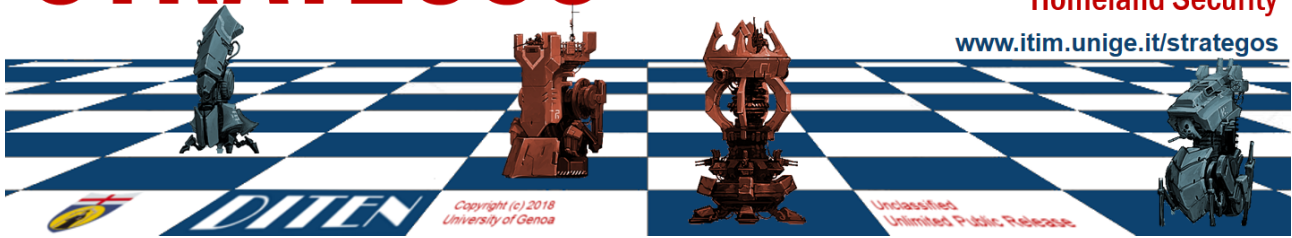


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*Master of Science on Engineering Technology for Strategy and Security,
Modelling, Simulation, Data Analysis, AI/IA for Strategies on Operations and Systems*

Name **Agostino G. Bruzzone**

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

Since early '90, he has taught "Theories and Techniques of Automatic Control" and in 1992 he became member of the industrial simulation work group at the ITIM University of Genoa.

Currently he is Full Professor in DIME, University of Genoa.

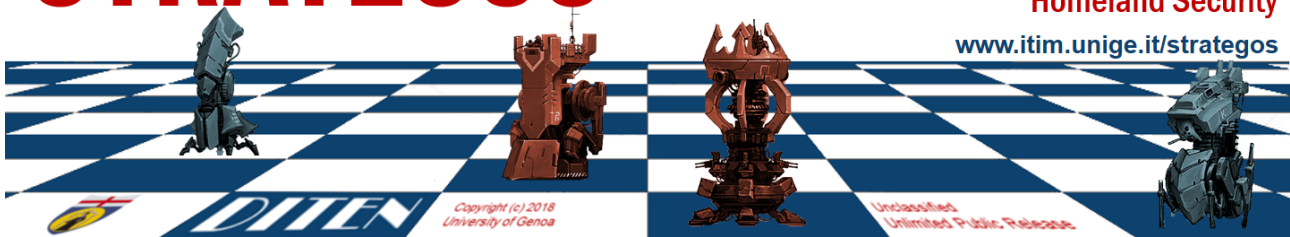
He has utilized extensively innovative technologies & simulation in logistics, industrial plants, project management, business, defense, homeland security, autonomous systems, robotics, crisis management, harbors, port terminals, marine domain and sailboat racing sector.

He works on Research & Development (R&D) Projects involving innovative Modeling, Interoperable Simulation, AI (Artificial Intelligence), Chaos Theory, IA (Intelligent Agents), DOE (Design of Experiments), Serious Games, Virtual & Augmented Reality (VR & AR); particular attention was focused on the application of Neural Networks, GAs, KBS and Fuzzy Logic to industrial plant problems combining the use of Modeling and Simulation.

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He has been actively involved in the Scientific Community from several years and served as General Director of the McLeod Institute of Simulation Science (MISS), Associate Vice-President, Executive Vice President and Member of the Board of the SCS (Society for Modelling & Simulation International), President of the Liophant Simulation, President of Simulation Team VicePresident and Member of the Board of MIMOS (Movimento Italiano di Simulazione), General Director and 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.

He acquired extensive experience as a member of International Technical and Organization Committees (i.e. AI Application of IASTED, AI Conference, ESS, ESM, AMS, etc.) and as a General Coordinator of Scientific Initiatives (i.e. General Chair of "Simulation in Industry Conference", "Summer Computer Simulation Conference", "International Mediterranean Modelling Multiconference", International Workshop on Applied Modeling & Simulation and "Web Based Simulation Conference", Program Chair of the "Workshop in Harbor and Logistics Modeling", Guest Editor for several special issues of Int.Journals (e.g. "Special Issue of Harbor and Maritime Simulation" and "Supply Chain Simulation"), Member of the Editorial Board of Simulation, Program Chair of "Engineering Application" in WCSS and Track Chair for Manufacturing in SCSC, etc.).

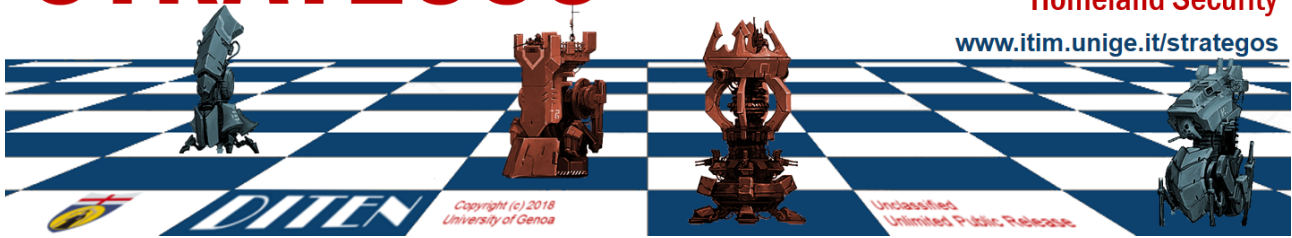
He has written more than 250 scientific papers in International Journals and Conferences, in addition to books, technical/professional reports in partnerships with major companies (e.g. IBM, ENI, Contship, Solvay, CSC, Ford) and agencies (e.g. NASA, European Defence Agency, NATO, National Center for Simulation, Italian MoD, Italian Navy, US Army, DGA).

