

# PROGRAM

## Diagnosics of Processes and Systems, DPS 2007

Słubice, 10-12 September 2007

### SUNDAY, 9 September 2007

15.00 – 19.00	Registration
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### MONDAY, 10 September 2007

8.00 – 8.30	Breakfast	
8.45 – 9.00	Opening ceremony	
9.00 – 9.45	<i>Plenary session</i> New diagnostics perspectives connected with a concept of automatic patterns understanding <i>Ryszard Tadeusiewicz, Marek R. Ogiela</i>	
9.45 – 11.45	Automatic reasoning and decision making systems	Pattern processing and analysis
11.45 – 12.00	Coffee/tea break	
12.00 – 14.00	Modelling and identification	Computational intelligence methods
14.00 – 15.00	Lunch	
15.00 – 15.45	<i>Plenary session</i> Fault oriented decomposition of symptom observation matrix with grey forecasting in vibration condition monitoring of machines <i>Czesław Cempel</i>	
15.45 – 16.00	Coffee/tea break	
16.00 – 17.00	Industrial applications I	Industrial applications II
17.15 – 18.30	Occasional session – 15 <sup>th</sup> anniversary of the Institute of Control and Computation Engineering	
19.00	Open-air dinner	

### TUESDAY, 11 September 2007

8.00 – 8.30	Breakfast	
9.00 – 9.45	<i>Plenary session</i> Active fault-tolerant control systems: integration of fault diagnosis and reconfigurable control <i>Youmin Zhang</i>	

9.45 – 11.45	Fault-tolerant control	Diagnostics of technical processes I
11.45 – 12.00	Coffee/tea break	
12.00 – 14.00	Analytical methods	Diagnostics of technical processes II
14.00 – 15.00	Lunch	
15.00 – 15.45	<i>Plenary session</i> Fault diagnosis & fault tolerant control of networked control systems <i>Dominique Sauter, Christophe Aubrun, Shanbin Li</i>	
15.45 – 16.00	Coffee/tea break	
16.00 – 18.00	Diagnostics systems	Industrial applications III
19.00	Social meeting	

### WEDNESDAY, 12 September 2007

8.00 – 8.30	Breakfast	
9.00 – 9.45	<i>Semi-plenary session</i> Gathering diagnostics patterns in computer-based analysis of the device efficiency <i>Jan Tadeusz Duda</i>  Application of computer science in medical diagnostics <i>Robert Rudowski, Marcin Grabowski, Łukasz Kownacki, Dorota Piotrowska-Kownacka</i>	
9.45 – 11.45	Principal component analysis	Industrial applications IV
11.45 – 12.00	Coffee/tea break	
12.00 – 14.00	Medical applications	Industrial applications V
14.00	Closing ceremony	
14.15	Lunch	