



Organizer of 18 IFAC Conference
on Technology, Culture and International Stability

Уважаемый представитель Университета,

13-15 сентября 2018-го года в г. Баку при поддержке Международной Федерации по Автоматическому Управлению **IFAC** (IFAC – International Federation of Automatic Control), пройдет 18-я Международная Конференция **IFAC - TECIS** (Technology, Culture and International Stability – Технология, Культура и Международная Стабильность).

После объявления о приеме научных работ на 18 международную конференцию **TECIS**, которая отмечает в Баку свой 35-ый юбилей, от ученых из разных стран мира - Австрии, Германии, Ирландии, Греции, США, Болгарии, Румынии, Турции и др. - стали приниматься заявки для участия в мероприятии. Необходимо отметить, что в работе конференции в Баку также будет участвовать и выступать с пленарным докладом президент федерации **IFAC Франк Алгоуэр (prof. Frank Allgöwer)**.

Основная цель проведения конференции — это представить новые результаты исследований в области технологий, культур и международной стабильности и объединить ученых и специалистов в сфере промышленности и академической области для обмена идеями и опытом.

Мы приглашаем весь научный контингент Вашего Университета принять участие в работе вышеупомянутой конференции и присылать свои научные работы. Прошу уведомить все соответствующие факультеты, кафедры и отделы. Мы хотели бы получить от Вас поддержку в виде распространения информации о конференции (на сайте, доске объявлений и др.).

Сборник трудов конференции **IFAC PapersOnline Proceedings** будет опубликован международно признанной редакцией **Elsevier** с номерами **DOI** и **ISBN**, а также будет включен в международные научные базы, такие как **Scopus** и др.

За интересующей Вас информацией Вы можете посетить наш сайт (<https://tecis18.org/>), а также обратиться к нам по электронной почте.

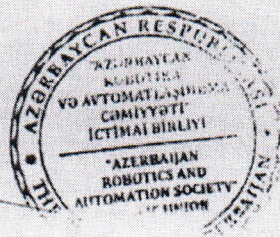
Организаторы конференции: **ARAS** (Азербайджанское Общество Робототехники и Автоматизации) и Венский Технический Университет. При поддержке Азербайджанской Национальной Академии Наук, Кабинета Министров Азербайджана и др.

Будем рады видеть Вас в наших рядах!

Доктор техники, Бахадур Ибрагимов
ARAS

(+994 50) 230 44 73

Наримановский район, ул. Алияр Алиев 52, AZ 1072, Баку, Азербайджан



Адрес: Наримановский район, ул. Алияр Алиев, 52, Баку, Азербайджан, AZ 1072

Тел: (+994 12) 564 92 95 / (+994 55) 673 36 72 / (+ 43 676) 650 13 88

E-mail: info@tecis18.org

aras.azerbaijan@gmail.com

www.tecis18.org

01.00.18/1393
02.05.18



INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL

SECOND CALL FOR PAPERS



TECIS 2018

18TH IFAC CONFERENCE ON TECHNOLOGY
CULTURE AND INTERNATIONAL STABILITY
13-15 SEPTEMBER 2018, BAKU, AZERBAIJAN

Organizers:

Azerbaijan Robotics and Automation Society (ARAS)
Vienna University of Technology, IHRT

Partners:

Ministry of Education of Azerbaijan Republic
Azerbaijan National Academy of Sciences
Ministry of Transport, Communication and High Technologies
of the Azerbaijan Republic

Sponsors:

International Federation of Automatic Control (IFAC)
IFAC TC 9.5 Technology, Culture and International Stability

Technical Co-sponsors:

IFAC TC 4.2. Mechatronic Systems
IFAC TC 4.3. Robotics
IFAC TC 5.2 Manufacturing Modelling for Management and Control
IFAC TC 7.5. Intelligent Autonomous Vehicles
IFAC TC 9.1. Economic, Business, and Financial Systems
IFAC TC 9.2 Social Impact of Automation
Federation of European Simulation Societies – EUROSIM

International Program Committee:

Abbas Alili, (AZE)	Jorge Bauer, (ARG)
Dietrich Brandt, (GER)	Felix Breiteneker, (AUT)
Nicolae Bulz, (ROM)	Peter Carew, (IRE)
Long Chen, (MACAO)	Zheng Cheng, (PRC)
Ian Craig, (RSA)	Maya Dimitrova, (BUL)
A. Talha Dinibutun, (TUR)	Alexandre Dolgui, (FRA)
Mary Doyle Kent, (IRE)	Ion Dumitrache, (ROM)
Numan DURAKBASA, (AUT)	Karamjit Gill, (UK)
Peter Groumpos, (GRE)	Chingiz Hajiyev, (TUR)
Fuad Hajiyev, (AZE)	Edmond Hajrizi, (KOS)
M. Hersh, (SCO)	Gheorghi Dimirovski, (MAC)/(TUR)
Luis Camarinha-Matos, (POR)	Navazi Ismayilov (AZE)
Naila Valiyeva (AZE)	Nargiz Safarova (AZE)

