

Curriculum Vitae

Prof. Dr. VAHID MOTEVALLI, P.E.
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Dr. Motevalli is a Professor of Mechanical Engineering and Associate Dean of Engineering for Research and Innovation at Tennessee Tech University.

For over 30 years, Dr. Motevalli has held additional academic position at Purdue University, Worcester Polytechnic Institute, the George Washington University (GW) and the Dubai Aerospace Enterprise University. At GW, he served as the Director of the Aviation Institute and also directed the International Aviation Safety and Security Summit program (2001-2005). The Summit program was a leadership program for ministers and DGs of civil aviation of more than 100 countries. While at GW, Dr. Motevalli also developed the technical plan for the proposal to house the NTSB Academy at the GW Campus in Virginia (a \$26 million building), which holds the reconstructed TWA 800 airplane. Outside academia, he has worked at national laboratories (NIST, NRL), and the US Congress as ASME/AAAS Congressional Fellow, and as a Senior Fellow of the GW Homeland Security Policy Institute.



Dr. Motevalli has over 100 technical publications and has directed over 40 graduate students. His research in the aviation/aerospace field has included aircraft evacuation injury evaluation, aviation safety and security oversight, Finite Element modeling of aircraft engine containment, and aircraft cabin safety. His research activities have been supported by more than \$15 million in funding thus far in his career.

He has consulted for a number of organizations; Business Process Re-Engineering for the Ethiopian Airport Enterprise (with IATA), development of civil aviation laws and regulations for Afghanistan (USTDA), Department of Homeland Security, Washington, DC transportation security issues. He serves as a member of the National Academies Transportation Research Board Committee on Aviation Security and Emergency Preparedness (AV 090) since 2010. He has also served on numerous other professional committees and advisory groups including most recently as a member of the IATA Checkpoint of the Future Expert Group. Dr. Motevalli provides regular commentary to the media about aviation safety and security issues.