As example, just during 2000, he was involved in different Projects as Project Manager or Scientific Responsible such as: FLODAF (Fuzzy Logic Data Fusion Italian Navy), MASC (Modeling & Analysis for Satisfaction of Customers, COOP), DICOSAP (DIPTTEM/COOP ERP Support & Applied Planning), LEM (Logistics Educational Module, Ford Motor Co., Boston College, Liophant Simulation Club), HLA University Outreach Program (DoD, Defense Modeling & Simulation Office, McLeod Institutes of Simulation Sciences), PUMA (Project for Ultimate Maintenance, Ansaldo Energia), WILD (Web Integrated Logistics Designer, MURST, Milan & Bari Polytechnic, Firenze/Napoli/L'Aquila/Salerno University, Piaggio Aero Industries, Salver, Plyform, SirioPanel, OMA, Geven, Magnaghi). In the same year he was involved, as international expert, in the development of NATO project NIAG SG60 (Simulation Based Design and Virtual Prototyping, NATO).

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Agostino Bruzzone is in charge as Director of the Technical Council of "SIMulation applications in Management, PLanning & forEcaSTing" for the Society of Computer Simulation International.

He is Simulation Team MITIM DIPTTEM Genoa Director for the McLeod Institute of Simulation Science (an Institution with 28 Centers distributed worldwide: Brazil, China, USA, UK, Italy, France, Germany, Canada, Spain etc.) and he is General Director of M&S Net an International Network involving 34 Centers.

He is founder member and president of the Liophant Simulation and of the Simulation Team.

He has been enrolled also in Who's Who, IEEE, IASTED, ANIMP, SCS, MIMOS etc. Currently he works in the Department of Industrial Production, Thermoenergy, Engineering and Mathematical Modelling (DIME, formerly DIPTTEM, DIPTEM, DIP and ITIM) at the University of Genoa as Full Professor. He is active in the field of simulator-based applications for industrial plants, developing new methodologies and intelligent system integration techniques.

He teaches "Modelling and Design of Complex Systems", "Project Management" and "Industrial Logistics" at the University for students in many different sectors including Strategic Engineering (2 years), Mechanical Engineering (5th year), Industrial Engineering (3rd year), Management Engineering (4th year) and Industrial, Logistics & Production Engineering (3rd year) degree courses; He teaches "Modelling & Simulation", "M&S for Biomedical System" and "VV"&A for the DIMS PhD Program (PhD program in Integrated Mathematical Modelling and Simulation).

He received the Scientific Achievement Award from NATO STO for his Researches on the Command & Control (C2) Agility.

He is the 10th and youngest member of the Society for M&S International Hall of Fame, including, among others, John McLeod and Vince Amico.

He has been since 2009 the only Italian Leader of M&S Projects within European Defence Agency and the Scientific Responsible for the highest single Invoice

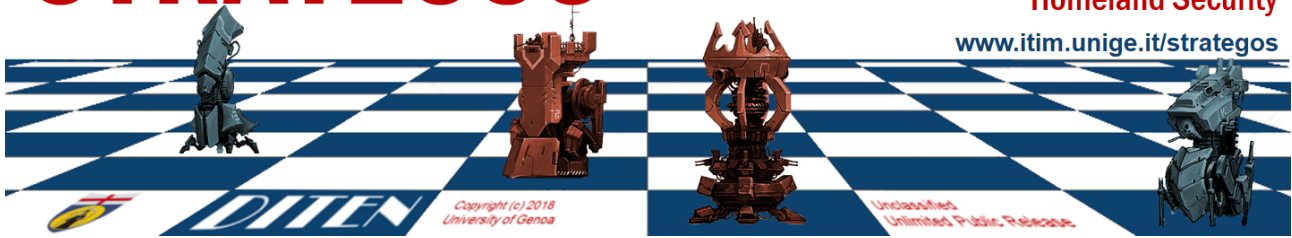
He is President of the MIPET (International Master Program in Industrial Plant Engineering & Technologies - Master in Impiantistica Industriale e Grandi Impianti) of Genoa University ongoing yearly since 2010 and sponsored by major Industries.

He served as M&S Project Leader for NATO Science and Technology Organization, Center for Maritime Research and Experimentation (CMRE), establishing the new Research Track and he is actively involved in many NATO Groups and initiatives.

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Current Major Positions

Simulation Team President

M&S Net - General Director

McLeod Institute of Technology and Interoperable M&S, Genoa Director

MIPET President (the International Master in Industrial Plant Engineering & Technologies of Genoa University)

STRATEGOS Council Chair (International MSc Engineering Technology for Strategy & Security, Laurea Magistrale Univ.di Genova)

Full Professor at University of Genoa (est. 1471 AD) in Polytechnic School (est.1870)

References

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