

# Preface

This Third International Conference CASYS'99 on Computing Anticipatory Systems, held at the Business School HEC at Liège, Belgium, August 9-14, 1999, was organised by the non-profit association CHAOS, Centre for Hyperincursion and Anticipation in Ordered Systems, Institute of Mathematics of the University of Liège.

The Board of Administrators of asbl CHAOS bestowed, this year, the CHAOS AWARD, with a Crystal Eagle owl of Val Saint-Lambert, on Dr Edgar Dean Mitchell (USA) for his outstanding scientific works on Noetic Sciences.

As President of CASYS'99, I would like to thank the Vice-President, Stig C. Holmberg (Sweden), for his unceasing support during the conference

CASYS'99 was a total scientific success during the whole week. Indeed the number of papers presented this year was greater than the two preceding years. So, the proceedings are published in 4 volumes: AIP Conference Proceedings 517, and Volumes 5, 6 and 7 of the International Journal of Computing Anticipatory Systems.

All these papers were reviewed. All the authors are thanked for the high quality of their papers, which contain many novelties. The 21 referees are also thanked for their precious collaboration for the review process.

This volume 5 of the International Journal of Computing Anticipatory Systems contains invited papers presented at CASYS'99 and accepted papers in the fields of

- Relativist and Non-linear Physical Systems
- Biological, Ecological and Autonomous Systems
- Anticipatory Business and Economics

The next 6 and 7 volumes deal with the following topics: Logical, Categorical and Computational Systems; Knowledge and Data Processing; Mathematical and Engineering Systems; Fuzzy Systems, Genetic and Neural Algorithms; Quantum Neural Information Processing : New Technology ? New Biology ?

On Wednesday August 11, 1999, all the participants of CASYS'99 made an excursion to the South of Belgium at the Castle of Godefroy de Bouillon to see the eclipse of the moon by the earth. Invited by the city Authorities to sign the Golden Book, Edgar Mitchell was inthroned Chivalry Honoris Causa of the Confraternity of the Godefroy Bier. In coming back to Liège, we were invited at the Euro Space Center, at Redu, Belgium, where Edgar Mitchell tested some astronaut engines that he practiced at the time he was Pilot of the Lunar Module of the Lunar Mission Apollo 14, Sixth Man to Walk on the Moon, 1971.

The next CASYS'2000, Liège, August 7-12, 2000, will open a new millennium for computing anticipatory systems science.

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