



Professor Dr. Martin Hagan, Oklahoma State University

Dr. Hagan has taught and conducted research in the areas of statistical modeling and control systems for the last thirty years. His research has encompassed a variety of application areas: seismic signal processing, genetic pathway modeling, optimal portfolio management, electric load prediction, flight simulators, precision pointing systems, diesel engines, adaptive flight control and friction compensation.

He has received grants from Boeing, Texas Instruments, Halliburton Energy Services, Cummins Engine Company, National Science Foundation, Air Force Office of Scientific Research, California Public Employees Retirement System (CalPERS), Amgen, and FlightSafety International.

For the last twenty years his research has focused on the use of neural networks for nonlinear filtering, prediction and control. He is the principal author, with Howard Demuth and Mark Beale, of the textbook *Neural Network Design*. He is also a co-author of the *Neural Network Toolbox for MATLAB*. He regularly teaches courses in stochastic processes, estimation theory, neural networks, system identification and control systems. He was awarded the Oklahoma State University Regents Distinguished Teaching Award in 2000 and the Lockheed Martin Aeronautics Teaching Excellence Award in 2005 and 2010.

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