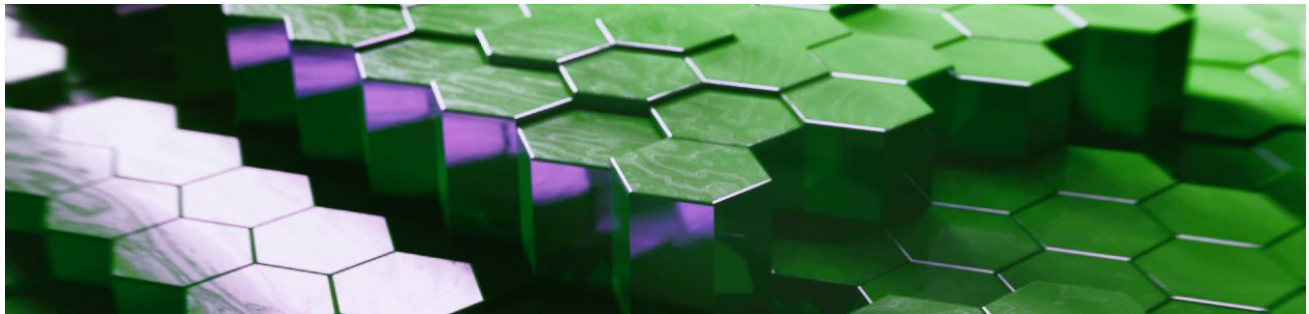


Workshop on Education, Training, and Workforce Needs for Smart Manufacturing



National Academies of Science Building, Members Room
2101 Constitution Ave. NW, Washington, DC 20418

Presented by the Committee on the Options for a National Plan for Smart Manufacturing

Study Chair - **Thomas Kurfess**, Georgia Institute of Technology

Workshop Team Lead: **John W. Sutherland**, Purdue University

Workshop Planning Team Members: **Billy Bardin**, Dow Inc.; **Krystal Castillo**, CyManII; **Susan Houseman**, Upjohn Institute; **Jeannine Kunz**, SME; **William Spriggs**, Howard University

Under the auspices of the National Materials and Manufacturing Board (NMMB)

This workshop will identify challenges in and opportunities for advanced training in smart manufacturing. Specifically, participants will examine approaches and best practices for curriculum development, upskilling current members of the manufacturing workforce and identify education and training programs in science, technology, engineering, mathematics, and design that incorporate diversity, equity, and inclusion

Attendees can register to attend at:

https://events.nationalacademies.org/02-28-2023_workshop-on-education-training-and-workforce-needs-for-smart-manufacturing

Workshop Agenda

February 28, 2023		
9:30 am ET/ 6:30 am PT	Working Breakfast	30 mins
10:00 am ET/ 7:00 am PT	Welcome and Introduction John W. Sutherland , Workshop Chair Sudarsan Rachuri , DOE	30 mins
10:30 am ET/ 7:30 am PT	Speaker: Laine Mears , Clemson University - Q&A moderated by Billy B. Bardin , Dow Inc.	15 mins 15 mins
Panel 1 Perspectives from Employers (Barriers to Education/Training)		
11:00 am ET/ 8:00 am PT	- Paul Boris , independent consultant - Michael Cook , Rockwell Automation - Michelle Pastel , Corning Q+A and General Discussion - Moderated by Dianne Chong , ABET	30 mins 45 mins
12:15 am ET/ 8:15 am PT	Lunch Break	60 mins
Panel 2 Perspective from Educators/Trainers		
1:15 pm ET/ 10:15 am PT	- Marcia Ballinger , Lorain County Community College - Steven Butt , Western Michigan University - Ragu Athinarayanan , Purdue University - Martin Byung-Guk Jun , Purdue University Q+A and General Discussion - Moderated by Soundar Kumara , Penn State University	30 mins 45 min

2:30 pm ET/ 11:30 am PT	Break	30 mins
Panel 3 Perspective from Learners/Workers		
3:00 pm ET/ 12:00 pm PT	<ul style="list-style-type: none"> • Lisa Mayberry-Raymond, UAW and Henry Ford College • Kyle Saleeby, Georgia Institute of Technology 	25 mins
	Q+A and General Discussion - Moderated by Susan N. Houseman , Upjohn Institute for Employment Research	35 mins
Panel 4 Broadening Participation in the Smart Manufacturing Workforce		
4:00 pm ET/ 1:00 pm PT	<ul style="list-style-type: none"> • Shirley Wilcher, American Association for Access, Equity, and Diversity • Craig Scott, Morgan State University • Julie Davis, Association of Equipment Manufacturers 	25 mins
	Q+A and General Discussion - Moderated by William F. Spriggs , Howard University	35 mins
5:00 pm ET/ 2:00 pm PT	Adjourn for the day	