

John Valasek

Biographical Sketch

John Valasek is Director, Vehicle Systems & Control Laboratory, Thaman Professor of Undergraduate Teaching Excellence, Professor of Aerospace Engineering, and member of the Honors Faculty at Texas A&M University. He has been actively conducting flight mechanics and controls research of Manned and Unmanned Air Vehicles in both Industry and Academia for 33 years. John was the Founding Director of the multi-engineering department Center for Autonomous Vehicles and Sensor Systems (CANVASS), where he organized and led funding efforts in underwater, ground, air, and space autonomous systems. His research is currently focused on bridging the gap between traditional computer science topics and aerospace engineering topics, and he has led efforts and contributed key technical analysis in machine learning and multi-agent systems, intelligent autonomous control, vision based navigation systems, fault tolerant adaptive control, and intelligent cockpit systems and displays. John is the author / co-author of **Advances in Intelligent and Autonomous Aerospace Systems** AIAA (2012), **Nonlinear Multiple Time Scale Systems in Standard and Non-Standard Forms: Analysis and Control** SIAM (2014), and **Advances in Computational Intelligence and Autonomy for Aerospace Systems** AIAA (2018). John is a Fellow of AIAA and currently a member of the Intelligent Systems Technical Committee, the Unmanned Systems Technical Program Committee, and an Associate Editor of the *Journal of Guidance, Control, and Dynamics*.