14TH INTERNATIONAL CONFERENCE ON DIAGNOSTICS OF PROCESSES AND SYSTEMS

21-23 SEPTEMBER 2020, ZIELONA GORA, POLAND

Call for papers

http://www.dps2020.uz.zgora.pl

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IMPORTANT DATES

10 page papers
Submission deadline — 15 March 2020
Accept/reject notification — 26 April 2020
Final submission — 10 May 2020
1 page papers (abstracts)
Submission deadline — 31 May 2020
Accept/reject notification — 21 June 2020
Final submission — 28 June 2020

CONTACT

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In the year 2020 the **14th International Conference on *Diagnostics of Processes and Systems (DPS)*** will be held in Zielona Góra, Poland, on 21-23 September. The conference will be hosted by the University of Zielona Góra.

Conference

The International Conference on *Diagnostics of Processes and Systems (DPS)* has been organized every two years since 1996 by the Warsaw University of Technology, the University of Zielona Góra and the Gdańsk University of Technology.

The conference is an excellent forum for the exchange of knowledge and experience among professionals representing various scientific backgrounds (automatic control, information technology, as well as mechanical, electrical and biomedical engineering) in the field of diagnostics and fault tolerant control.

A significant objective of the conference is the integration of academic society with industry engineers involved in the problems of diagnostics, supervision and safety of industrial processes and systems.

In general, conference topics correspond to the subject area of the IFAC Symposium on *Fault Detection, Supervision and Safety for Technical Processes (SAFEPROCESS)*.

The conference is also meant as a forum for young researchers, with an opportunity to present their scientific ambitions and work to an audience of the diagnostics and control community.

Research areas

- Fault detection, isolation and identification
  - analytical and qualitative models
  - identification and state estimation
  - fault modelling and simulation
  - statistical methods and signal analysis
  - soft computing: fuzzy logic, neural networks
- Process safety and reliability
  - supervision and diagnostic systems
  - safety and cybersecurity of industrial processes and systems
- Fault-tolerant control systems
  - control reconfiguration
  - fault recovery and accommodation
  - integrated control and fault diagnosis
- Industrial applications
  - electrical and mechanical systems
  - robotics and mechatronics
  - aeronautics and aerospace systems
  - power systems and networks
  - automotive engineering
  - process engineering application
- Medical systems and diagnostics
  - computer-aided diagnosis
  - medical image analysis
  - health monitoring and telemedicine.

Original, high quality papers will be thoroughly reviewed by the International Program Committee members and published in conference proceedings within the Springer Verlag *Lecture Notes* series. They will also be submitted for indexing by the Web of Science. A separate book of abstracts will be available at the conference.

Paper submission

Papers have to be submitted electronically via *EasyChair,* a conference management system available at https://easychair.org. The conference manuscript must meet Springer's requirements in order to achieve a suitable layout and properties. Initial submissions have to be in a full paper format up to 10 pages. Detailed instructions can be found at https://www.springer.com/us/authors-editors/conference-proceedings/conference-proceedings-guidelines.

Selected papers will be recommended for journal special issues/sections: *International Journal of Applied Mathematics and Computer Science* (IF 1.504) and *Archives of Control Sciences* (IF 1.559).

Fees*

- Full registration with one paper published in indexed proceedings — 320 €
- Full registration with abstract(s) published in abstract books — 270 €
- Full registration for accompanying persons — 150 €

* The fees indicated are valid until 10 May 2020 or 28 June 2020, and will be 25% higher past these dates.

Committee on Automatic Control and Robotics Polish Academy of Sciences

University of Zielona Góra

Lubuskie Scientific Society in Zielona Góra