

AIM & SCOPE

The PDES conference provides an international forum for researchers, engineers and industry experts to present and discuss recent advances in programmable devices, embedded systems and their applications.

The scope includes theory, design, implementation and real-world applications, with an emphasis on the interaction between hardware, software and control, as well as emerging trends and challenges in modern embedded and cyber-physical systems.

“Connecting research, industry and education for intelligent embedded systems.”

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IDEAS
TECHNOLOGIES
REAL IMPACT

CONFERENCE TOPICS

- 1 Programmable Devices and Embedded Hardware Architectures
- 2 Embedded Systems Design and Real-Time Implementation
- 3 Industrial Programmable Control Systems
- 4 Control Systems and Control Theory in Embedded Applications
- 5 Signal Processing and Control for Embedded and Biomedical Systems
- 6 Communication and Networking for Embedded Systems
- 7 Reliability, Safety and Cybersecurity of Embedded Systems
- 8 Embedded Systems for Energy and Power Applications
- 9 Embedded Systems in Industrial and Critical Applications
- 10 Education in Embedded and Programmable Control Systems



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INNOVATION

COLLABORATION

SUSTAINABLE FUTURE

SUBMISSION & PUBLICATION

Authors are invited to submit original, unpublished papers in English through the conference website. All submissions will be peer-reviewed by at least two independent reviewers. 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 (<https://sciencedirect.com/>).



Detailed author guidelines, templates and submission system are available at:

www.pdes-conference.eu

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A BRIGHTER
TOMORROW

Organized by

VŠB – Technical University of Ostrava
Faculty of Electrical Engineering
and Computer Science
Department of Cybernetics
and Biomedical Engineering
Ostrava, Czech Republic

Co-organized by

Brno University of Technology
Faculty of Electrical Engineering
and Communication
Department of Control and Instrumentation
Brno, Czech Republic

Conference Secretariat

✉ pdes2027@vsb.cz

📍 17. listopadu 15
708 00 Ostrava-Poruba
Czech Republic

**TECHNOLOGY
FOR A SMARTER TOMORROW**

IMPORTANT DATES

- **January 1st, 2027**
Draft Papers Submissions
- **March 1st, 2027**
Acceptance/Rejection Papers
- **April 1st, 2027**
Camera-ready Papers, Binding Registration
- **May 19th–21st, 2027**
Conference will be held



INTERNATIONAL PROGRAM COMMITTEE

Radek Martinek (Czech Republic, IPC chair)
Zdenek Bradac (Czech Republic, IPC vice-chair)
Petr Zmij (Czech Republic, IPC chair from industry)



More information at
www.pdes-conference.eu



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19TH IFAC CONFERENCE

PDES 2027

Programmable Devices and Embedded Systems

19–21 May 2027 | Ostrava, Czech Republic
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