



<b>Name</b>	<b>Timothy Haugan</b>
<b>Affiliation</b>	The U.S. Air Force Research Laboratory
<b>Position</b>	Sr. Research Physicist, Aerospace Systems Directorate, Power and Controls Division
<b>Previous Positions</b>	Research Scientist, UES Inc. and Aerospace Systems Directorate
<b>Education</b>	State University of New York at Buffalo, Ph.D. 1995 Electrical Engineering Washington State Univ., Pullman WA, 1986, M.S. Physics  Whitworth Univ., Spokane WA, 1983, B.S. Physics, Mathematics
<b>Research Interests/Areas of Expertise:</b>	Materials science of Cu-oxide high- $T_c$ superconductors, search for new superconductors, multilayer thin films and tapes, flux pinning and critical currents, electric power systems and devices, electric aircraft propulsion
<b>Publications</b>	4 Patents, co-author of more than 120 papers, 1976 citations, h index = 20, i10-index = 43; source Google Scholar (only)
<b>Approximate Number of Years in Applied Superconductivity</b>	27
<b>Membership in Professional Societies</b>	American Physics Society, Materials Research Society, American Ceramic Society, Institute of Electrical and Electronics Engineers, SAE Power Systems
<b>Previous ASC Service</b>	Materials Program Committee, Proceedings subeditor, Paper reviewer > 50x, Session Chair, many times from 2002
<b>Service to Related Conferences</b>	2017 CEC-ICMC Co-chair, 2015 CEC-ICMC Program Chair (ICMC), 2015 & 2013 EMA chair, 2013-2017 Annual EMA symposium organizer, 2014 MRS Spring lead symposium organizer, 2013 16 <sup>th</sup> U.S.-Japan Workshop Advanced Superconductors chair, MS&T 2010 Symposium chair

**Honors and Awards:**

- 2016 AFRL, Sr. Scientist and Engineer 1<sup>st</sup> Quarter
- 2016 AFRL/RQ Directorate, Sr. Scientist & Engineer 1<sup>st</sup> Quarter
- 2015 AFRL/RQQ Division, 3<sup>rd</sup> Quarter Laboratory Scientist
- 2015 AFRL/RQQ Division, Special Achievement
- 2015-2017 AFRL/AFOSR Laboratory Star Team for Excellence in Basic Research
- 2010-2013 AFRL/AFOSR Laboratory Star team for Excellence in Basic Research
- 2009 U.S.A.F. Outstanding Scientist-of-the-Year Mid-Career Civilian
- 2009 U.S.A.F.-AFMC Mid-Career Civilian Scientist-of-the-Year
- 2007-2009 AFRL/AFOSR Laboratory Star Team for Excellence in Basic Research
- 2008 AFRL/RZ Directorate, Scientific Team of the Quarter
- 2007 AFRL/RZ Directorate, Technology Transfer Award, Nano 50 Award – Technical Category
- 2005-2006 AFRL/AFOSR Laboratory Star Team for Excellence in Basic Research
- 2005 AFRL/PR Directorate, Scientist and Engineer of the Year
- 2004 AFRL/PR Directorate, S.D. Heron Award
- 2003-2004 AFRL/AFOSR Laboratory Star Team for Excellence in Basic Research
- 2000-2002 AFRL/AFOSR Laboratory Star Team for Excellence in Basic Research
- 2004 AFRL/PR Directorate, Scientist-of-the-Quarter Award
- 1998-2000 National Research Council (NRC) Research Fellowship at NIST-Gaithersburg
- 1999 9<sup>th</sup> U.S.-Japan Workshop on High  $T_c$  Superconductors National Science Foundation (NSF) Fellowship
- 1994 National Science Foundation (U.S.) - Science Technology Agency (Japan) Exchange Award