Preface

This is with a great pleasure that I edit these three volumes 14, 15 and 16 of CASYS, the International Journal of Computing Anticipatory Systems, dealing with 74 invited papers presented at the Sixth International Conference CASYS'03 on Computing Anticipatory Systems, Liège, Belgium, August 11-16, 2003. The American Institute of Physics published the other 53 selected invited papers in AIP Conference Proceedings # 718, 2004.

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.

The topics of these three volumes are organized as follows:

Volume 14:
- Anticipatory Systems and Cybernetics;
- Soft Computing and Computational Intelligence;
- Computer Science and Simulation Models.

Volume 15:
- Dynamic, Stochastic and Statistical Models;
- Economic Models, Social Systems and Management;
- Engineering Systems, Control and Learning.

Volume 16:
- Real, Imaginary, Symbolic;
- Theoretical Physics, Quantum Mechanics and Relativity;
- The Universe, the Nothing that is !

I would like to thank also the Belgian Sponsors, and more especially the Fonds National de la Recherche Scientifique for its grant in the practical organisation of this conference. The International Sponsorships are also thanked for their support.

Last but not least, Professor Dr Robert Vallée (France) is thanked for having given his time as Vice-President of CASYS'03.

This CASYS'03 conference was organised, as the preceding ones, by our non-profit association CHAOS, Centre for Hyperincursion and Anticipation in Ordered Systems, Institute of Mathematics of the University of Liège. CHAOS asbl is member of the IFSR, International Federation for Systems Research (Austria).

During a whole week of this CASYS'03 conference, the 320 authors and co-authors, coming from 45 countries, presented 154 papers in 10 symposiums distributed in 4 parallel sessions. All these authors are thanked for their collaboration to the success of this conference and for their high level scientific contributions.

The participants have had the great privilege to hear the invited talk of the Professor Dr Otto E. Rössler (Germany), Invited Speaker, on "Nonlinear Dynamics, Artificial Cognition and Galactic Export". The full paper of his talk is published in the AIP CP#718.

Professor Otto E. Rössler received, during the CASYS'03 conference, the CHAOS AWARD, with a Crystal Eagle Owl of Val Saint-Lambert, for his outstanding scientific works on "Chaos Theory". He is the famous discover of the well-known "Rössler attractor" in chaos theory. But his centres of interest are beyond the chaos theory, as his paper showed. This was a real pleasure to welcome him at Liège and the participants were proud to meet and discuss with a so kind and intelligent scientist.

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