



7th Workshop on Advanced Control and Diagnosis

# ACD 2009

## Best Paper Awards

During the ACD'09 workshop, two awards were granted to junior scientists (less than 35 years of age): *Best Theoretical Paper* (funded by the Dean of the Faculty of Electrical Engineering, Computer Science and Telecommunications of the University of Zielona Góra) and *Best Application Paper* (funded by the President of LUMEL SA). The finalists included:

### Best Theoretical Paper

#### WINNER

*Disturbance compensation for eliminating the bullwhip effect in periodic-review inventory systems with a single supplier*

**Przemysław Ignaciuk** and Andrzej Bartoszewicz - POLAND, Technical University of Łódź

*Integrated design of observer based fault detection for a class of uncertain nonlinear systems with Lipschitz nonlinearities*

**Wei Chen**, A.Q. Khan, M. Abid and S.X. Ding - GERMANY, University of Duisburg-Essen

*Mean-attracted particle filter in fault detection*

**Michał Zajac** and Dariusz Uciński - POLAND, University of Zielona Góra

### Best Application Paper

#### WINNER

*Comparison and evaluation of power management approaches applied to a fuel cell-based hybrid HiL powertrain*

**Matthias Marx**, Markus Özbek and Dirk Söffker - GERMANY, University of Duisburg-Essen

*Clustering techniques applied to multiple-models structures*

**P. M. Silva**, V. M. Becerra and J. M. F. Calado - PORTUGAL & UK, Sandometal Metalomecanica e Ar Condicionado S.A., Alverca//  
University of Reading//IDMEC/ISEL, Lisboa

*A new model-free method performing closed-loop fault diagnosis for an aeronautical system*

**Julien Marzat**, H el ene Piet-Lahanier, Fr ed eric Damongeot and Eric Walter - FRANCE, Office National d'Etudes et de Recherches A erospatiales (ONERA)// CNRS-SUPELEC-Univ Paris-Sud

Congratulations to the winners and all outstanding nominees!

# Best Theoretical Paper Award

7th Workshop on Advanced Control and Diagnosis

presented to

PRZEMYSŁAW IGNACIUK

and funded by

the Dean of the Faculty of Electrical Engineering, Computer Science  
and Telecommunications of the University of Zielona Góra, Poland



Prof. Józef Korbicz  
IPC Chairman



Prof. Andrzej Pieczyński  
Dean



# Best Application Paper Award

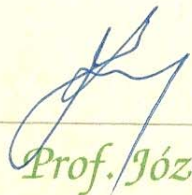
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MATTHIAS MARX

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Prof. Józef Korbicz  
IPC Chairman



Wiesław Ocytko, M.Sc.  
President