10th IFAC Symposium on
**Fault Detection, Supervision
and Safety for Technical Processes, SAFEPROCESS 2018**

safeprocess18

29-31 August 2018
Warsaw, Poland

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Important dates

Proposals for invited sessions: *23 October 2017*
Submission of draft papers: ~~*6 November 2017,*~~
~~*27 November 2017,*~~ NEW DATE: *4 December 2017*
Notification of acceptance: *30 March 2018*
Submission of final papers: *30 May 2018*
Early registration: *30 May 2018*
Symposium: *29-31 August 2018*

Fees

Early full registration: *480 EUR*
(before 30 May 2018)
Late full registration: *680 EUR*
(after 30 May 2018)
Early student registration: *280 EUR*
(before 30 May 2018)
Late student registration*: 390 EUR*
(after 30 May 2018)

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Scope

The *SAFEPROCESS* symposium is a triennial meeting of IFAC and a major international gathering of leading experts in the academia and industry from all over the world. It aims at strengthening the contact between the academia and industry to build up new networks and cultivate existing relations. High-level speakers will give talks on a wide spectrum of topics related to fault diagnosis, process supervision, safety monitoring and fault-tolerant control as well as state-of-the-art applications and emerging research directions. The symposium is also meant as a forum for young researchers, with the opportunity to present their scientific ambitions and work to an audience of international communities of technical diagnostics and control.

Research areas

- Model-based diagnosis
- Data-driven diagnosis methods
- Process supervision
- Active fault diagnosis methods
- Condition monitoring, maintenance engineering
- Safety and security of cyber-physical systems
- Fault-tolerant control, control reconfiguration
- Diagnosis and FTC of discrete-event systems
- Structural methods of fault diagnosis and FTC
- Statistical methods for fault diagnosis
- Soft computing methods for fault diagnosis
- Safety-critical systems
- Structural health monitoring

Application areas

- Aeronautics and aerospace systems
- Automotive applications
- Electrical, mechanical and mechatronic systems
- Chemical systems
- Mining, minerals, metal applications
- Networked systems
- Process engineering applications
- Biosystems
- Production systems
- Marine systems
- Power systems and networks
- Robotics

Paper submission

Papers have to be submitted electronically via PaperPlaza, IFAC's Conference Submission and Review Management System, available at ifac.papercept.net. The conference manuscript must meet IFAC's requirements in order to achieve the suitable layout and manuscripts properties. For detailed instructions, please visit safeprocess18.uz.zgora.pl/for-authors/manuscript-requirements.

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Awards

The *Paul M. Frank Award* and the *IFAC Young Author Award* will be granted at *SAFEPROCESS 2018*. For details, please visit safeprocess18.uz.zgora.pl/awards.

Invited speakers
Plenary
Prof. Gautam Biswas – Vanderbilt University, Nashville, USA
Prof. Mattias Nyberg – KTH Royal Institute of Technology, Stockholm, Sweden
Dr. Hong Wang – Pacific Northwest National Laboratory, Richland, USA

Semi-plenary
Prof. Christopher Edwards – University of Exeter, UK
Prof. Gang Niu – Tongji University, China
Prof. Marios M. Polycarpou – University of Cyprus, Nicosia, Cyprus
Dr. Lothar Seybold – RAFI GmbH, Berg, Germany
Prof. Marcin Witczak – University of Zielona Góra, Poland
Prof. Ali Zolghadri – University of Bordeaux, France

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