

**THE NATIONAL ACADEMIES**  
*Advisers to the Nation on Science, Engineering, and Medicine*

**Symposium on the Supply Chain for Middle-Skill Jobs:  
Education, Training, and Certification Pathways**

**National Academy of Sciences**

Room 120

2101 Constitution Avenue NW, Washington, DC

**June 24 -25, 2015**

**AGENDA**

**DAY 1: WEDNESDAY, JUNE 24, 2015**

**8:30 AM** **Continental Breakfast**

**9:00 AM** **Introduction**  
Sujai Shivakumar, National Academies

**9:10 AM** **Setting the Stage**  
Senator Jeff Bingaman, Study Chair

**9:30 AM** **Keynote**  
Senator Tim Kaine, U.S Senator for Virginia, co-chair of Senate CTE Caucus

**10:00 AM** **Panel 1: Defining Middle-Skill Jobs**  
▪ *Moderator:* Harry Holzer, Georgetown University  
▪ *Presenter:* Jonathan Rothwell, Brookings Institution  
▪ *Discussants:*  
○ V. Celeste Carter, National Science Foundation  
○ Brendan Lind, LaunchCode  
○ Dan Marschall, AFL-CIO

10:45 AM	<b>Break</b>
11:00 AM	<p><b>Panel 2: Middle-Skill Workers and Today's Labor Market</b></p> <ul style="list-style-type: none"> <li>▪ <i>Moderator:</i> Francine Lawrence, American Federation of Teachers</li> <li>▪ <i>Presenter:</i> Alicia Sasser-Modestino, Northeastern University</li> <li>▪ <i>Discussants:</i> <ul style="list-style-type: none"> <li>○ William Spriggs, Howard University and AFL-CIO</li> <li>○ Peter Cappelli, Wharton Business School</li> <li>○ Manjari Raman, Harvard Business School</li> </ul> </li> </ul>
11:45 AM	<p><b>Panel 3: High School Pathways (Career Technical Education)</b></p> <ul style="list-style-type: none"> <li>▪ <i>Moderator:</i> Gary Hoachlander, ConnectEd</li> <li>▪ <i>Presenter:</i> David Stern, UC-Berkeley</li> <li>▪ <i>Discussants:</i> <ul style="list-style-type: none"> <li>○ Tom Volk, Ohio Belting and Transmission</li> <li>○ Grace Suh, IBM Corporation</li> <li>○ Erin Ward Bibo, District of Columbia Public Schools</li> </ul> </li> </ul>
12:30 PM	<b>Break</b>
12:45 PM	<p><b>Panel 4: Community College Pathways (Advanced Technical Education)</b></p> <ul style="list-style-type: none"> <li>▪ <i>Moderator:</i> Annette Parker, South Central College</li> <li>▪ <i>Presenter:</i> Melinda Karp, Community College Research Center, Columbia University</li> <li>▪ <i>Discussants:</i> <ul style="list-style-type: none"> <li>○ Johan Uvin, Department of Education</li> <li>○ Darlene Miller, PERMAC</li> <li>○ Marilyn Barger, Florida Advanced Technological Education Center of Excellence</li> </ul> </li> </ul>
1:30 PM	<p><b>Lunch</b></p> <p><b>Keynote:</b> John McKernan, U.S. Chamber of Commerce Foundation</p>
2:30 PM	<p><b>Panel 5: Employer-led Training</b></p> <ul style="list-style-type: none"> <li>▪ <i>Moderator:</i> Katharine Frase, IBM</li> <li>▪ <i>Presenter:</i> Robert Lerman, American University</li> <li>▪ <i>Discussants:</i> <ul style="list-style-type: none"> <li>○ Dale Allen, Quinsigamond Community College</li> <li>○ Scott Ellsworth, Business Leaders United for Workforce Partnerships</li> <li>○ James Redstone, House Education and Workforce Committee</li> </ul> </li> </ul>

