic simulators in the new context of formations composed of small satellites. This closed the loop on distributed, networked control systems also in the context of attitude and orbit control of satellites.


In recognition of her outstanding achievements in science and technology, but also her inspiring leadership capabilities and her pioneering role for female engineers, she was selected for highest awards: 1993 Werner-von-Siemens-Ring, 1996 Bavarian Medal of Merit, 1998 Maximilians-Medal, 2000 Order of Merit of the Federal Republic of Germany, 2007 AIAA Fellow, and 2008 IFAC Fellow (she was the first female IFAC Fellow).

Beyond these technology challenges she emphasized international collaboration in space technology and supported bridges between science and industry in international professional institutions as IFAC and AIAA. She participated from the beginning in the 1960s in the IFAC Symposia on Aerospace and had chairwoman positions from the 1970s until 2002.

Eveline Gottzein was a key person for IFAC’s visibility in the Aerospace sector. She organized impressive IFAC Symposia on „Automatic Control in Aerospace“: 7th in Rottach-Egern (1976), and 12th in Ottobrunn (1992). Legendary are her excursions in the accompanying social programs on mountain climbing, as well as the conferences including session breaks for skiing challenges. Well-remembered are her impressive plenary presentations at the 10th IFAC World Congress in July 1987 in Munich on „Control challenges of space planes, stations, and platforms“ and at the 19th Symposium on Automatic Control in Aerospace in September 2013 in Würzburg on “The origin of satellite technology in Europe”. She had the ability to inspire young people for her space visions and transferred her experience as well as her fascination in the space technology programs at the Universities Stuttgart and Würzburg to motivated students.

IFAC recognizes Eveline Gottzein’s contributions with the higheste respect to scientific breakthroughs in control engineering for satellites, rockets, and magnetic levitation trains. The success of the IFAC TC on Aerospace is based on her advice and leadership for a period of more than 40 years.
# Calendar of IFAC Conferences

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<th>Title</th>
<th>Year</th>
<th>Place</th>
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<tr>
<td>8th ACDOS Conference on Advances in Control and Optimization of Dynamical Systems ACDOS 2024</td>
<td>2024</td>
<td>Delhi NCR, India</td>
<td>acods-conference.org/</td>
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<td>17th IFAC Workshop on Discrete Event Systems WODES 2024</td>
<td>2024</td>
<td>Rio de Janeiro, Brazil</td>
<td>wodes2024.eventos.ufrj.br/</td>
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<td>8th IEEE/IFAC et al. International Conference on Control, Automation and Diagnosis ICCAD 2024</td>
<td>2024</td>
<td>Paris, France</td>
<td>iccad-conf.com/</td>
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<td>3rd IFAC Workshop on Integrated Assessment Modeling for Environmental Systems IAMES 2024</td>
<td>2024</td>
<td>Savona, Italy</td>
<td>iames.unige.it/</td>
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<td>22nd IFAC Conference on Technology, Culture and International Stability TECIS 2024</td>
<td>2024</td>
<td>Waterford, Ireland</td>
<td>conferences.ifac-control.org/tecis2024</td>
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<td>12th IFAC Symposium on Fault Detection, Supervision and Safety for Technical Processes SAFEPROCESS 2024</td>
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<td>safeprocess2024.eu/</td>
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<td>7th IFAC Conference on Analysis and Control of Nonlinear Dynamics and Chaos ACNDC 2024</td>
<td>2024</td>
<td>London, United Kingdom</td>
<td>acndc2024.org/</td>
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<td>8th IFAC Workshop on Lagrangian and Hamiltonian Methods for Nonlinear Control LHMNC 2024</td>
<td>2024</td>
<td>Besançon, France</td>
<td>conferences.ifac-control.org/lhmnc24</td>
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<td>4th IFAC Conference on Advances in Proportional-Integral-Derivative Control PID 2024</td>
<td>2024</td>
<td>Almeria, Spain</td>
<td>arm.ual.es/pid2024/</td>
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<td>6th IFAC Workshop on Advanced Maintenance Engineering, Services and Technology AMEST 2024</td>
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<td>Cagliari, Italy</td>
<td>sites.unica.it/amest2024/</td>
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<td>18th IFAC Conference on Programmable Devices and Embedded Systems PDES 2024</td>
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<td>pdes-conference.eu/</td>
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<td>EUCA Conference on European Control Conference (in cooperation with IFAC) ECC 2024</td>
<td>2024</td>
<td>Stockholm, Sweden</td>
<td>ecc24.euca-ecc.org/</td>
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<tr>
<td>17th IFAC Symposium on Control of Transportation Systems CTS 2024</td>
<td>2024</td>
<td>Ayia Napa, Cyprus</td>
<td>ifacccts2024.wixsite.com/ifac-cts2024</td>
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<tr>
<td>8th IFAC Conference on Analysis and Design of Hybrid Systems ADHS 2024</td>
<td>2024</td>
<td>Boulder, CO, USA</td>
<td>colorado.edu/conference/adhs2024</td>
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<tr>
<td>Conference on American Control Conference (in cooperation with IFAC) ACC 2024</td>
<td>2024</td>
<td>Toronto, Canada</td>
<td>acc2024.a2c2.org/</td>
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<tr>
<td>12th IFAC Conference on Fractional Differentiation and its Applications ICFDA 2024</td>
<td>2024</td>
<td>Bordeaux, France</td>
<td>icfda2024.sciencesconf.org/</td>
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<tr>
<td>12th IFAC Symposium on Control of Power and Energy Systems CPES 2024</td>
<td>2024</td>
<td>Rabat, Morocco</td>
<td>cpes2024.org/</td>
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<tr>
<td>12th IFAC Symposium on Advanced Control of Chemical Processes ADCHEM 2024</td>
<td>2024</td>
<td>Toronto, Canada</td>
<td>adchem2024.org/</td>
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<tr>
<td>20th IFAC Symposium on System Identification SYSID 2024</td>
<td>2024</td>
<td>Boston, MA, USA</td>
<td>conferences.ifac-control.org/sysid2024</td>
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# Calendar of IFAC Conferences

