Professor Azad M. Madni

BIOSKETCH

Dr. Azad Madni is a Professor of Astronautics and the Executive Director of University of Southern California's Systems Architecting and Engineering Program. He is also the Director of USC's Distributed Autonomy and Intelligent Systems Laboratory. He is the founder and CEO of Intelligent Systems Technology Inc., a R&D company specializing in innovative approaches to model-based complex systems engineering. He is a Principal Systems Engineering Advisor to The Aerospace Corporation. He received his BS, MS, and PhD degrees in Engineering from UCLA. His research sponsors include DOD-SERC, DARPA, NSF, OSD, AFOSR, AFRL, ONR, ARL, RDECOM, DTRA, DOE, NIST, NASA, Boeing, General Motors, Raytheon, Northrop Grumman and SAIC.

In 2011, he received the *INCOSE Pioneer Award*. He is also the recipient of *2019 IEEE Aerospace and Electronic Systems Society's Pioneer Award*. In 2019, he also received the *AIAA/ASEE John Leland Atwood Award*, the *ASME CIE Leadership Award*, the *INCOSE Founders Award*, and *The Society of Modeling and Simulation International's Presidential Award*. He is an elected Fellow of AAAS and AIAA, and Life Fellow of IEEE, INCOSE, IETE, and SDPS. He is the author of *Transdisciplinary Systems Engineering: Exploiting Convergence in a Hyper-Connected World*, Springer 2017. He is the co-author of *Tradeoff Decisions in System Design*, Springer 2016. He is the co-founder and Chair of IEEE SMC's award-winning Technical Committee on Model Based Systems Engineering. His research interests are model-based systems engineering, intelligent human-systems integration, formal systems modeling methods, and adaptive cyber-physical-human systems.