



1828 L Street, N.W.  
Suite 906  
Washington, D.C. 20036

Tel 202.785.3756  
Fax 202.429.9417  
www.asme.org

TO: Board on Government Relations  
FROM: Kalan Guiley, Chair, WISE Committee  
Donna Michalek, Chair, Federal Fellows Committee  
RE: Programs Committee Report  
DATE: June 14, 2009

---

#### **WASHINGTON INTERNSHIPS FOR STUDENTS OF ENGINEERING (WISE)**

ASME continues to serve as the WISE Steering Committee Chair and has convened a number of meetings with the WISE Steering Committee to review the program, the budget and to help improve the overall program.

The 2009 WISE program will begin on Monday, June 8, 2009, with thirteen interns from seven sponsoring organizations: ASME, AIChE, ANS, ASHRAE, ASTM International, IEEE-USA, and SAE International. The 2009 WISE Faculty Member-in-Residence (FMR) is Dr. Daniel Deckler, professor at the University of Akron and former ASME Congressional fellow. Working with Dr. Deckler and the IEEE-USA Administrator, ASME staff has helped to formulate the content for the 2009 WISE program.

Due to Dr. Bining's withdrawal from the Fellows program, funding was available to support an additional WISE intern in 2009. Therefore, the WISE Committee selected the following two individuals to serve as 2009 ASME WISE interns:

- Cheyenne Alabanzas, senior from the University of Alaska-Anchorage, and
- Joseph Mullenbach, senior from the University of Minnesota.

Both interns accepted the Committee's offer and are excited about spending their summer in Washington learning about the interaction between engineering, technology, and public policy. Both students have expressed interest in focusing their policy papers on an issue related to energy.

In late May, Dr. Barry Hyman, former BGR Vice President and original PI for the WISE program, is submitting a grant proposal to NSF to develop curriculum models from WISE intern policy papers. Dr. Robert Pangborn, Senior Vice President for Strategic Management, submitted a letter of support for the proposal on behalf of ASME. We should learn the outcome of this proposal by IMECE 2009.

IEEEtv has produced a short video about the WISE program, featuring the 2008 WISE interns. ASME staff provided comments to IEEEtv, which were incorporated into the video. The video is available at:  
[http://www.ieee.org/portal/site/ieeetv/menutem.6ce799f946c20d660374ca695bac26c8/index.jsp?&pName=ieee.tv.viewer&path=membport/ieee\\_tv&file=PRD\\_Wise.xml&vid=110529&play=true](http://www.ieee.org/portal/site/ieeetv/menutem.6ce799f946c20d660374ca695bac26c8/index.jsp?&pName=ieee.tv.viewer&path=membport/ieee_tv&file=PRD_Wise.xml&vid=110529&play=true) (The video was made using Quicktime, so one may need to download this software before he or she can view it).

#### **2009-2010 FEDERAL FELLOWS**

Government Relations received a total of 14 applications in response to our promotion of our 2009-2010 Federal Government Fellowships. The Federal Fellows Committee convened a telecon in May to discuss all of the applicants and agreed to schedule interviews with seven of the top candidates. The interviews will be convened in Palm Desert, CA on Saturday, June 13, 2009 from 8:30AM- 5:00PM. ASME will be able to sponsor four Fellowships in 2009-2010. Financial support for two of those Fellowships will be provided by the Board on Government Relations and the remaining two stipends will be covered by funding provided by the ASME Foundation.

#### **ASME 2009-2010 FEDERAL FELLOWS (NATIONAL LABORATORIES)**

The Federal Fellows Committee interviewed the following national laboratory employees in June and agreed to sponsor them as ASME Congressional Fellows. The laboratories will cover their stipends and all expenses:

Matthew Bowen, Ph.D. (National Renewable Energy Laboratory)

- Matt Bowen began serving as an ASME Congressional Fellow in Sen. Mark Udall's office as of June 2009. Matt previously served as a AAAS/APS 2007-2008 Congressional Fellow in the Office of Majority Leader Senator Harry Reid (D-NV). He has prior scientific research experience, having served as an Associate Member of the Michigan Center for Theoretical Physics, as well as private sector experience serving as a Software Engineer, Ensure Technologies in Ann Arbor, MI. He was a Graduate Student at the University of Washington, Seattle, WA from September 2001 until June 2006. Matt earned his Ph.D. in theoretical particle physics from the University of Washington, Seattle in 2006 and his B.S. in physics, with honors, from Brown University in 2000.

Andrew T. Walter (Sandia National Laboratory)

- Andrew (Drew) Walter has been serving as a National Security Analyst at Sandia National Laboratories in Albuquerque, NM since 2004, where he has been involved in Strategic Planning, Policy Analysis, Nuclear Weapons Security, Response and Technologies, and Intelligence Analysis. He served as a Graduate Technical Assistant at the Rochester Institute of Technology from 2002-2004. Drew received his Master of Science in Mechanical Engineering (Fluids/Aerospace Concentration from Rochester Institute of Technology, Rochester, NY and his Bachelor of Science in Mechanical Engineering (Aerospace Option) from Rochester Institute of Technology, Rochester, NY. The House Armed Services Committee is interested in having Drew serve in their office, but the fellowship has not yet been confirmed.

## 2008-2009 Federal Fellows

- Dr. Martin Edelson began his ASME Congressional Fellowship in January 2009 and is currently serving in the office of Sen. Susan Collins (R-ME). Before accepting his fellowship, Dr. Edelson was a Program Manager at the Krell Institute where he was responsible for the successful management of Krell's graduate fellowship programs. He was at the Krell Institute since April 2003; prior to that time he was employed at the Ames Laboratory where he was a research chemist (molecular and atomic spectroscopy), a technology developer (industrial applications of high-powered lasers); involved in educational programs (summer studies for high school students and teachers in mathematics and environmental studies); and an administrator (Program Director for Environmental Technology and Development and for Nuclear Safeguards and Security). Dr. Edelson received his Ph.D. in Physical Chemistry from the University of Oregon, did postdoctoral studies at the University of British Columbia, and has been active in several national professional organizations. He is Past Chairman of the ASME Environmental Engineering Division, and a Member at Large in the ASME Environmental and Transportation Group.
- Joseph Wendler began serving as an ASME Fellow at the U.S. Department of Commerce (DOC) in July 2008. His term will end in June 2009. Joe has been participating in meetings and activities on issues such as conformity assessment, intellectual property rights, trade agreements, manufacturing, etc. Joe has been a staff engineer with ASME's Codes and Standards since 1998. He received his Master of Business Administration in Finance and Investments from City University of New York, Baruch College, Zicklin School of Business and his Bachelor of Science in Mechanical Engineering from Syracuse University, L.C. Smith College of Engineering and Computer Science

Withdrawal:

- Unfortunately, Dr. Avtar Bining, who was expected to begin his ASME Fellowship in January 2009, had to withdraw from the program due to health related issues.

Fellowship terms completed as of February 2009:

- Dr. George Borlase completed his Fellowship with the Office of Science and Technology Policy (OSTP) and recently accepted a position as the Director, Safety and Environmental Compliance Division Office of Marine and Aviation Operations at the National Oceanic and Atmospheric Administration.
- Matthew Allen, who served as an ASME Fellow on the Subcommittee for Emerging Threats, Cybersecurity, Science and Technology, of the Committee on Homeland Security (Minority) has completed his fellowship and returned to Sandia National Laboratory.