NOC Chair - Bahadur Ibrahimov, AZERBAIJAN

Norbert Jesse, GERMANY
Anita Kealy, IRELAND
Bernd Kopacek, AUSTRIA

IPC Chair - Peter Kopacek, AUSTRIA

Francoise Lamnabhi-Lagarigue, FRANCE
Bogdan Lewoc, POLAND
Vatchkov G.Lubenov, BULGARIA/AZERBAIJAN

NOC Vice Chair - Manafaddin Namazov, AZERBAIJAN

Reza Mohebbani, USA	Reinhard Neck, AUSTRIA
Mariana Netto, FRANCE	Sinead O'Neill Somers, IRELAND
John Organ, IRELAND	Wilfrid Perrugetti, FRANCE
Paul Plöger, GERMANY	Refik Samet, TURKEY
Kozeta Sevrani, ALBANIA	Nayden Shivarov, BULGARIA
Sarah Spurgeon, UK	Amy Stapleton, IRELAND

IPC Vice Chair, Industry - Larry Stapleton, IRELAND

Tejan Thakar, IRELAND/INDIA	Andon Topalov, BULGARIA
Janelle Townsend, USA	Vladimir Tsyganov, RUSSIA
Tibor Vamos, HUNGARY	Ljubisa B. Vlacic, AUSTRIA

National Organization Committee:

Bahadur Ibrahimov (AZE)	Aydin Kazimzade (AZE)
Ramiz Humbatov (AZE)	Rasim Aliyev (AZE)
Telman Aliyev (AZE)	Alexandra Rommens (AUT)
Misir Mardanov (AZE)	Julia Linert (AUT)
Fikrat Aliyev (AZE)	Florian Sengstschnid (AUT)
Ulkar Sattarova (AZE)	Georg Haemmerle (AUT)
Elmir Mehdiyev (AZE)	Manafaddin Namazov (AZE)
Abbas Alili (AZE)	Mubariz Goyushlu (AZE)

Honorary Organizing Committee:

Akif Alizadeh (AZE)	Mustafa Babanli (AZE)
Gulchohra Mammadova (AZE)	Elmar Qasimov (AZE)

Will be updated upon confirmations...

Editors:

Peter Kopacek (TU Wien/IHRT)
Bahadur Ibrahimov (ARAS)

Invitation to TECIS 2018:

It is our pleasure to invite you to participate in the TECIS 2018, which aims to bring together researchers and practitioners from industry and academia to give an overview of the state of the art, to present new research results and to exchange ideas and experiences in the fields of technology and international stability.

Meeting Scope and Objectives:

Technology development leads to dramatic changes in international stability. It has never been so important to examine system stability. Currently and during the recent years social international and national systems of control have been shown to be inadequate and prone to be fundamental and most basic instable. Many basic assumptions are no longer certain and are definitely questioned. This event will systematically examine these topics. Another goal of the TECIS conference is to propose new approaches in dealing with globalization effects, as studying complexity and knowledge management.

Topics:

The scope of the conference will cover but is not limited to:

- Control and Automation to Improve Stability
- Young Engineers in Control
- Automation and Control in Oil and Gas Industry
- Social Aspects of Oil and Gas Engineering
- Developments in Petrochemical Industry
- Development of Regions, Countries
- Social Networks
- Managing the Introduction of Technological Change to Improve Stability
- Technology in Post-conflict Regions
- Innovation Management
- Open Innovation and Applications
- Enterprise Integration and Networking, Software
- Cost Oriented Automation (COA)
- SME-oriented Automation
- Decision Support Systems for SME's
- Semi-Automated Assembly and Disassembly (EoL)
- Intelligent Systems and Applications
- Mechatronic Systems and Robotics
- Robotics and Handling Devices
- Artificial Intelligence and Applications
- Retrofitting of Automation Devices
- Engineering Ethics
- Tele-medical Systems
- Cross-cultural Aspects of Engineering (TRIZ theory, etc.)
- Control & Political Stability
- Models & Simulation
- Sustainable Design and Control
- Control of Security and Privacy
- Human aspects of safety and risk engineering
- Biomedical Systems

Authors are encouraged to submit papers, invited sessions, pre-conference workshops & tutorials, as well as exhibitions & posters from industrial companies or institutions.

Prospective authors are invited to submit papers of maximum six pages. All contributions must be formatted according to IFAC style and must be submitted via the Paper Plaza Conference Manuscript Management System. The PDF file is limited to 2MB in size. Authors are encouraged to follow IFAC guidelines for paper formatting. Please consult the TECIS 2018 website for more information.

