The National Academies of
SCIENCES · ENGINEERING · MEDICINE

**MEETING REGIONAL STEMM WORKFORCE NEEDS IN THE WAKE OF COVID-19:
A VIRTUAL WORKSHOP SERIES**

**Agenda for Workshop #6:
Regional Observances and a National Perspective**

Tuesday, November 10, 2020
1:00 – 4:30PM Eastern Time
Webcast available at https://bit.ly/364gtuY

Workshop Objective:

To summarize the adaptability, challenges, and needs of STEMM workforce training efforts across the nation in the wake of the COVID-19 pandemic.

1:00 - 1:10 PM   Welcome and workshop overview
Committee chair welcomes attendees and provides background on the workshop series
- Chair Jeff Bingaman, former United State Senator for New Mexico

1:10 - 2:00 PM   Regional STEMM workforce training responses in the wake of COVID-19
In this session, committee members will discuss the common themes and key differences across the five cities highlighted in the workshop: Birmingham, Alabama; Boston, Massachusetts; Richmond, Virginia; Riverside, California; and Wichita, Kansas. Panelists will also highlight regional programs with applicability to other regions not examined in the workshop series.
- Ms. Maria Flynn, President and CEO, Jobs for the Future
- Dr. Donna Ginther, Roy A. Roberts Distinguished Professor of Economics and Director of the Institute for Policy & Social Research at the University of Kansas
- Ms. Rachel Lipson, Director of the Project on Workforce, Harvard Kennedy School
- Moderator: Ms. Karen Elzey, Associate Executive Director, WorkCred

2:00 - 2:45 PM   Panel 1: Digital infrastructure to equitably support workforce training
Panelists discuss efforts to improve nationwide broadband access so displaced workers can participate in virtual workforce training programs.

- Ms. Laura Spining, Deputy Associate Administrator, Office of Telecommunications and Information Applications, National Telecommunications and Information Administration
- Mr. Matt Dunne, President and Founder, Center on Rural Innovation
- Dr. Nicol Turner Lee, Director, Center for Technology Innovation
- Moderator: Rick Seltzer, Project Editor, Inside Higher Education

2:45 – 3:30 PM   Panel 2: Key services that support equitable access to workforce training
Panelists discuss higher education and social service strategies to connect displaced workers with training opportunities to meet local STEMM employment needs.
- Ms. Tamar Jacoby, President & CEO, Opportunity America
- Dr. Becky Rowley, President, Santa Fe Community College
- Ms. Paige Shevlin, Director, Policy and National Initiatives, Skillful Central, The Markle Foundation
- Moderator: Scott Gullick, Senior Director of Nest, Research and Design Lab, YearUp

3:30 - 4:15 PM   Panel 3: Future design of workforce training
Panelists discuss how the pandemic's impact on the nature of work will drive new approaches to workforce training.
- Dr. Unique Morris-Hughes, Director of the Department of Employment Services, The District of Columbia
- Mr. David Langdon, Senior Policy Advisor, Department of Commerce
- Dr. Paul Osterman, Nanyang Technological University (NTU) Professor of Human Resources and Management, MIT
- Moderator: Rya Conrad-Bradshaw, Senior Director, Grads of Life

4:15 - 4:30 PM   Workshop Summary
Summary remarks of the key takeaways from the workshop series.
- Chair Jeff Bingaman, former United State Senator for New Mexico

**MEETING REGIONAL STEMM WORKFORCE NEEDS IN THE WAKE OF COVID-19:
A VIRTUAL WORKSHOP SERIES**

Statement of Task

A committee will plan and host a series of six virtual workshops to identify immediate and near-term regional science, technology, engineering, math, and medical (STEMM) workforce needs in the wake of the COVID-19 pandemic. COVID-19 has impacted workforce demand that includes, but is not limited to, data analytics for logistics and operations, health care, manufacturing, agriculture, and IT infrastructure. The workshops will highlight promising practices that 2-year and 4-year higher education institutions, as well as non-academic training and certification programs, can utilize to respond urgently and appropriately to those needs. In this context, effectiveness of the practices will be judged, in part, on the number of learners who can be reached, especially in the skilled technical workforce. A series of five regionally-specific virtual sessions will address the following questions:

- How have the current and near term regional STEMM labor market needs changed as a result of the COVID-19 pandemic, particularly the needs for the skilled technical workforce (e.g., in IT and computing fields, health tech sectors, manufacturing)?
- To what extent can a regional profile be created that links STEMM educational and training resources with COVID-19 impacted workforce needs, including retraining and certification of professionals?
- What practices and policies can local higher education institutions and workforce training organizations adopt to respond to local industry STEMM workforce needs, both individually and as part of regional coalitions? Which effective practices and policies are replicable and scalable? What barriers, if any, exist that inhibit these programs from meeting COVID-19 shifts in regional STEMM workforce needs?
- How can workforce training and education systems address the significant and urgent needs of the underrepresented minority population, which has been especially impacted by the effects of COVID-19? Can the recent events related to the death of George Floyd raise awareness of the disenfranchisement of the nation's underrepresented minority populations that result from institionalized racism, and therefore increase focus on the particular needs of those populations?
- What actions are needed to assist local higher education institutions, training and certification programs, industry, and policy makers at the local, state, and federal levels in fostering improved linkages between education and training resources and STEMM workforce needs at the regional level as a result of the COVID-19 pandemic?

Following the five regional sessions, the Committee will convene a concluding virtual workshop, and a designated rapporteur will prepare a proceedings of the workshop series.