<table>
<thead>
<tr>
<th>Title</th>
<th>Year</th>
<th>Place</th>
<th>Further Information</th>
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<tbody>
<tr>
<td>2nd IFAC Workshop on Aerospace Control Education</td>
<td>2024</td>
<td>July 22 – 24 Bertinoro (Forlì) Italy</td>
<td>wace2024.org/ <a href="mailto:info@wace2024.org">info@wace2024.org</a></td>
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<tr>
<td>26th International Symposium on Mathematical Theory of Networks and Systems (in cooperation with IFAC) MTNS 2024</td>
<td>2024</td>
<td>August 19 – 23 Cambridge United Kingdom</td>
<td>mtns2024.eng.cam.ac.uk/</td>
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<tr>
<td>8th IFAC Conference on Nonlinear Model Predictive Control NMPC 2024</td>
<td>2024</td>
<td>August 21 – 24 Kyoto Japan</td>
<td>nmpc2024.org/ <a href="mailto:secretariat@nmpc2024.org">secretariat@nmpc2024.org</a></td>
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<tr>
<td>18th IFAC Symposium on Information Control Problems in Manufacturing INCOM 2024</td>
<td>2024</td>
<td>August 28 – 30 Vienna Austria</td>
<td>incom2024.org/ <a href="mailto:incom2024@tuwien.ac.at">incom2024@tuwien.ac.at</a></td>
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<tr>
<td>15th IFAC Conference on Control Applications in Marine Systems, Robotics and Vehicles CAMS 2024</td>
<td>2024</td>
<td>September 03 – 05 Blacksburg (VA) USA</td>
<td>ifac-cams2024.org/cams2024@vt.edu</td>
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<tr>
<td>4th IFAC Conference on Modelling, Identification and Control of Nonlinear Systems MICNON 2024</td>
<td>2024</td>
<td>September 04 – 06 Lyon France</td>
<td>micnon2024.org/en <a href="mailto:contact@micon2024.org">contact@micon2024.org</a></td>
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<tr>
<td>7th IFAC Workshop on Mining, Mineral and Metal Processing MMM 2024</td>
<td>2024</td>
<td>September 04 – 06 Brisbane Australia</td>
<td>conferences.ifac-control.org/mmm2024</td>
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<tr>
<td>10th IFAC/CACHE Conference on Foundations of Systems Biology in Engineering FOSBE 2024</td>
<td>2024</td>
<td>September 08-11 Corfu Island Greece</td>
<td>fosbe2024.iceht.forth.gr <a href="mailto:fosbe2024@iceht.forth.gr">fosbe2024@iceht.forth.gr</a></td>
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<tr>
<td>12th IFAC Symposium on Biological and Medical Systems BMS 2024</td>
<td>2024</td>
<td>September 11 – 13 Villingen-Schwenningen Germany</td>
<td><a href="https://www.bms-24.org/">https://www.bms-24.org/</a> <a href="mailto:bms2024@hfu.eu">bms2024@hfu.eu</a></td>
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<td>3rd SACAC Control Conference Africa (in cooperation with IFAC) CCA 2024</td>
<td>2024</td>
<td>September 16 – 17 Balaclava Mauritius</td>
<td><a href="https://cca2024.org/">https://cca2024.org/</a> <a href="mailto:info@cca2024.org">info@cca2024.org</a></td>
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<tr>
<td>4th IFAC Workshop on Internet Based Control Education IBCE 2024</td>
<td>2024</td>
<td>September 18 – 20 Ghent Belgium</td>
<td>ibce24.ugent.be</td>
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<td>18th IFAC Workshop on Time Delay Systems TDS 2024</td>
<td>2024</td>
<td>September 24 – 27 Udine Italy</td>
<td>tds2024.uniud.it <a href="mailto:tds2024@uniud.it">tds2024@uniud.it</a></td>
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<tr>
<td>4th AACC, IFAC Conference on Modeling, Estimation and Control Conference MECC 2024</td>
<td>2024</td>
<td>October 27 – 30 Chicago (IL) USA</td>
<td>mecc2024.a2c2.org</td>
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<tr>
<td>21st INSTICC International Conference on (in cooperation with IFAC) Informatics in Control, Automation and Robotics, ICINCO 2024</td>
<td>2024</td>
<td>July 18 – 20 Porto Portugal</td>
<td><a href="https://icinco.scitevents.org">https://icinco.scitevents.org</a> <a href="mailto:icinco.secretariat@insticc.org">icinco.secretariat@insticc.org</a></td>
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<tr>
<td>5th IFAC Workshop on Cyber-Physical-Human Systems CPHS 2024</td>
<td>2024</td>
<td>December 12 – 14 Antalya Turkey</td>
<td>cphs2024.org/</td>
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<tr>
<td>13th IFAC Symposium on Nonlinear Control Systems NOLOCOS 2025</td>
<td>2025</td>
<td>July 09-11 Reykjavik Iceland</td>
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<tr>
<td>23rd IFAC World Congress WC 2026</td>
<td>2026</td>
<td>August 23 – 28 Busan Republic of Korea</td>
<td>ifac2026.org <a href="mailto:ifac2026@ifac2026.org">ifac2026@ifac2026.org</a></td>
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