

Kurt Colvin, Ph.D, P.E.

Professor of Industrial Engineering, AWS Certified Solutions Architect



Kurt Colvin received his Ph.D. in Industrial Engineering from Oregon State University. He joined the Cal Poly faculty in 2000 and is a tenured professor in the department of industrial and manufacturing engineering and a registered Professional Engineer in California.

Dr. Colvin has more than 25 years of industrial and research experience including NASA (Ames & JPL), Air Force Test Pilot School, Boeing, Systems Integrators, Inc.,

Ameridata, Festo and Frito-Lay, Inc. He teaches a wide variety of topics including systems engineering, mechanical design, manufacturing processes, systems simulation, manufacturing systems integration, flight test engineering and data analytics.

Dr. Colvin's current efforts include developing a new curriculum in the areas of cloud computing fundamentals and data acquisition and analysis (i.e, Internet of Things). In addition to engineering students, he has taught cloud technologies to Masters of Science in business analytics students and as a corporate trainer to IT staff transitioning the cloud. In addition, he is a yearly consultant for the Orfalea College of Business Analytics Fellowship. He is certified AWS Academy Instructor and AWS Solutions Architect.

Dr. Colvin's long-term professional interests include systems engineering, data acquisition and analysis, cloud computing technologies and the flight test engineering discipline. His recent projects include the Pierdras Blancas Marine Monitor system, development of a data instrumentation and acquisition system for an RV-7 airplane and an engineering computing lab migration to the cloud using AWS technologies.

He is an avid pilot, bicyclist and zealous builder of many things.