



**ACD**  
advanced control & diagnosis 2015

## 12th European Workshop on Advanced Control and Diagnosis

November 19-20, Pilsen, Czech Republic

### Invitation

The Organizing Committee is pleased to invite you to the city of Pilsen to attend the 12th European Workshop on Advanced Control and Diagnosis (ACD 2015). The workshop will be held at the European Centre of Excellence - NTIS, Faculty of Applied Sciences, University of West Bohemia (UWB), Pilsen, Czech Republic.

### Scope

The annual European Workshop on Advanced Control and Diagnosis has been organized since 2003 in various European cities to bring together academics and engineers from diverse fields of automatic control, fault detection, and signal processing. The workshop offers a great opportunity for senior and junior researchers and developers, from both academia and industry, to share recent advancement in theory and practice.

### Paper submissions

Prospective authors are invited to submit contributions electronically through the workshop website <http://acd2015.zcu.cz>. All submitted papers will be peer-reviewed and all the accepted papers will be published in the IOP Journal of Physics: Conference Series.

To this end, the authors are assumed to accept the terms of the IOP Proceeding Publication License to be found at <http://conferenceseries.iop.org>.

### Relevant topics for the workshop program

- Adaptive control
- Predictive control
- Robust control
- Optimal control
- Networked control systems
- Reliability, safety, and maintenance
- Fault detection and isolation
- Fault-tolerant control
- Signal processing
- System identification
- Image processing
- Nonlinear filtering
- State estimation
- Pattern recognition
- Computational intelligence

### Plenary talks

Speaker: **Robert Babuška** (DCSC, Delft Univ. of Tech., The Netherlands)  
Title: Learning Control in Robotics

Speaker: **Fredrik Gustafsson** (Dept. of El. Eng., Linköping Univ., Sweden)  
Title: Automotive Sensor Mining with Application to Tire Pressure Monitoring

Speaker: **Vladimír Havlena** (Honeywell ACS Global Lab. Prague, The Czech Republic)  
Title: Advanced Process Control for Energy Efficiency

Speaker: **Silvio Simani** (Dept. of Eng., Univ. of Ferrara, Italy)  
Title: Advanced Issues on Wind Turbine Modelling and Control

### General Chair

Ondřej Straka (CZ)

### Local Organising Committee

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### International Programme Co-Chairs

Jindřich Duník (CZ)

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### Important deadlines

**Invited session proposal deadline**  
July 31, 2015

**Paper submission deadline**  
September 14, 2015

**Final paper submission deadline**  
October 31, 2015

