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Leslie Haggerty, P.E. has 28 years of experience in systems and software engineering. She received the B.S. degree in engineering from the University of Redlands in 1986.

Since 1994, Mrs. Haggerty has been the principal software engineer of H&A Systems Engineering, where she specializes in web site interactivity, commerce, and management. She specializes in PERL scripting for dynamic web sites.

She is also an expert in the use of computer-aided software engineering (CASE) tools for specifying system and software requirements and architecture.

For a multiple-unit parallel solid-state power conversion system, she used the Hatley-Pirbhai Methodology (HPM) to specify system and software requirements. She has taught two courses of the structured analysis portion of HPM.

For Internet and Web commerce clients, she has authored over fifty custom web scripts and cgi programs including: search engines, shopping carts, secure credit card payment systems, courseware, bulletin boards, random message generators, daily commentary display, submission systems, survey and comment collection, and login systems.

From 1986 to 1994, she was an engineer at Hughes Aircraft Company, El Segundo, CA. While at Hughes, she led CASE tool implementation on one program and used HPM on two programs to define system requirements and develop system architectures. She taught the "Structured Systems Development," course developed by Imtiaz Pirbhai, for the Hughes technical education program and improved the course materials. She developed architecture models for proposed EW system configurations. She also tested and verified electronically scanned antennas (ESA) and has two ESA algorithm invention disclosures.

Mrs. Haggerty is a licensed electrical engineer in the state of California. She has published a joint paper on a case study of supporting systems engineering with CASE methods and tools.

Systems Engineering for Large Scale Parallel Power Converters



Structured Methods for Software and Systems Engineering

