

**Rodney M. Adams (April 2013)**  
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## **EDUCATION**

US Naval Academy - BS English (with distinction) 1981 - GPA 3.6  
US Naval Postgraduate School - MS Systems Technology 1987 - GPA 3.8  
Naval War College diploma in National Policy and Strategy May 2003 - GPA 4.0

## **QUALIFICATIONS:**

Command at Sea, Nuclear Engineer Officer, Submarine Warfare Officer, Master Instructor

## **EXPERIENCE - Full time**

September 2010 - Present - Procedure and process development lead, B&W mPower™ reactor development. Responsible for developing and implementing detailed engineering and design control procedures. Daily coordination with senior managers, Quality Assurance, Information Technology, and Document Management to streamline processes and ensure accurate documentation.

June 2001 - September 2010 - Staff officer at the Department of the Navy headquarters. Deep and wide experience in the world's premier small reactor organization. Supported decision-making by senior government officials, developed budget recommendations, worked with congressional staffs, and reviewed projects developed by the research community. Positions during that time included:

April 2008 - September 2010 - Action officer and financial analyst on the staff of the Deputy Chief of Naval Operations for Readiness and Logistics specializing in ship and submarine maintenance. Project manager, Regional Maintenance Center capability planning. Prepare Congressional responses, congressional reports, congressional testimony for flag officers, and decision briefs for senior executives.

July 2004 – April 2008 - Submarine training program analyst on staff of the Deputy Chief of Naval Operations for Manpower, Personnel, Training and Education. Responsible for budget lines totaling approximately \$250 million.

July 2001 – July 2004 - Technology Evangelist - project management, user training, and technology marketing of the SECNAV Corporate Portal, a \$1.4 million per year information technology project, development of knowledge management products, technology analysis with emphasis on tool implementation.

August 1999 - July 2001 Associate chairman, department of Weapons Systems Engineering US Naval Academy. Mentor for approximately 20 military faculty members. Taught courses in systems engineering and ethics. Served as faculty advisor for local

American Nuclear Society (ANS) chapter. Officer in charge of a squadron of 6 Navy 44s and 40 midshipmen representing the US Navy in New York City's OPSAIL 2000.

April 1999 – July 1999 – Military Exercise Coordinator, US Navy Central Command. Liaison for Exercise Bright Star, a tri-annual exercise that included forces from more than a dozen regional partners and all four services of the US military.

June 1996 – April 1999 - General Manager, J & M Industries. Production management, product and service marketing, human resources, factory operations and maintenance, quality assurance, information systems development Company description: 15-22 employee plastic product manufacturing company with annual sales that nearly tripled from \$350,000 to \$970,000 during 33-month tenure.

September 1993 – June 1996 – Founder, & President, Adams Atomic Engines, Inc. Responsible for technology development. Awarded patent for control systems for closed-cycle gas turbine engine. Responsible for business development; presented both technology and financial models to dozens of investors. Responsible for licensing strategy; met with NRC regulators once but did not get docketed due to cost. Started Atomic Insights to tell atomic story.

January 1991 – September 1993 - US Naval Academy Company Officer and instructor. Responsible for the professional development of 150 midshipmen. Taught technical writing and seamanship. Officer in charge of three offshore sailing training exercises including two round trips from Annapolis to Bermuda and one round trip from Annapolis to Halifax, Nova Scotia.

October 1987 – December 1990 - Engineer Officer, USS Von Steuben, SSBN 632 (GOLD). Collateral duties included ship safety officer, sound silencing officer, member of two man control team. Responsible for operations and maintenance of an S5W pressurized water reactor and associated De Laval steam plant. Responsible for operations and maintenance of emergency diesel generator, storage battery, atmosphere control equipment, oxygen generating equipment, pressurized air systems, sanitary systems, trim & drain systems, potable water, trash disposal, and water purification. Responsible for training and qualification of 5 junior officers and 35 enlisted technical nuclear energy specialists plus 15 non nuclear specialists in interior communications and auxiliary machinery. Successful completion of three Operational Reactor Safeguards exams and three Tactical Readiness Evaluations. Green E for engineering excellence for Squadron 16 in 1988. Spot promoted to Lieutenant Commander in December, 1987. Qualified for Command of Submarines.

March 1987 – October 1987 – Student, Submarine Officer Advanced Course (SOAC)

August 1985 – March 1987 – Student Naval Postgraduate School. Systems Technology, Command Control and Communications. Specialized in decision support systems, computer networks, digital communications and computer graphics. Earned Armed Forces Communications and Electronics Association award for outstanding thesis "Commander's Display System"

February 1983 – July 1985 – Junior officer, USS Stonewall Jackson. Served as Electrical Officer, Main Propulsion/Chemistry and Radiological Controls Assistant, Communications Officer. Qualified as Engineer Officer.

October 1982 – January 1983 – Student, Submarine Officer's Basic Course.

March 1982 – October 1982 – Student, D1G Prototype. First in class to qualify as EOOW.

September 1981 – March 1982 – Officer Nuclear Power School. Graduated in top 10%

May 1981 – September 1981 – Sailing instructor US Naval Academy. Instructed incoming plebes on 44' Luders yawls. Nuclear Power Training pipeline.

### **EXPERIENCE - Part time**

May 2005 - Present - Publisher, Atomic Insights - a frequently cited energy industry blog focusing on atomic energy as an alternative to fossil fuels. Serving more than 22,000 visitors per month from 120 countries and every state in the US. Regular visitors come from ANS, NEI, policy think tanks and US NRC.

Sept 1993 - December 2010 - Founder, Adams Atomic Engines (AAE), Inc. AAE was a pioneer in small modular reactors. At the 2010 Platts Conference on Small Modular Reactors, was recognized from the podium as being partially responsible for the growing interest in SMRs. Responsible for technical business development, energy market analysis, competitive research, financial analysis, marketing, public information campaign, licensing investigations with NRC.

May 2006 - Present - Host and Producer, The Atomic Show Podcast, an audio program about nuclear energy topics attracting 2,500 downloads per month.

September 1993 - April 1999 (US Naval Reserves) Assigned to COMSUBRON 16 as staff augmentation support, Voluntary Training Unit, and Navy Central Command (admin officer).

### **PUBLICATIONS / PATENT / AWARDS**

Awarded the ANS Presidential Citation in June 2008 for efforts to inform public about nuclear energy and the nuclear industry.

"The future of nuclear power after Fukushima" The National Review, June 20, 2011

"Earthquake, Tsunami and Nuclear Energy" The Daily, March 16, 2011

"Nuclear Power for Remote Areas", paper presented at the 12th Annual Technical Conference of the International Society of African Scientists (ISAS), held on August 16, 1996, in Philadelphia, Pennsylvania.

"Nuclear Power for Commercial Ships" - paper presented at Propulsion '95, a maritime industry conference sponsored by the Marine Log, October 30-31, 1995

Regular guest author on ANS Nuclear Cafe

US patent number 5,309,492 – Control for a Closed Cycle Gas Turbine System, awarded May 3, 1994

Four Meritorious Service Medals, two Navy and Marine Corps Commendation Medals, two Navy and Marine Corps Achievement Medals.

### **MEMBERSHIPS**

North American Young Generation in Nuclear - Since 2001

Women in Nuclear - since 2009

American Nuclear Society - since 2005 and 1993-1998