

Curriculum vitae

Timothy P. Schultz, Ph.D.

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Current Position

Associate Dean of Academics for Electives and Research, United States Naval War College, Newport, RI (Aug 2014-present)

Previous Academic Positions

Dean of Academics (Acting), United States Naval War College, Newport, RI (July 2015-Jan 2016)

Executive Assistant and Military Professor of Strategy, Strategy and Policy Department, United States Naval War College, Newport, RI (Jul 2012-July 2014)

Commandant and Dean, School of Advanced Air and Space Studies, Air University, Maxwell Air Force Base, AL (Jun 2009-Jun 2012)

Professor, History of Technology, School of Advanced Air and Space Studies, Air University, Maxwell Air Force Base, AL (Jul 2008-Jun 2009)

Assistant Professor of Biology, United States Air Force Academy, Colorado Springs, CO (Dec 1996-Jul 1999)

Education

Ph.D. (History of Science and Technology; major subfields: Military History and History of Medicine), Duke University, Durham, NC (2007)

M.A. (Airpower Art and Science), School of Advanced Air and Space Studies, Air University, Maxwell Air Force Base, AL (2004)

M.A. (Military Operation Art and Science), Air Command and Staff College, Air University, Maxwell Air Force Base, AL (2003)

M.S. (Cellular Biology), Colorado State University, Fort Collins, CO (1996)

B.S. (Biology), United States Air Force Academy, CO (1988)

Publications and Research

The Problem with Pilots: How Physicians, Engineers, and Airpower Enthusiasts Redefined Flight (Johns Hopkins University Press, forthcoming spring 2018)

“UAS Manpower: Exploiting a New Paradigm,” United States Air Force Research Institute, Air University, Maxwell Air Force Base, AL (2009)

“Redefining Flight: How the Predecessors of the Modern United States Air Force Transformed the Relationship Between Airmen and Aircraft,” doctoral dissertation, Duke University, Durham, NC (2007)

“*Biopolitik: An Assessment of Future Biowarfare*,” M.A. thesis, School of Advanced Air and Space Studies, Air University, Maxwell Air Force Base, AL (2004)

“The Temple Mount: Cornerstone and Stumbling Block to Peace,” Air Command and Staff College research paper, Air University, Maxwell Air Force Base, AL (2003)

“Synaptic Plasticity of the Lobster Neuromuscular Junction,” M.S. thesis, Colorado State University, Fort Collins, CO (1999)

Lectures and Presentations

“Military Adaptation through the Generational Lens: The Origins of the Progressive Era American Military Profession,” Panel Moderator, Society for Military History annual conference, Jacksonville, FL (Apr 2017)

“Technology, Innovation, and Force Structure,” Panel Moderator, EMC Chair symposium on Sea Control and Foreign Policy, U.S. Naval War College, RI (Apr 2017)

“Instruments of Power: Revolutions and Pathologies,” Strategy and Policy Course, U.S. Naval War College, Newport, RI (May 2014, 2015, 2016, 2017)

“Instruments of Modern War,” Strategy and War Course, U.S. Naval War College, Newport, RI (Feb 2014, 2015, 2016, 2017)

“Strategic Implications of Emerging Technologies,” Advanced Strategist Program, U.S. Naval War College, Newport, RI (May 2015, Apr 2016, Apr 2017)

“Writing and Thinking,” U.S. Naval War College incoming students (Aug, Nov 2015; Feb 2016)

“Our Vision for Students: The Dean’s Perspective,” U.S. Naval War College faculty (Aug 2016)

“Building Modern Strategists: New Initiatives at Air University,” U.S. Air Force Air Education and Training Command Commander’s Conference (2011)

“From the Past, the Future,” Twentieth Anniversary Symposium, School of Advanced Air and Space Studies, Maxwell Air Force Base, AL (2011)

“UAS Manpower Strategy,” briefing to the Chief of Staff, U.S. Air Force, Washington, D.C. (2009)

“UAS Integration,” U.S. Air Force Air Education and Training Command Future Operator Symposium, Maxwell Air Force Base, AL (2009)

“Brains, Planes, and Chilblains: Intelligence, Technology, and Physiology in the USAF at Mid-Century,” Society for Military History Annual Conference, Murfreesboro, TN (2009)

“Why Do They Fight? The History of the Arab-Israeli Conflict,” Royal Air Force Base Akrotiri, Cyprus (2007)

Graduate Inquisitor, Seventh Annual International Securities Studies Conference, Duke University, Durham, NC (2007)

“Redefining Flight,” History of Science Society and the Society for the History of Technology Annual Meeting, Minneapolis, MN (2006)

“21st Century Leadership,” U.S. Air Force Reserve Officer Training Program, Detachment 585, Duke University, Durham, NC (2006)

Military Background

- 2014 Retired as Colonel, USAF
- 2013-2014: Executive Assistant, Strategy and Policy Department, U.S. Naval War College, Newport, RI
- 2012-2013: Military Professor of Strategy, Strategy and Policy Department, U.S. Naval War College, Newport, RI
- 2009-2012: Commandant and Dean, School of Advanced Air and Space Studies, Air University, Maxwell Air Force Base, AL
- 2008-2009: Professor of Science, Technology, and Warfare, School of Advanced Air and Space Studies, Air University, Maxwell Air Force Base, AL
- 2007-2008: Commander, 1st Expeditionary Reconnaissance Squadron, Royal Air Force Base Akrotiri, Cyprus
- 2004-2007: Ph.D. Student, Duke University, Durham, NC
- 2003-2004: M.A. Student, School of Advanced Air and Space Studies, Air University, Maxwell Air Force Base, AL
- 2002-2003: M.A. Student, Air Command and Staff College, Air University, Maxwell Air Force Base, AL
- 1999-2002: Assistant Director of Operations and U-2 Instructor Pilot, 99th Reconnaissance Squadron, Beale Air Force Base, CA
- 1996-1999: Assistant Professor of Biology, T-3A Instructor Pilot, United States Air Force Academy, CO
- 1995-1996: M.S. Student, Colorado State University, Fort Collins, CO
- 1992-1995: C-141 Instructor Pilot, 7th Airlift Squadron, McChord Air Force Base, WA

- 1989-1992: T-38 Instructor Pilot, 99th Flying Training Squadron, Williams Air Force Base, AZ
1988-1989: Student, 99th Flying Training Squadron, Williams Air Force Base, AZ

Professional Military Education

Air War College, correspondence, 2007
School of Advanced Air and Space Studies, 2004
Air Command and Staff College, in-residence, 2003
Squadron Officers School, in-residence, 1995

Professional, Academic, and Honorary Organizations

Member of the Society for the History of Technology
Member of the History of Science Society
Member of the Society of Military History

Awards and Honors

- Outstanding Paper in U.S. and International Security Studies, Air Command and Staff College, Air University, Maxwell Air Force Base, AL, 2003
- Distinguished Graduate, Air Command and Staff College, Air University, Maxwell Air Force Base, AL, 2003
- Distinguished Graduate, U-2 Initial Qualification Training, Beale Air Force Base, CA, 1999
- William F. Goodner Annual Award for Teaching Excellence, Department of Biology, U.S. Air Force Academy, CO, 1999
- Distinguished Graduate and Outstanding Contributor, Squadron Officer School, Air University, Maxwell Air Force Base, AL, 1995
- Distinguished Graduate, T-38 Instructor Pilot Training, Randolph Air Force Base, TX, 1989