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C. ARTHUR MACCARLEY, Ph.D., PE., ASSOCIATE

EXPERIENCE

- Peter R. Thom and Associates Inc., Associate. 1992 – Present.
- Professor of Electrical and Computer Engineering, Director, Computer Engineering Program, California Polytechnic State University. Responsible for teaching undergraduate and graduate courses in computer engineering and control systems, 1988-present.
- David Ross Fellow, Purdue University, School of Electrical Engineering, 1984-1987. Independent research in computer-based control systems and signal processing.
- Senior Engineer, United Technologies Diesel Systems, Springfield, MA. 1982-1983. Design and optimization of microprocessor based diesel fuel injection and engine control strategies.
- Research Engineer, Denver Research Institute, University of Denver, CO, 1979-1982. Principal investigator on programs involving the instrumentation and testing of experimental engines and fuels.
- Electronic Design Engineer, Hughes Aircraft Co. Digital Communications Lab, El Segundo, CA, 1977-1979.

EDUCATION

- Purdue University, West Lafayette, Indiana, Ph.D. Electrical Engineering, 1987.
- University of California, Los Angeles, M.S. Electrical Engineering, 1978.
- University of California, Los Angeles, B.S. (Cum Laude) Mechanical Engineering, 1976.

ACTIVITIES

- Society of Automotive Engineers, Institute of Electrical and Electronic Engineers.
- Principal Investigator and Author of publications about advanced sensors, detectors, and control systems for highways, electronic fuel injection, electric vehicles and alternative fuels.
- Faculty Advisor to Cal Poly Electric Vehicle Engineering and Racing Teams.

HONORS

- Northrup-Grumman Excellence in Teaching and Applied Research Award, 1997.
- Litton Industries Excellence in Applied Research Award, 1997.
- IEEE student branch awards for teaching or advising every year 1989-2000.
- DOE/NIST New Invention Competition Award Winner, 1992.
- Overall Champion, SAE High Altitude Clean Air and Fuel Economy Rally, 1982.

C. Arthur MacCarley