

Vice Chair-Elect Candidate: Marcus Kruger

Marcus has been working in the Boeing Commercial Airplanes Flutter group since 2006. Prior to Boeing, he worked at Bell Helicopter performing flutter analysis for various tilt rotor aircraft, including the V22, Eagle Eye UAV and the Quad-Tilt rotor concept vehicle.

Marcus started his career after completing his B.S. and M.S. in Aerospace at The University of Texas at Austin. His activities in the Pacific Northwest Section include serving as Treasurer for the past two years and is a member of the annual Technical Symposium planning committee for the past four years. Marcus has also been involved with AIAA at the national level by serving on the Young Professional Committee and as the Young Professional Liaison to the Technical Activities Committee.

Secretary-Elect Candidate: Mark Viviano

For the past six years Mark has been an aircraft performance engineer with the Boeing Company. Most recently he has worked in the 787 product development group providing design support on derivative aircraft. He previously worked in Aerodynamics for the Sales Support and Flight Manuals groups.

Mark earned a BS in Aerospace Engineering from California Polytechnic State University and is working on his masters in mechanical engineering at Columbia University. Mark has been a continuous member of the AIAA since 2001 and in the past has held the position of secretary with the Pacific Northwest Section.

Treasurer-Elect Candidate: Bryan Munro



To borrow a phrase from the AIAA, “I knew” that aerospace engineering was the field for me when, as a middle school student, I got the chance to watch a 777 take-off from what seemed like only a few feet away during the flight testing program. In 2005 I graduated with a BS in Aerospace Engineering from the University of Washington and since then I’ve enjoyed working as a CFD analyst at Analytical Methods Inc. (AMI) of Redmond and as a Loads & Dynamics engineer at TLG Aerospace of Seattle.

During my time at the University of Washington, the support of the local AIAA chapter made it possible for myself and a group of students to start a team to compete in the AIAA Design-Build-Fly competition. We certainly did not win but it was a powerful formative experience that I would like to share with others. As treasurer-elect of the Pacific Northwest chapter for 2012-2013 I look forward to the chance to emphasize educational outreach programs like the design-build-fly competition; aerospace engineering is an exciting field and we should do what we can to spread that message!

Advisory Council Candidate: John Brock



John Brock is an AIAA Associate Fellow having retired from Northrop Grumman Aerospace Systems in 2009 where he was Director of Technology Strategy and Planning and a Technical Fellow. He received a PhD in Chemical Physics from UC Berkeley, was a member of the Air Force Scientific Advisory Board and served on the DSB AGED panel. Currently, he consults in technology management and intellectual property development as well as advanced technology for space systems.

Dr. Brock volunteers in the physics classes at Kingston High School and would like to encourage more connections between Section members and high school students. He is also interested in fostering cooperative programs with other technical societies in the Pacific Northwest.

Advisory Council Candidate: Paolo Feraboli



Paolo Feraboli joined the Department of Aeronautics and Astronautics of the University of Washington in the summer of 2005, as Assistant Professor in Aerospace Structures and Materials. He is the Director of the Advanced Composite Structures Laboratory (ACSL), which was inaugurated in October 2007. The ACSL receives most of its funding from Automobili Lamborghini S.p.A. in Italy. Other significant funding comes from The Boeing Company, the Federal Aviation Administration (FAA), the Japanese Ministry of Defence, and several other industrial partners. The lab has received nationwide and worldwide press coverage through newspapers, magazines and television on several occasions.

Dr. Feraboli's research focuses on the development of analytical and experimental techniques for composite materials. He is particularly interested in composites aircraft safety, including out-of-autoclave material certification, foreign object damage, lightning strike, repair technology, and crashworthiness.

Since 2003, Dr. Feraboli has authored over 30 archival journal publications and presented over 70 conference papers. He is the founding and current Chair of the CMH-17 (former MIL-HDBK-17) Working Group on Crashworthiness, and member of its Board of Directors. He served as past Chair of the Durability and Damage Tolerance Technical Division of the American Society for Composites (ASC), and Secretary of the AIAA Materials Technical Committee. He is the recipient of the 2010 Young Investigator Award of the American Society for Composites, the 2008 Hayashi Memorial International Award of the Japan Society for Composite Materials, the 2004 Outstanding PhD Research Award of the American Society for Composites, and the 2003 SPE Automotive Division Student Award.

Dr. Feraboli earned his Ph.D. at the University of California, Santa Barbara in 2005. In 2007-2008 he worked for the Boeing Company's 787 Technology Integration and Structural Methods & Allowables groups. In 2004-2005 he was visiting researcher at NASA Langley Research

