

Electra Sutton

Curriculum Vitae

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Appointments

- University of California, UC Berkeley, Institute for the Study of Societal Issues, (2012-present) ARI Nuclear Forensics Informatics Researcher
- Los Alamos National Laboratory, (1999-2012) Scientist, Q, SCI, sigma clearances
- Federal Bureau of Investigation, Washington DC HQ (1987-1999 Computer Scientist, Top Secret clearance
- Classroom Teacher (1966-1985): English, Art, Mathematics

Professional Preparation

- University of South Florida, Tampa, FL. English Literature, Art History, Education, B.A. 1968
- City University of New York, Lehman College, Bronx, NY, Mathematics, B.S. 1986
- City University of New York Graduate Center, NY, NY, Computer Science, M.S. 1989

Deployed Projects and Professional Partnerships

- Researcher and Software Architect, National Science Foundation and Department of Homeland Security, Advanced Research Initiative grant, Design and deploy nuclear forensics informatics and search system
- Lead Software Developer, Plutonium Metal Exchange Program, Los Alamos National Laboratory
- Lead Data Architect, Design and deploy nuclear material digital library for intelligence community, Los Alamos National Library and Department of Energy

- Data Architect, Model National Infrastructure Simulation and Analysis Center, Los Alamos National Laboratory and Sandia National Laboratory
- Application developer of graph traversal drug discovery software tool, Los Alamos National Laboratory and Procter & Gamble, Copyright Disclosure, LA-CC-03_052
- Lead Data Architect, Model FOIA ontology and web deployment, Federal Bureau of Investigation, National Science Foundation, UC Berkeley, DARPA
- Web Master, Federal Bureau of Investigation
- Lead Data Architect, Design and deploy graph traversal software for telephone bugging investigations, Federal Bureau of Investigation

Synergistic Activities

- Member of Los Alamos National Laboratory Software Advisory Board and Patent Committee
- 2005 R&D Award candidate for graph theory analysis of signal transduction pathways, Los Alamos National Laboratory
- Panel member, Information & Intelligent Systems, National Science Foundation

Publications

- Electra Sutton, Chloe Reynolds, Fredric C. Gey, Ray R. Larson, Applying Digital Library Technologies to Nuclear Forensics, Acceptance as work in progress by Theory and Practice of Digital Libraries, Conference September 2012.

Collaborators

- Herbert Van de Sompel, Los Alamos National Laboratory
- Marcia Brisson, Department of Energy IN-10, Nuclear Material Information Program
- Ray Larson, University of California, UC Berkeley
- Fredrick Gey, University of California, UC Berkeley