

Steven M. Bolen, Ph.D.

EXECUTIVE PROFILE

- Recognized community leader with demonstrated ability to influence public opinion and legislative policy. Motivated, organized, and led grassroots teams of volunteers to successfully win a Primary election to become a Democratic Party nominee for the Maryland House of Delegates.
- Collaborative, results-driven leader experienced in managing cross-disciplinary, multi-agency, national programs, resources, and human capital that includes government civilian, military, and contractor teams.
- Highly skilled, visionary, critical thinker with proven ability to define and set programmatic strategic direction; and, to plan, defend, develop and deploy complex, large-scale, worldwide, integrated, land-air-space tasking, collection, processing, exploitation, and data management systems that support multidisciplinary, actionable, contextual intelligence operations.
- Deep technical expertise with 27 years of experience in acquisition, systems engineering, vulnerability threat analysis, and research and development deploying and maintaining operational systems and analytic tools.

EDUCATION

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|---------------------------------------|--|-------------|
| ▪ Ph.D. Electrical Engineering | Colorado State University, Fort Collins, CO | 2002 |
| | <ul style="list-style-type: none">• Polarimetric space/ground radar atmospheric remote sensing• Statistical signals processing/Electromagnetic field theory | |
| ▪ M.S. Electrical Engineering | Michigan State University, East Lansing, MI | 1987 |
| | <ul style="list-style-type: none">• Control systems theory/Communications and signals processing | |
| ▪ B.S. Electrical Engineering | Lawrence Tech University, Southfield, MI | 1985 |
| | <ul style="list-style-type: none">• Magna cum Laude | |

PROFESSIONAL WORK EXPERIENCE

(details provided upon request)

Howard County Executive Transition Team Member **2018 - 2019**

Dr. Calvin Ball's Public Safety Subcommittee Transition Team

- Selected by the newly elected Howard County, Maryland Executive to serve on his Public Safety Subcommittee Transition Team.

Democratic Nominee for the Maryland House of Delegates **2018**

Maryland House of Delegates District 9A (Western Howard/Southern Carroll Counties)

- Led a grassroots movement for election to the Maryland House of Delegates. Successfully won my Primary election to become my Party's nominee.

Central Intelligence Agency (CIA) **2003 - 17**

- **Director, Systems Analysis Staff (SAS)** **2015-17**
National Reconnaissance Office (NRO)/Advanced Systems & Technology Directorate (AS&T)

- **Manager, Laboratory** **2014-15**
Directorate of Science and Technology (DST)/Office of Special Activities (OSA)
- **Deputy Director, Research Team** **2012-14**
Directorate of Science and Technology (DST)/Office of Special Activities (OSA)
- **Deputy Director, Integrated Program Office (DD/IPO)** **2009-12**
Joint Program Office (JPO): National Reconnaissance Office (NRO) - National Geospatial-
Intelligence Agency (NGA)
- **Deputy Division Chief/Branch Chief/Program Manager - Contracting** **2005-09**
Officer Technical Representative (COTR)
National Reconnaissance Office (NRO)/Communications Directorate (COMM)
- **All Source Analyst/Program Manager - COTR** **2003-05**
Directorate of Intelligence (DI)

- National Aeronautics and Space Administration (NASA)** **1993-03**
Human Spaceflight Center/Johnson Space Center, Houston, Texas
 - **Deputy Program Manager, Avionics**
International Space Station (ISS) Transit Habitation (THab) Module
 - **Chief Engineer**
Space Operations Management Office (SOMO)
 - **Lead Engineer, Space Shuttle Orbiter (SSO)/ISS Communications and Tracking Operations**
Avionics Systems Division (ASD)
 - **Systems Engineer, Space-Space Communications System (SSCS)**
Avionics Systems Division (ASD)

- United States Department of the Air Force** **1988-91**
Rome Air Development Center (RADC), Griffiss AFB, Rome, New York
 - **Program Manager - COTR**

- McDonnell Douglas Corporation, St. Louis, Missouri** **Summer 1986**
 - **Electronics Engineer/Summer Internship**

- Texas Instruments Incorporated, Dallas, Texas** **Summer 1984**
 - **Electronics Engineer/Summer Internship**

OTHER PROFESSIONAL ACTIVITIES

IEEE Conference Committee Technical Paper Reviewer **2006**

- 2006 IEEE Radar Conference, Verona, NY, April 24-27, 2006.

