

Engineering the Future: Industry and Universities Working Together

Dr. Vicki S. Johnson

Associate Professor, Aerospace Engineering Embry-Riddle Aeronautical University

This summer, Dr. Johnson participated in the Welliver Faculty Summer Fellowship Program at Boeing in St. Louis and Seattle. During the fellowship, she had the opportunity to see first hand the environment of today's engineers - what they are doing and how. Programs from the very mature F-15 all the way through DMAPS (Design, Manufacturing and Producibility Simulation) were part of her experience. The goal was to develop ideas to bring back to school to help graduates become more productive in industry quicker. The dynamic presentation will include observations on the environment in Boeing and thoughts on how that environment will impact engineering education.

Speaker: Dr. Vicki S. Johnson

Dr. Johnson is currently an associate professor in the Aerospace Engineering Department at Embry-Riddle Aeronautical University. Prior to joining ERAU, she was manager of NASA/USRA University Advanced Design Program (ADP) for Universities Space Research Association. While at USRA Johnson served as a member of the NASA Federal Laboratory Review Task Force. Prior to that, Johnson spent a year as a Senior Program Officer with the Aeronautics and Space Engineering Board of the National Research Council. Johnson spent 12 years at NASA-Langley Research Center serving finally as leader of the Performance and Cost Analysis Group in the Advanced Vehicles Division. Johnson started at NASA as a cooperative education engineering student in 1978. She has a B.S. in Aerospace Engineering from the University of Missouri at Rolla, a M.S. in Flight Sciences from George Washington University, and a Ph.D. in Aerospace Engineering from the University of Kansas.