

## **Scott A. Carpenter, Ph.D.**

Cupertino, CA 95014 / (408) 772-2811

scottcarpenter@radiationdetectives.com

Full bio and publ. list at: <http://www.radiationdetectives.com/MGMT/SAC/sac-pubs.html>

MISSION: Simplify complexity, grow understanding, and benefit from new opportunities and challenges.

VP and CHIEF SCIENCE & TECHNOLOGY OFFICER, NuFORENSICS, Inc., 2010 - Present

- \* Research and Development.
- \* Intellectual property capture and protection.

INDEPENDENT CONSULTANT, COMPLEX SYSTEMS ENGINEER, 1993 - 2009

- \* Developed an innovative method for simplifying software models of complex systems.
- \* Developed a collaborative engineering design environment known as IDEAs.
- \* Used IDEAs to model and evaluate proposed nuclear fusion power plant designs.
- \* Directed a Radioisotope-Generator technical design study and market analysis.
- \* Developed the space-mission-analysis software application called CATS.

SUN MICROSYSTEMS, KNOWLEDGE ENGINEER and MANAGER, 2001 - 2003

- \* Co-managed the design, development, and implementation of Sun's Wisdom Management System.
- \* Managed development and rollout of Sun's new enterprise security services.
- \* Managed development of Sun's new enterprise business-continuity services.
- \* Managed activities between knowledge consultants, subject matter experts, sales representatives, engagement and practice managers, attorneys, and trainers to develop new service methodology.
- \* Co-Developed training materials and the Usage and Quality Measures system for the wisdom base.
- \* Tracked and evaluated global methodology, head counts, resources, budget, matrixed personnel, and service methodology development work in the United States, England, Germany, and Italy.
- \* Initiated and developed the Knowledge Management Group's intellectual-property-capture program.

UNIV OF PHOENIX, GRADUATE INSTRUCTOR, 2000 - 2001

- \* Top-rated Graduate Instructor in Software Programming Management and Business Risk Management.

LAWRENCE BERKELEY NATIONAL LABORATORY, SENIOR RESEARCH ASSOCIATE, 1988 - 2000

- \* Reduced R&D labor costs by an estimated 40% (a savings of \$3.1-million over three years).
- \* Managed and co-invented ultra-sensitive radiation detection systems and experimental processes.
- \* Supported determination of key radionuclide properties of national importance, to include uranium and plutonium.
- \* Developed a non-destructive methodology for analysis of dangerous materials of national importance.
- \* Developed experimental procedures for scientific traceability and for geologic repository licensing.
- \* Developed and implemented software quality programs and quality management plans and procedures at Sandia, Los Alamos, Berkeley, and Livermore national laboratories; and at the University of Florida.
- \* Developed curriculum and taught laboratory safety and quality management programs (NQA-1 and ISO-9000 series) throughout the organization including executive management.
- \* Awarded for "Outstanding Performance" by the Director of the Lawrence Berkeley National Laboratory.

US NAVY, NUCLEAR PLANT OPERATOR, Submarines, 1982 - 1988

- \* Served as a Reactor Plant Operator aboard nuclear-powered submarines.
- \* Performed numerous primary instrumentation repairs at sea and at power.
- \* Supervised, trained, mentored, and evaluated Reactor Controls Division personnel.
- \* Supervisor and Radiation Worker during in-port reactor maintenance, overhaul, and decommissioning.

Ph.D. Computer Information Systems, Nova Southeastern University

M.S. Computer Information Systems, University of Phoenix

M.B.A. Technology Management, University of Phoenix

B.S. Technology, Conc. in Nuclear Technology, University of New York at Albany

B.S. Liberal Arts, Conc. in Mathematics and Sociology, University of New York at Albany