

AZAD M. MADNI

Dr. Azad M. Madni is a Professor of Astronautical Engineering and the Technical Director of the Systems Architecting and Engineering Program in University of Southern California's Viterbi School of Engineering. He is also a Professor (by courtesy) in USC's Schools of Medicine and Education. He is the founder and Chairman of Intelligent Systems Technology, Inc., a high tech R&D company specializing in game-based educational simulations, and methods, processes, and tools for complex systems engineering. He received his BS, MS and PhD degrees from the University of California, Los Angeles. His research has been sponsored by both government research organizations such as DARPA, OSD, ARL, RDECOM, ONR, AFOSR, DHS S&T, DTRA, NIST, DOE and NASA, and aerospace and automotive companies such as Boeing, Northrop Grumman, Raytheon and General Motors. He is an elected Fellow of the American Association for Advancement of Science (AAAS), Fellow of American Institute for Aeronautics and Astronautics (AIAA), Life Fellow of the Institute for Electrical and Electronics Engineers (IEEE), Life Fellow of the Institution for Electronics and Telecommunications Engineers (IETE), Fellow of the International Council on Systems Engineering (INCOSE), and Life Fellow of the Society for Design and Process Science (SDPS). His recent awards include: *2016 Boeing Lifetime Accomplishment Award* and *2016 Boeing Visionary Systems Engineering Leadership Award* for contributions to industry and academia (awards received in Boeing's 100th anniversary); the *2016 INCOSE RMC Award* for pioneering, industry-relevant contributions to Transdisciplinary Systems Engineering; the *2016 Distinguished Engineering Educator Award* from the Engineers' Council; the *2016 Outstanding Educator Award* from the Orange County Engineering Council; the *2014 Lifetime Achievement Award* from the International Council on Systems Engineering, the *2013 Innovation in Curriculum Award* from the Institute of Industrial Engineers, the *2012 Exceptional Achievement Award* from INCOSE, the *2011 Pioneer Award* from the International Council on Systems Engineering. He serves on the USC's Council of the Center of Cyber-Physical Systems and Internet of Things (CCI), and Steering Committee of USC Provost's STEM Consortium. His research interests include formal and probabilistic methods in systems engineering, model-based architecting and engineering, engineered resilient systems, cyber-physical systems, and exploiting disciplinary and technology convergence in systems engineering. He is listed in the Who's Who including in Science and Engineering, Who's Who in Industry and Finance, and Who's Who in America.