

Biography

Michael has been achieving results in product and system design, research, and controls development since the beginning of his professional career in 1984. While at Olin Corporation, Michael was instrumental in the update and improvement of vintage process equipment that could not be forsaken, as well as the installation of new production facilities. This period instilled an understanding of the value in communications and team building between organizational areas, as many diverse groups shared responsibility for the final improved function. Michael completed advanced studies in microprocessor design and modern control theory at SIU-E while teaching course work at the undergraduate level. He authored several technical papers on aircraft fight control which were presented and published for AIAA GNC conferences. At DICKEY-john Corporation, he continued this emphasis on product development and controls design with numerous commercial products for the agricultural market and successful OEM's. Application of modeling and controls analysis to the design problem yielded significant value in terms of performance and implementation cost reduction on both the sensing and controller side of the equation. At Cognitive Solutions, Inc, Michael was able to markedly improve the existing printer offerings and guide new product development with effective methods of system control and integration, using an expertise that spans the electrical, software, and mechanical systems domains.

Michael is passionate about firmware development and the application of controls design as a means to create innovative solutions that help solve problems. He also likes to ride motorcycles, because it helps him think.

Selected Accomplishments

Authored and presented design papers at **AIAA GNC conferences**. *"TVC Control for the AIAA Design Challenge Airplane"*, **93-3810**. *"Linear and Nonlinear Flight Control for the AIAA Controls Design Challenge Airplane"*, **92-2634-CP and 92-4628**

Completed additional coursework at **University of Management and Technology** in **Project Estimation, Scheduling, and Communications Skills**

Registered Professional Engineer in the State of Colorado and State of Illinois

Member: Institute of Electrical and Electronics Engineers (IEEE) | Controls System & Computer Society, American Institute of Aeronautics and Astronautics (AIAA)

Education

SOUTHERN ILLINOIS UNIVERSITY at EDWARDSVILLE – 6/92
MS Engineering, Electrical | Microprocessor Design and Modern Control Preference

UNIVERSITY OF MISSOURI at ROLLA – 5/84
BS Electrical Engineering

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