

Francine R. Clark

Education

- Ph.D. Candidate, Applied Mathematics, University of Rhode Island, 1987 (completed course work)
- (*) M.S. Mathematics, University of Rhode Island, 1985
- M.S. Candidate, Department of Computer Science and Experimental Statistics, University of Rhode Island, 1982-84 (completed course work; opted for (*))
- M.A.T. Elementary Education, Rhode Island College, 1973
- B.A. Sociology, Brown University, 1969

Employment History

2010-Present, SAIC Enterprise Solutions, (formerly AMA, Ltd.), Scientific Writer/Senior Analyst

Continue to develop, write, and edit scientific and technical documentation for Naval Undersea Warfare Center (NUWC). Also, develop award nomination packages, Portal News articles, Annual Review, proposals, and business plans. Support Division Newport Technical Director, Chief Technology Officer, NUWC Commander, and Technical Warrant Holder staff.

2006-2010, McLaughlin Research Corp., Writer/Senior Analyst

Developed, wrote, and edited scientific and technical documentation for NUWC. Highly skilled in coordinating and supervising the development of high-level scientific documentation. Co-wrote a series of award-winning documentary films based on autonomous undersea vehicle technology for various target audiences. This included a 28-minute film aired on local NBC affiliate Channel 10 and a video on display at the Smithsonian Institute's Natural Museum of History. Writing tasks also included award nominations, brochures, and speeches. Other writing tasks have included the following:

- Business Case Analyses (BCA)
- Proposals
- White Papers
- NUWSCOPE Articles
- CONOPS
- Technical Advisory Report (TAR)
- Book Reports

1987-2006, SAIC Enterprise Solutions, (formerly AMA, Ltd.), Scientific Writer/Senior Analyst

Developed and wrote scientific and technical documentation for high-level research programs. Supported Senior Consultants as writer and editor on technical reports, articles, and proposals. Also wrote and edited master plans, brochures, business plans, award nominations, and fact sheets for NUWC Division Newport.

For 12 years, supervised publication of NUWC's *In-House Laboratory Independent Research (ILIR) Annual Report*, a compendium of high-level research projects. Supervised publication of the NUWC *Technical Digest*, a journal of high-level scientific articles. Responsible for final production.

Coordinator/editor for various RFPs, RFIs, and Sources Sought, working closely with SAIC personnel from San Diego and Mystic. Edited documents for the U.S. Coast Guard, including white papers.

Other writing assignments included marketing materials, news articles, and press releases. Wrote and edited articles for professional journals, including the *Transactions*

Francine R. Clark

of the American Society of Mechanical Engineers, Physics of Fluids A, Navy Journal of Underwater Acoustics, and the Journal of the Acoustical Society of America.

2011-2020, First Lego League (FLL) Rhode Island Robotics Qualifiers and State Championship, Core Values Judge and Project Judge

2008-Present, Salve Regina University, Department of Mathematics, Adjunct Instructor

Concepts in Mathematics; Applied Calculus; Statistics; Discrete Mathematics

1999-2010, University of Rhode Island, Department of Mathematics, Adjunct Instructor

Introduction to Finite Mathematics

1982-1987, University of Rhode Island, Department of Computer Science and Experimental Statistics; Department of Mathematics, Graduate Teaching Assistant

Performed a comprehensive research study to determine an accurate/efficient method for solving a system of linear equations and incorporated the results of the investigation into a research report. Designed and documented a number of computer simulations to model inventory control systems and program scheduling. Taught mathematics and statistics courses to undergraduates.

1969-1981, Public and private schools in the U.S. and Switzerland, Teacher and Science Coordinator

Participated in an experimental project in the Head Start Program, teaching reading and mathematics to pre-schoolers, and documented the results for national publication. Developed mathematics and science curricula for individualized instruction. Designed a student science laboratory and documented analysis procedures to ensure successful implementation. Wrote fundraising literature, including reports and brochures. Developed curriculum and taught English as a Foreign Language.

Awards/Honors

- Recognition for volunteer work with FLL of Rhode Island as judge in robotics qualifiers and state championship, March 2014
- Certificate of Appreciation, Customer Support (Award Writing), McLaughlin Research Corp., May 2010
- Certificate of Appreciation, Customer Support (Award Writing), McLaughlin Research Corp., February 2010
- Co-recipient of National Association of Government Communicators Gold Screen First Place award for "Exploring History—Smithsonian Ocean Hall Kiosk," 2009
- Co-recipient of National Association of Government Communicators Gold Screen Award of Excellence for "Partnership Runs Deep—The Search for Sunken History," 2009
- Nominated as Co-Writer for documentary submitted to National Association of Government Communicators Gold Screen Award Competition, 2008
- Certificate of Appreciation, Outstanding Contribution (Technical Writing) to Naval Undersea Warfare Center Environmental Planning Program Team, 2008
- Certificate of Appreciation, Award Writing, McLaughlin Research Corp., 2007
- Certificate of Appreciation, Customer Support, McLaughlin Research Corp., 2007

Certificate Programs

- Certificate in The Practice of Management, Brown University Learning Community, October 2004
- Trained literacy volunteer, Literacy Volunteers of America

Professional Affiliations

- Member, American Association of University Professors