<b>3:15 PM</b>	<b>Panel 6: Apprenticeships: Learning from Other Countries</b> <ul style="list-style-type: none"> <li>▪ <i>Moderator:</i> Mario Kratsch, German-American Chambers of Commerce of the Midwest</li> <li>▪ <i>Presenter:</i> Andrea Messing-Mathie, Northern Illinois University</li> <li>▪ <i>Discussants:</i> <ul style="list-style-type: none"> <li>○ Eric Seleznow, Department of Labor</li> <li>○ Josh Benton, Kentucky Cabinet for Economic Development</li> <li>○ Stuart Rosenfeld, Regional Strategies Inc.</li> </ul> </li> </ul>
<b>4:00 PM</b>	<b>Break</b>
<b>4:15 PM</b>	<b>Panel 7: Federally-funded Workforce Development</b> <ul style="list-style-type: none"> <li>▪ <i>Moderator:</i> Susan Sclafani, Pearson Foundation</li> <li>▪ <i>Presenter:</i> Carolyn Heinrich, University of Texas – Austin</li> <li>▪ <i>Discussants:</i> <ul style="list-style-type: none"> <li>○ Yvette Chocolaad, National Assn. of State Workforce Agencies</li> <li>○ Maureen Conway, Aspen Institute</li> <li>○ Scott Cheney, Senate HELP Committee</li> </ul> </li> </ul>
<b>5:00 PM</b>	<b>Adjourn to Reception</b>

**\*\*End of Day 1\*\***

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**DAY 2: THURSDAY, JUNE 25, 2015**

<b>8:00 AM</b>	<b>Breakfast</b>
<b>8:30 AM</b>	<b>Opening Remarks</b> Tom Bailey, Columbia University, Study Co-Chair
<b>8:45 AM</b>	<b>Panel 8: Pathways to Careers in Allied Health</b> <ul style="list-style-type: none"><li>▪ <i>Moderator:</i> George Zangaro, HRSA</li><li>▪ <i>Presenter:</i> Bianca Frogner, University of Washington</li><li>▪ <i>Discussants:</i><ul style="list-style-type: none"><li>○ Eleni Papadakis, Washington State Workforce Training and Education</li><li>○ Carolyn O'Daniel, Jefferson Community and Technical College</li></ul></li></ul>
<b>9:45 AM</b>	<b>Panel 9: Pathways for Military Credentialing &amp; Veterans' Transitions</b> <ul style="list-style-type: none"><li>▪ <i>Moderator:</i> David Chu, Institute for Defense Analysis</li><li>▪ <i>Presenters:</i> Susan Carter &amp; Major Brian Miller, U.S. Military Academy</li><li>▪ <i>Discussants:</i><ul style="list-style-type: none"><li>○ Phillip Carter, Center for a New American Security</li><li>○ Matt Notowidigdo, Northwestern University</li><li>○ Wayne Boswell, DoD TVPO</li></ul></li></ul>
<b>10:45 AM</b>	<b>Break</b>

<b>11:00 AM</b>	<b>Panel 10: Data Resources to Support Middle-Skill Workforce Development</b> <ul style="list-style-type: none"><li>▪ <i>Moderator:</i> Jennifer McNelly, Manufacturing Institute</li><li>▪ <i>Presenter:</i> Andrew Reamer, George Washington University</li><li>▪ <i>Discussants:</i><ul style="list-style-type: none"><li>○ Rebecca Rust, Bureau for Labor Statistics</li><li>○ John Dorrer, Jobs for the Future</li></ul></li></ul>
<b>12:00 NOON</b>	<b>Panel 11: Building the Middle-Skill Talent Pipeline and Innovation</b> <ul style="list-style-type: none"><li>▪ <i>Moderator:</i> Rita Colwell, University of Maryland</li><li>▪ <i>Presenter:</i> Robert Sheets, George Washington University, and Jason Tyszko, U.S. Chamber of Commerce Foundation</li><li>▪ <i>Discussants:</i><ul style="list-style-type: none"><li>○ Mary Alice McCarthy, New America Foundation</li><li>○ Kimberly Green, National Association of State Directors of Career and Technical Education Consortium</li><li>○ Byron Zuidema, Department of Labor</li></ul></li></ul>
<b>1:00 PM</b>	<b>Closing Remarks</b> Senator Jeff Bingaman, Study Chair
<b>1:15 PM</b>	<b>Symposium Adjourns</b>