

Call for Contributions

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICAS+2021+Special>

Please select Track Preference as **SFC**

3. Note: *For 2021, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

SFC: Smart Feedback Control

Chair and Coordinator

Prof., Dr. of Sci. Vadim Zhmud, Head of the Department of Automation, Novosibirsk State Technical University, Novosibirsk, Russia
oa_nips@bk.ru

along with

ICAS 2021, The Seventeenth International Conference on Autonomic and Autonomous Systems

<https://www.iaria.org/conferences2021/ICAS21.html>

May 30/June 3, 2021 Valencia, Spain

In this special track, we invite articles that report original and useful results in the design of automatic control systems using regulators (controllers) that have signs of "smart" in terms of using new methods of their design or achieving new control goals.

Approaches using original structures or original design methods, or with the achievement of several goals, for example, improving the quality of control while achieving energy saving, ensuring robust or adaptive control, multichannel control, and so on, are welcome.

Contributions corresponding to more than one thematic subsection are especially welcome.

Topics include, but not limited to:

- Smart Feedback Controllers / Regulators
- Structure Design of Controllers / Regulators
- Parametric Design of Controllers / Regulators
- Numerical Modelling / Simulation of Feedback Systems
- Numerical Optimization of Controllers / Regulators
- Design of Self-Tuning / Adaptive Regulators / Controllers / Systems
- Robust Control
- Multichannel / MIMO Regulators / Controllers / Systems
- Neuron Net Control
- Fuzzy Control
- Realization and Testing of Regulators / Controllers / Systems
- Smart Sensors for Feedback Control System
- ADC and DAC in Feedback Control System
- Power Saving Systems

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]

- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Important Datelines

Inform the Chair or Coordinator: As soon as you decide to contribute

Submission: April 16, 2021

Notification: May 3, 2021

Registration: May 13, 2021

Camera ready: May 13, 2021

Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format

- See: <http://www.iaia.org/format.html>

- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>

- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>

- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=ICAS+2021+Special>

Please select Track Preference as **SFC**

Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.

- Registration fees are available at <http://www.iaia.org/registration.html>

Contact

Chair - Vadim Zhmud: oao_nips@bk.ru

Logistics: steve@iaia.org