

1. Name: **Trevor S. Elliott**
2. Education – degree, discipline, institution, year
 - Ph.D., Aerospace Engineering, The University of Tennessee Space Institute, 2014
 - M.S., Mechanical Engineering, The University of Tennessee at Chattanooga, 2009
 - B.S., Mechanical Engineering, The University of Tennessee at Chattanooga, 2005
3. Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate)
 - The University of Tennessee at Chattanooga, Assistant Professor, January 2015 – Present
 - The University of Tennessee at Chattanooga, Project Lead the Way Affiliate Professor, 2013 – Present
 - The University of Tennessee at Chattanooga, Adjunct Instructor, 2012 - 2015
4. Non-academic experience – company or entity, title, brief description of position
 - The University of Tennessee at Chattanooga, College of Engineering and Computer Science, Information Technology Administrator II, 2008 – 2015
 - Boeing Company contract with NASA, University of Tennessee at Chattanooga, Web Laboratory Design Engineer, 2009 – 2010
 - The University of Tennessee at Chattanooga, Project Lead the Way, Director of Information and Technology, 2004 – 2013
 - The University of Tennessee at Chattanooga, Laboratory Support Engineering, 2005 – 2008
 - The University of Tennessee at Chattanooga, Information and Technology Technician, 2000 - 2005
5. Certifications or professional registrations
 - Engineering Intern, No. 24760, Tennessee Board of Architectural and Engineering Examiners, 2005 – Present.
6. Current membership in professional organizations
 - American Institute of Aeronautics and Astronautics (AIAA)
 - Association for Computing Machinery (ACM)
 - American Society of Mechanical Engineers (ASME)
 - Institute of Electrical and Electronics Engineers (IEEE)
 - Society of Automotive Engineers (SAE)
7. Honors and awards
 - Received “Beyond the Classroom” designation for ENGR 3850 and ENGR 4850, 2014
 - Nominations for Best Paper in Internal Ballistics Modeling, AIAA, 2012
8. Service activities (within and outside of the institution)
 - Advisor to UT Chattanooga IEEE robotics teams, 2014 team placed fourth in south east regional competition, 2011 – Present
 - Advisory role to UT Chattanooga SAE Baja teams, 2007 – Present

- Coordinated, served, and spoke as UT Chattanooga College of Engineering representative at the Chattanooga Maker Day 2013, 3D prototyping education event, 2013
 - Served on departmental honors committee, Nicholas True, 2014 – Present
9. Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation
- **Elliott, Trevor S.**, “Biglobal Stability of the Swirling Majdalani-Fist Mean Flowfield in Solid Rocket Motors,” 51st Annual AIAA/ASME/SAE/ASEE Joint Propulsion Conference, Orlando, FL, July 27 – 29, 2015 (Submitted).
 - **Elliott, Trevor S.** and Majdalani, Joseph, “Effect of Outflow Boundary Conditions on the Stability of Cylindrically-Shaped Hybrid Rockets,” 51st Annual AIAA/ASME/SAE/ASEE Joint Propulsion Conference, Orlando, FL, July 27 – 29 (Submitted).
 - **Elliott, Trevor S.**, “Energy Plus Facility Transformation,” Proceedings of the 1st Thermal and Fluid Engineering Summer Conference, TFESC, New York, NY, August 9 – 12, 2015 (Abstract Accepted).
 - **Elliott, Trevor S.**, “Maximizing Thermal Conductivity for Geothermal Heat Pump Loop Through Use of Rainwater Harvesting,” Proceedings of the 1st Thermal and Fluid Engineering Summer Conference, TFESC, New York, NY, August 9 – 12, 2015 (Abstract Accepted).
 - **Elliott, T. S.**, Akiki, M., and Majdalani, J., “Two-Phase Flow Stability of Cylindrically-Shaped Hybrid and Solid Rockets with Particle Entrainment,” AIAA 2014-3611, **Presented at** the 50st Annual AIAA/ASME/SAE/ASEE Joint Propulsion Conference, Cleveland, OH, July 28 – 30, 2014.
 - **Elliott, T. S.** and Majdalani, J., “Hydrodynamic Stability Analysis Of Particle-Laden Solid Rocket Motors,” Journal of Physics: Conference Series, Vol. 548, 2014. **Presented at** the Proceedings of the 22nd International Conference on Spectral Line Shapes, Tennessee, U.S.A., June 1 – 6, 2014.
 - **Elliott, T. S.**, Batterson, J. W., and Majdalani, J., “Biglobal Stability of Cylindrically-Shaped Hybrid and Solid Rockets with Injecting or Reactive Headwalls,” AIAA 2012-3810, **Presented at** the 48th Annual AIAA/ASME/SAE/ASEE Joint Propulsion Conference, Atlanta, GA, July 29 – August 1, 2012. **Two Nominations for Best Paper.**
10. Briefly list the most recent professional development activities
- Served as college representative on Center for Additive Manufacturing Committee.
 - Served on Tennessee Renewable Energy and Economic Development Council.