Giuseppe Vizzari - Curriculum Vitae

Career: Giuseppe Vizzari is Associate Professor (since October 2015) and member of the Complex Systems and Artificial Intelligence research center at the Department of Computer Science, Systems and Communication (University of Milano-Bicocca, Milan, Italy).
He has a Degree in Computer Science, from the University of Milan, and a PhD in Computer Science from University of Milano-Bicocca. He has been a fellow of the Japanese Society for the Promotion of Science (JSPS), spending a research period between the months of July and August 2011 at the Research Center on Advanced Science and Technology of the University of Tokyo.

Research Activity: his research activities mainly concern agent based models and technologies (situated agent models and applications, environments for multi-agent systems, agent-based modelling and simulation, with particular attention to crowds of pedestrians), knowledge based systems (case-based reasoning and ontology based systems), computer vision applications to the analysis of collective phenomena (crowds of pedestrians). His researches are strongly characterized by an interdisciplinary nature, which implied the collaboration with researchers in the fields of civil and transportation engineering, psychology, social sciences, biology, archaeology and humanities in general.

Research Projects: he has recently led the modeling and simulation activities of the Crystals project (2010-2011), funded by the Centre of Research Excellence in Hajj and Omrah of the Umm Al-Qura University (Makkah, Saudi Arabia) and in collaboration with the Research Center for Advanced Science and Technology of the University of Tokyo (Japan). He was responsible for the activities of knowledge modeling, definition of ontologies for the organization of digital contents related to local Cultural-Heritage in the TIVAL (Integrated Technologies for the Valorization of Cultural Heritage) project (2010-2012), funded by Regione Lombardia, carried out in collaboration with Politecnico di Milano, University of Pavia, University of Milano. Earlier he collaborated with the FIRB Project MAIS (Multichannel Adaptive Information Systems Multichannel Adaptive Information Systems)(2002-2005), and with the P-TRUCK project (2002-2004), funded by Pirelli Tyres.

Supervision of young researchers: he has supervised two PhD students at the University of Milano-Bicocca (Luca Crociani and Sultan Daud Khan – XXVIII cycle. He has supervised a visiting PhD student from University of Science and Technology of China, Hefei (Yiping Zeng), for one year from October 2016 to October 2017, supported by the Specialized Research Fund for the Doctoral Program of Higher Education of China. He has supervised a visiting master student from Beijing University of Technology (Zhao Pengfei) between October and December 2015, supported by a scholarship by the same University. He supervised a placement of José Miguel Pinazo (AINIA, Spain) for four months between October 2009 and January 2010. He is member of the board of the PhD course in Computer Science since 2014 and he was vice coordinator between October 2015 and January 2017. He co-chaired a PhD school on "The Complexity of Crowd Dynamics: analysis, modeling, simulation" in 2014, and he held seminars and courses in several PhD schools: in particular, he held a tutorial "Agent-Based Modeling for the Simulation of Complex Systems", in the context of the 11th European Agent Systems Summer School (EASSS'09), University of Torino, Italy.

Publications and bibliometrics: he published more than 120 papers on international journals

and conferences. While Scopus has repeatedly acknowledged several errors in the indexing of his papers and citations, his scientific works count more than 1700 citations, with an H-Index of 20 on Google Scholar.

Professional Scientific Services: he is member of the Editorial Board of: Complex Adaptive Systems Modeling since its foundation (2013), Collective Dynamics since its foundation (2015). He is member of the Steering Committee of the Agents in Traffic and Transportation International Workshop Series since 2012. He was co-chair of the Agent Based Modelling and Simulation symposia, held in 2006, 2008, 2010 and 2012 in the context of the European Meeting on Cybernetics and Systems Research; he was co-chair of the Advances in Computer Simulation track of the 2008, 2009 and 2010 ACM Symposium on Applied Computing; he was workshop co-chair for the 2009 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT'09); he was co-chair of the Eighth International Workshop on Agents in Traffic and Transportation, in the context of the 13th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2014). He was involved in the program committee of many International conferences and workshops, most notable: AAMAS, IAT, AI*IA, TRB, EUMAS, ACRI, TGF, PED. He co-edited five special issues of ISI indexed journal (Cybernetics and Systems, ACM Transactions on Modeling and Computer Simulation – in press, Journal of Cellular Automata – in press). He served as expert reviewer by the following institutions: Netherlands Organization for Scientific Research (NWO), Swiss State Secretariat for Education and Research (SER) COST projects, Swiss National Science Foundation, Research Foundation Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO).

Teaching activity: since 2006 he has taught several BSc- and MSc- level courses at the University of Milano-Bicocca, mostly for the Degree in Computer Science and Master Level Degree in Computer Science, but also for the Degree in Mathematics and recently the Master Level Degree in Theory and Technology of Communication (Interdepartmental Degree with Computer Science and Psychology): Modeling and Simulation of Complex Systems, World Wide Web Tools and Applications, Laboratory of Programming Language, Laboratory of Distributed Systems, Laboratory of Software Engineering, Laboratory of Knowledge Representation.

Technology Transfer: he also recently collaborated with CROWDYXITY Srl, a spin-off company of the University of Milano-Bicocca focused on the application of agent-based pedestrian modeling and simulation to support the activities of designers and urban planners.