

# Preface

This is with a great pleasure that I edit these three volumes 17, 18 and 19 of the International Journal of Computing Anticipatory Systems, partial proceedings of CASYS'05, the Seventh International Conference CASYS'05 on Computing Anticipatory Systems, Liège, Belgium, August 8-13, 2005.

This conference was organised, as the preceding ones, by our non-profit association (ASBL) CHAOS, Centre for Hyperincursion and Anticipation in Ordered Systems, Institute of Mathematics of the University of Liège. ASBL CHAOS is member of the IFSR, International Federation for Systems Research (Austria).

The Professor Dr Mitchell Jay Feigenbaum received, during the CASYS'05 conference, the CHAOS AWARD, with a Crystal Eagle Owl of Val Saint-Lambert, for his outstanding scientific works on "Universal Constants in Chaos".

For this CASYS'05 conference, 307 authors and co-authors, coming from 43 countries, submitted 174 papers. The invited and accepted papers were presented in 10 symposia, held in 4 parallel session rooms at HEC Management School – University of Liege. All these authors are thanked for their collaboration to the success of this conference and for their high level scientific contributions.

These CASYS volumes deal with 80 invited and accepted papers, organized as follows:

**Volume 17:**

- Physical Systems, Quantum Mechanics and Relativity
- Mathematical Modelling, Dynamical Systems and Control
- Systems Science, Anticipation, Incursion and Hyperincursion

**Volume 18:**

- Computing Systems, Simulation and Information Networks
- Soft Computing, Fuzzy Systems and Neural Networks
- Cognition, Psychology, Disease and Medical Systems

**Volume 19:**

- Operations Research and Risk Management Models
- Engineering Systems, Optimization and Simulation
- Vigier Session, organized by Richard Amoroso (USA)
- 5th BCSCMsG International Symposium, organised by Peter Marcer (France)

The American Institute of Physics published the other 56 selected papers in Computing Anticipatory Systems, edited by D. M. Dubois, AIP Conference Proceedings # 839, 2006.

The members of the International Program and Scientific Committees are thanked for their collaboration and their role as referees in the review process of all the papers:

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It was with a deep emotion that we learned that Professor Zdzislaw Bubnicki, Member of the International Scientific Committee, passed away on 12 March 2006.



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Professor Zdzislaw Bubnicki at CASYS'05

He was a truly great scientist and a very good friend. His presence among us was very inspiring and will leave us with an unforgettable memory.

Daniel M. Dubois,  
Director of asbl CHAOS,  
President of CASYS.