**SECOND CALL FOR PAPERS**

**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:**

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**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.

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/PublicationEthicsGuideline s.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

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**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](http://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 State University

Baku Engineering University Baku Higher Oil School

ADA University

**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

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