

Raymond H. Dean is Professor Emeritus, Electrical Engineering and Computer Science, University of Kansas.

He earned a BS (highest distinction) in Electrical Engineering (Power Option) from the University of Kansas. After serving as a U.S. naval officer at the Defense Atomic Support Agency at Sandia Base, N. M., he earned an MS from MIT (nuclear reactor design, control theory, and acoustics) and a PhD from Princeton University (plasma physics and solid-state devices).

He has published numerous scientific papers. He has 21 U.S. patents in semiconductor devices (as a member of the technical staff at RCA Laboratories in Princeton, N. J. between 1968 and 1974) and in HVAC controls and systems (as the head of R&D for Temperature Industries in Kansas City, Mo. between 1974 and 1983).

For a short time before it was sold in 1985, he was the chairman and CEO of Temperature Industries, which was the holding company for an HVAC-equipment manufacturing company, two HVAC contracting companies, an energy-management service company, and an electronics manufacturing company. In their formative years between 1975 and 1983, he was chairman and CEO of the energy management service subsidiary (Viron – now CMS Viron Energy Services), and the electronics manufacturing subsidiary (Wattmaster – see www.wattmaster.com).

As a tenured Professor at the University of Kansas between 1985 and 1997 he taught courses in digital signal processing, digital circuit design, microprocessors, computer simulation, and electric machines, transmission, and semiconducting power switches. He was one of two faculty advisors for a University of Kansas team of students who designed, built, and operated a small concentrating solar power system for the 1994 "Solar Two Challenge", a contest conducted at the site of the Solar II facility near Barstow, CA. This national contest was sponsored by the U. S. DOE, Southern California Edison, and other utilities, and the team from the University of Kansas won 2nd place.

Before retirement in 1997 he was a Registered Professional Engineer in Kansas, Missouri, and Michigan.

In retirement, he collaborated with his son to write the computer-science textbook, John Dean and Raymond Dean, *Introduction to Programming with Java*, McGraw-Hill (2008). He and his wife, Sarah Simpson Dean, have helped the Sierra Club and The Land Institute oppose the construction of new coal-fired power plants in western Kansas. He has given presentations and testimony supporting energy conservation and the use of compressed-air energy storage to firm the output of renewable energy sources like wind turbines.

He is a senior member of IEEE and a member of the IEEE Power & Energy Society.

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