



KEYNOTE speakers

2010 MODELING, SIMULATION, & VISUALIZATION

Plenary Guest Speaker • 8:40 - 9:10 am • • • • • • • • • •

Dr. Agostino G. Bruzzone | University of Genoa, Italy



Agostino G. Bruzzone began his engineering studies at the Italian Naval Academy with the Faculty of Pisa in 1984. After successfully completing this phase, he transferred to the University of Genoa where he earned his doctorate in Mechanical Engineering.

Since 1991, he has taught "Theories and Techniques of Automatic Control" and in 1992 he has become a member of the industrial simulation work group at the ITIM University of Genoa. Dr. Bruzzone has extensively utilized simulation techniques in harbor terminals, maritime trading and sailboat racing sectors. He worked on research projects involving innovative modeling, AI techniques and DOE (Design of Experiments); particular attention was focused on the application of Neural Networks, GAs and Fuzzy Logic to industrial plant problems using Simulation and Chaos Theory.

Dr. Bruzzone has been actively involved in the scientific community for several years and served as Director of the McLeod Institute of Simulation Science (MISS), Associate Vice-President and Member of the Board of the SCS (Society for Modelling & Simulation International), President of the Liophant Simulation, Vice President of MIMOS (Movimento Italiano di Simulazione), Vice Director of M&S Net, Industrial Relation Chair in SCS Europe, Italian Point of Contact for the ISAG (International Simulation Advisory Group) and Sim-Serv. In addition, Dr. Bruzzone has written more than 150 scientific papers as well as technical and professional reports in partnerships with major companies (i.e. IBM, Fiat Group, Contship, Solvay) and agencies (i.e. Italian Navy, NASA, National Center for Simulation, US Army).

Dr. Bruzzone is presently Director of the Technical Council of "SIMulation applications in Management, Planning & forEcaSTing" for the Society of Computer Simulation International. He is MISS DIPTeM Genoa Director for the McLeod Institute of Simulation Science (an Institution with over 28 Centers distributed worldwide: Brazil, China, USA, UK, Italy, France, Germany, Canada, Spain etc.). He is founder member and president of the Liophant Simulation. He is also a member of Who's Who, IEEE, IASTED, ANIMP, SCS, MIMOS, etc.

Agostino G. Bruzzone currently works in the Department of Industrial Production, Thermoenergy, Engineering and Mathematical Modelling (DIPTeM) at the University of Genoa as a Full Professor. He is active in the field of simulator-based applications for industrial plants, developing new methodologies and intelligent system integration techniques. As director of the Master Program in Industrial Plants for Genoa University, his courses include Project Management and Industrial Logistics, Management Engineering, Logistics & Production Engineering, Modelling & Simulation, and M&S for Biomedical Systems.