Submitted papers at TECIS 2018 must be original and hence cannot be already published, nor can they be under review elsewhere. Prospective authors are expected to present their papers at the conference. For each accepted paper at least one of the authors should register (full registration) before uploading the final version of the paper. With full registration two papers with reduced registration fee one paper can be uploaded.

A proposal for an invited session must include titles, abstract, authors of either one survey and four regular or six regular papers, a one-page description for the special session including session outline, contact information of the proposer.

The best IFAC young author award (IFAC, YAA) will be granted to a PhD student and/or a student less than 30 years as the first author and presents the paper at TECIS 2018. Shortlisted nominees will get a travel grant.

Survey papers will be given by:

- F. Allgöwer (Stuttgart University, Germany; **IFAC President**)
- T. Duda (Emerson Automation, Switzerland)
- N. Jesse (QuinScape, Germany)
- P. Groumpos (University of Patras, Greece)
- L. Stapleton (Waterford Institute of Technology, Ireland)
- F. Aliyev (Institute of Applied Mathematics, BSU, Azerbaijan)
- T. Aliyev (Institute of Control Systems, ANAS, Azerbaijan)

Azerbaijan/Baku:

Azerbaijan, officially the Republic of Azerbaijan is the largest country in the Caucasus region of Eurasia. Located at the crossroads of Western Asia and Eastern Europe. Baku is the capital and largest city of Azerbaijan, as well as the largest city on the Caspian Sea and of the Caucasus region. Baku is located 28 metres (92 ft) below sea level, which makes it the lowest lying national capital in the world. It is located on the southern shore of the Absheron Peninsula, alongside the Bay of Baku.



Old City and Flame Towers

The city is the scientific, cultural and industrial center of Azerbaijan. Baku is rich on historical monuments as well as hypermodern buildings and lots of leisure activities for fair prices.

During the event technical and cultural visits will be scheduled, e.g. temple of fire, Heydar Aliyev Culture Centre, Old town

center, Sumgayit Technology Park, swimming oil fields – Oil Rocks, Jumeirah Beach, Sumgayit city and others.

Baku is in the middle of Europe and Asia, on the ancient Silkway, easy accessible from both continents with railways and direct flights from most capitals worldwide, or low-cost flights through Istanbul, Kiew, Moscow and a lot more destinations.

Paper submission:

"All publication material submitted for presentation at an IFAC-sponsored meeting (Congress, Symposium, Conference, Workshop) must be original and hence cannot be already published, nor can it be under review elsewhere. The authors take responsibility for the material that has been submitted. IFAC-sponsored conferences will abide by the highest standard of ethical behaviour in the review process as explained on the Elsevier webpage (<http://www.elsevier.com/journal-authors/author-rights-and-responsibilities>), and the authors will abide by the IFAC publication ethics guidelines (<http://www.ifac-control.org/events/organizersguide/PublicationEthicsGuidelines.pdf/view>).

Accepted papers that have been presented at an IFAC meeting will be published in the proceedings of the event using the open-access IFAC-PapersOnLine series hosted on ScienceDirect (<http://www.sciencedirect.com>). To this end, the author(s) must confer the copyright to IFAC when they submit the final version of the paper through the paper submission process. The author(s) retain the right to use a copy of the paper for personal use, internal institutional use at the author(s)' institution, or scholarly posting at an open web site operated by the author(s) or their institution, limited to noncommercial use. Any other use of the paper requires approval by IFAC."

Important Dates:

Proposals for invited sessions	15.05.2018
Draft papers submission deadline	31.05.2018
Notification of acceptance	15.07.2018
Early registration deadline	01.08.2018
Full paper submission	15.08.2018
Preconference activities	12.09.2018
Conference dates	13.-15.09.2018
Post Conference activities	16.09.2018

Registration fees:

	Early	Late	On site
Regular	€ 200.--	€ 250.--	€ 300.--
Student/retired	€ 50.--	€ 50.--	€ 70.--

* Registration fee includes conference pack, attendance to all sessions, lunch, coffee breaks, technical and cultural tours, visa invitation letter and transfers. An accompanying person is 50 Euros to pay to get the services mentioned.

Information:

www.tecis18.org; info@tecis18.org

Conference Sponsors:

International Federation of Automatic Control (IFAC)
State Oil Company of Azerbaijan Republic (SOCAR)
PASHA TRAVEL

Conference co-partners:

Azerbaijan Technical University
Baku Engineering University
Baku State University
Baku Higher Oil School
ADA University

Contacts:

B. Ibrahimov
ARAS, 52 Aliyar Aliyev str., AZ1072, Baku
Phone: +994505744455
Email: aras.azerbaijan@gmail.com

P. Kopacek
TU Wien, Favoritenstrasse 9, E325A6, 1040 Wien.
Phone: +431 5880131800; Fax: +431 5880131899
Email: kopacek@ihrt.tuwien.ac.at