

Michele Lawrie-Munro

From: Kathryn Holmes <HolmesK@asme.org>
Sent: Thursday, May 3, 2018 7:51 AM
To: 2018SymposiumAttendees@asme.org
Subject: Symposium Photos & Articles
Attachments: 042418PresentationsEngineeringPublicPolicySymposium.pdf

Dear Colleagues,

Please accept my apologies for the multiple emails, but we just received the photos from the Symposium which are now available to view online at the following location, so I wanted to share them with you:

- <http://www.delgadophotos.com/asme-day-2/>

To download photos, simply check the boxes for the photos you're interested in and click the download link at the bottom of the page. On mobile, you can do same or just tap and hold until the "Save Image" option. Clicking on any of the photos will provide access to larger photos to click through. If you have any difficulty downloading a photo, please contact Ellen Kuo at kuoe@asme.org and she will send it to you.

Finally, some of you have asked us to provide you with an article about the Symposium that you can include in your newsletters. Below are two articles we will be including in our newsletter, ASME Capitol Update. Feel free to revise/personalize the Symposium article to highlight your organizations participation as a Cosponsor.

Again, thank you for joining us for the 15th Annual Engineering Public Policy Symposium!

Warm regards,

Kathryn

45 ENGINEERING SOCIETIES COSPONSOR THE "15th ANNUAL ENGINEERING PUBLIC POLICY SYMPOSIUM" IN WASHINGTON, DC HIGHLIGHTING POLICY ISSUES PERTAINING TO US INNOVATION AND COMPETITIVENESS

Over 150 leaders - the Presidents, Presidents-Elect and Executive Directors - from 45 professional engineering societies, representing more than two million engineers, recently attended the Annual Engineering Public Policy Symposium" which was convened on Capitol Hill in Washington, DC. This is the 15th year that ASME has served as the lead organizer of the event, which was made possible by a grant from the United Engineering Foundation and its Founder Societies: ASME, AIChE, AIME, ASCE and IEEE-USA. The Symposium was convened in conjunction with the National Academy of Engineering (NAE) Convocation and American Association of Engineering Societies.

ASME President Charla Wise welcomed the leaders of the engineering community and thanked them for their continued participation. Wise informed attendees that the focus of the meeting was on policy priorities pertaining to "Federal Investments in Engineering and Science to Spur Innovation and Competitiveness." She briefly discussed some of the findings of the National Science Board report entitled "Science and Engineering Indicators 2018," released earlier this year, which emphasizes that although the United States continues to be the global leader in science and technology (S&T), the U.S. global share of S&T activities continues to decline as other nations - especially China - continue to rise.

Mr. Patrick J. Natale, Executive Director of the United Engineering Foundation, then introduced the Keynote Speaker, Dr. Walter G. Copan, Ph.D., Under Secretary of Commerce for Standards and Technology and Director of the National Institute of Standards and Technology (NIST). Dr. Copan discussed a new initiative entitled "Unleashing American Innovation" and the interactions NIST has been having with the Office of Science and Technology Policy and the inter-agency National Science and Technology Council, as well as stakeholders in the public and private sectors across the

nation to assess and improve the transfer of technology from federally funded R&D to U.S. Additional information on this new initiative and the request for information is provided in the article below.

Next, IEEE-USA President, Sandra “Candy” Robinson introduced Matt Hourihan, Director of the R&D Budget and Policy Program at AAAS, who provided an in-depth review of the status of federal funding for science and engineering research, as well as an overview of the President’s proposed budget request for Fiscal Year 2019 (FY19) that was released in February. Hourihan noted that President Trump signed into law a \$1.3 trillion spending package in March that included significant increases by Congress for federally sponsored scientific research, infrastructure and science, technology, engineering and mathematics (STEM) education.

The Past President of AIChE, Maria Burka, then introduced the next panel session, which included ASCE President Kristina Swallow, who moderated a discussion between Mr. Stephen Bayless, Vice President of Public Policy and Regulatory Affairs with the Intelligent Transportation Society of America, and Mr. Robert Atkinson, President of the Information Technology and Innovation Foundation on *Investing in Traditional and Innovation Infrastructure*. Bayless discussed smart transportation and autonomous vehicles, as well as other emerging technologies that are changing transportation. Atkinson briefly discussed his report entitled “Investing in Innovation Infrastructure to Restore U.S. Growth,” in which he makes the case that the US should consider investments in research and development in the kinds of infrastructure that could be linked to innovation that would enable technological advancements and therefore higher productivity and growth levels.

Later in the morning, ASME President Charla Wise moderated a panel discussion with officials from key federal research agencies on the topic of *Investing in Transformative Technologies*. The panel was comprised of Mr. Michael F. Molnar, Director of the Advanced Manufacturing National Program Office with the National Institute of Standards and Technology (NIST); Dr. Dawn Tilbury, Assistant Director of the Engineering Directorate with the National Science Foundation; Ms. Valri Lightner, Deputy Director (Acting) of the Advanced Manufacturing Office with the Department of Energy’s Office of Energy Efficiency and Renewable Energy; and Mr. Eric Lightner, Director of the Federal Smart Grid Task Force with the Department of Energy’s Office of Electricity Delivery and Energy Reliability. Mr. Molnar and Ms. Lightner discussed how advanced manufacturing technologies and the work of the Manufacturing USA Institutes enable crosscutting innovation in a variety of engineering disciplines. Dr. Tilbury discussed NSF’s 10 Big Ideas which are meant to catalyze interest and investment in fundamental research, which is the basis for discovery, invention and innovation. Finally, Eric Lightner discussed enabling a more secure and reliable electric grid, including resilience against cybersecurity threats and extreme weather events.

