

## Presenter Bio

Dr. R. Russell Rhinehart, has experience in both industry (13 years) and academe (30 years). He was Head of the School of Chemical Engineering at Oklahoma State University for 13 years and retired in 2016 to shift his career toward professional education. Russ was a president of the American Automatic Control Council, and Editor-in-Chief of ISA Transactions. He is a Fellow of ISA, a CONTROL Automation Hall of Fame inductee, and received numerous teaching and innovation recognitions.



His 1968 B.S. in Chemical Engineering and subsequent M.S. in Nuclear Engineering are both from the University of Maryland. His 1985 Ph.D. in Chemical Engineering is from North Carolina State University.

He is author of the book Engineering Optimization: Applications, Methods, & Analysis, author of Nonlinear Regression Modeling for Engineering Applications: Modeling, Model Validation, and Design of Experiments, and coauthor of the textbook Applied Engineering Statistics, which is the basis for this workshop. He authored six handbook chapters on modeling, uncertainty, process control, and optimization.

Russ also developed short courses for industrial participants offered through ISA, the American Control Conference, or directly to companies related to statistical process control, instrument and control systems, modeling, model-based control, nonlinear regression, and optimization. He has developed a web site to support his aim to focus and disseminate best-in-class public-domain techniques for modeling, optimization, and control. You are invited to visit [www.r3eda.com](http://www.r3eda.com).

Much of the material in this short course has been tested on nonlinear pilot-scale unit operations process equipment.

In “retirement” he continues to offer consulting services related to engineering analysis.