IEEE Co-Session Conference Committee Chair, Tracking **2005**

- 2005 IEEE International Radar Conference, Arlington, VA, May 9-12, 2005.

IEEE Conference Committee Technical Paper Reviewer **2005**

- 2005 IEEE International Radar Conference. Arlington, VA, May 9-12, 2005.

IEEE Invited Speaker **2002**

- S. Bolen, V. Chandrasekar and C. Sham, "Estimation of Spaceborne Ku-band Signals from Ground Radar S-band Polarimetric Measurement: for use in Radar Meteorology," IEEE Galveston Bay Section, October 22, 2002.

NASA TRMM Science Team Meeting -Invited Speaker **2000**

- S. Bolen and V. Chandrasekar, "Method for Comparing Ground Radar (GR) with TRMM Precipitation Radar (PR) Observations," Tropical Rainfall Measuring Mission (TRMM) Science Team Meeting, Salt Lake City, Utah, May 2000.
- S. Bolen and V. Chandrasekar, "TRMM Precipitation Radar (PR) & SPOL Inter-Comparisons," Tropical Rainfall Measuring Mission (TRMM) Science Team Meeting, Salt Lake City, Utah, May 2000.

Visiting Scientist **1999**

- TRMM Kwajalein Experiment (KWJAEX) Field Campaign, Kwajalein Island, Republic of the Marshall Islands (Joint NASA-NCAR- NOAA - US Army Atoll/Kwajalein Missile Range Field Experiment).

Project Scientist **1998**

- TRMM Large Scale Biosphere-Atmosphere Experiment in Amazonia (LBA), Ji-Parana, Rondonia, Brazil (Joint NASA-NOAA field experiment).

AWARDS

- CIA Exceptional Performance Award **2014**
- CIA Exceptional Performance Award **2012**
- CIA Exceptional Performance Award **2011**
- CIA Exceptional Performance Award **2010**
- CIA Exceptional Performance Award **2008**
- CIA Exceptional Performance Award **2008**
- NRO Sentinel Award **2008**
- CIA Certificate of Merit – Connection Program **2008**

▪ NRO Director's Circle Award	2008
▪ CIA Exceptional Performance Award	2007
▪ CIA Exceptional Performance Award	2007
▪ CIA Exceptional Performance Award	2006
▪ NRO Directorate Employee of the Year Award (Nominee)	2006
▪ NRO Director's Team Award of the Quarter (Q2)	2006
▪ NRO Group Meritorious Service Award (Tier 3)	2006
▪ NRO Group Meritorious Service Award (Tier 2)	2006
▪ NASA Space Act Board Award/Interactive Coverage Analysis Tool	2005
▪ CIA Exceptional Performance Award	2005
▪ CIA Exceptional Performance Award	2005
▪ CIA Exceptional Performance Award	2004
▪ CIA Non-Monetary Award	2004
▪ CIA Exceptional Performance Award	2003
▪ NASA Time-Off Award MAC LOS blockage/RF coverage analysis	2002
▪ NASA Space Act Board Award/Space-Earth RF signal attenuation research	2002
▪ NASA Performance Award	2002
▪ NASA Tech Brief Award for Space-Earth RF signal attenuation research	2001
▪ NASA Go the Extra Mile Award for Space-Earth RF signal attenuation research	2001
▪ NASA JSC Performance Award	2000
▪ NASA JSC Team Award For Excellence: TransHab Program Office	2000
▪ NASA JSC Fellowship (Ph.D. Studies): NASA Johnson Space Center	1998
▪ NASA JSC Go the Extra Mile (GEM) Award for TransHab Avionics	1998
▪ United States Department of the Air Force Performance Award	1990
▪ United States Department of the Air Force Performance Award	1989
▪ Dean's List: Lawrence Technological University (6 quarters)	1982-85
▪ Awarded Full 4-Year Tuition Scholarship: Lawrence Technological University	1982
▪ Dean 's List, Commandant's List, and Superintendent's List: US Air Force Academy	1981-82

PROFESSIONAL ORGANIZATIONS

- Institute of Electrical and Electronic Engineers (IEEE)
- Tau Beta Pi Engineering Honor Society – alumnus, Michigan Eta Chapter
- Eta Kappa Nu Elect Eng. Honor Society - alumnus & former secretary, Theta Upsilon Chi