To conclude the event, John Speer, Ph.D., AIME President, introduced two ASME Congressional Fellows - Andrew Bicos, Ph.D. serving in Congressman Tom Reed’s (R-NY) office and Shawn Moylan, Ph.D. serving in the office of Senator Gary Peters (D-MI) - joined with Tanya Das, an Optical Society of America-International Society for Optical Engineering/American Association for the Advancement of Science fellow serving in Senator Chris Coons (D-DE) office. They discussed the opportunities and challenges the Fellowships provided, as well as the broad issues portfolios they addressed. In particular, they emphasized the bipartisanship they encountered in moving legislation forward.

The Symposium is designed to inform and engage leaders of the engineering community on public policy issues that are important to advancing research and technology. Engineers play a vital role in meeting the challenges currently facing the nation and our future workforce, and the Symposium provides a platform for them to stay engaged in public policies that affect virtually every aspect of the engineering profession.

At the conclusion of the Symposium, several attendees took the opportunity to meet with their Members of Congress in the U.S. House of Representatives and U.S. Senate to strengthen their relationships with policymakers, inform them of the importance of investments in federally funded research and development, as well as to offer their services as a technical resource to policymakers.

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UNLEASHING AMERICAN INNOVATION INITIATIVE REQUEST FOR INFORMATION AND FORUM ANNOUNCED

The objective of this initiative is to increase the return on investment (ROI) from the roughly \$150 billion annual investment in research and development (R&D). To produce economic gain and maintain a strong national security innovation base, the results must be transferred to private companies to create new products and services. In order to advance the President’s Management Agenda to modernize government for the 21st century, including the associated

Lab-to-Market cross-agency priority (CAP) Goal in coordination with the White House Office of Science and Technology Policy (OSTP), the National Institute of Standards and Technology (NIST) is initiating an effort to refocus Federal technology transfer on sound business principles based on private investment.

NIST requests information from the public regarding the current state of Federal technology transfer and the public's ability to engage with Federal laboratories and access federally funded R&D through collaborations, licensing, and other mechanisms. Responses to this RFI will inform NIST's evaluation of Federal technology transfer practices, policies, regulations, and/or laws that promote the transfer of Federal technologies and the practical application of those technologies, including through commercialization by the private sector. NIST will hold public meetings regarding the initiative and the stakeholder engagement process at the times and locations indicated below.

Please note: The closing date for the RFI is Monday, July 30, 2018. The public forum dates are: May 17th in San Jose California, May 21st in Denver Colorado, May 31st in Chicago Illinois, and June 14th at the NIST Campus in Gaithersburg, MD.

Federal Register Notice Link: <https://www.federalregister.gov/documents/2018/05/01/2018-09182/request-for-information-regarding-federal-technology-transfer-authorities-and-processes>

Direct link to the RFI Website: <https://www.nist.gov/tpo/rfi-response>

From: Kathryn Holmes

Sent: Tuesday, May 1, 2018 1:15 PM

To: '2018SymposiumAttendees@asme.org' <2018SymposiumAttendees@asme.org>

Subject: 15th Annual Engineering Public Policy Symposium: Presentations & 2019 Schedule of Events (Mark your calendars!)

Dear Colleagues,

Thank you for joining us for the "15th Annual Engineering Public Policy Symposium" in Washington, DC last week! We hope you found the meetings to be informative and productive.

The presentations from the meeting are attached. Some of you who were unable to attend had requested the presentations as well, so I've included all of the Executive Directors and their Government Relations contacts on this email. **Please be sure to note the dates for our 2019 events, which are listed below.**

During the Symposium, Dr. Copan announced the following initiative and Request for Information, which was just released. Please feel free to include the following in newsletters to your members (the broader the circulation, the better):

Unleashing American Innovation initiative – Request for Information and Forum Announced

The objective of this initiative is to increase the return on investment (ROI) from the roughly \$150 billion annual investment in research and development (R&D). To produce economic gain and maintain a strong national security innovation base, the results must be transferred to private companies to create new products and services. In order to advance the President's Management Agenda to modernize government for the 21st century, including the associated Lab-to-Market cross-agency priority (CAP) Goal in coordination with the White House Office of Science and Technology Policy (OSTP), the National Institute of Standards and Technology (NIST) is initiating an effort to refocus Federal technology transfer on sound business principles based on private investment. NIST requests information from the public regarding the current state of Federal technology transfer and the public's ability to engage with Federal laboratories and access federally funded R&D through collaborations, licensing, and other mechanisms. Responses to this RFI will inform NIST's evaluation of Federal technology transfer practices, policies, regulations, and/or laws that promote the transfer of Federal technologies and the practical application of those technologies, including through

commercialization by the private sector. NIST will hold public meetings regarding the initiative and the stakeholder engagement process at the times and locations indicated below. Please note: The closing date for the RFI is Monday, July 30, 2018. The public forum dates are: May 17th in San Jose California, May 21st in Denver Colorado, May 31st in Chicago Illinois, and June 14th at the NIST Campus in Gaithersburg, MD.

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- Direct link to the RFI Website: <https://www.nist.gov/tpo/rfi-response>

Finally, the dates for the following events are confirmed, so please mark your calendars:

Dates	Events
Monday, April 15, 2019 (All day)	National Academy of Engineering Convocation
Tuesday, April 16, 2019 (8:00am-1:00pm)	16 th Annual Engineering Public Policy Symposium

AAES will not be partnering with the NAE on the Convocation next year (contact AAES staff at <http://www.aes.org/staff> if you have any questions.)

We look forward to continuing to collaborate with you in the future!

Warm regards,

Kathryn



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