Titan Advanced Manufacturing and Engineering Expo 2024

Zone A: Advanced Manufacturing Education Pathways Forum

Roundtable Discussion Topics

- **Topic 1: Industry-Academia Collaboration**
  - Fostering partnerships to enhance curriculum relevance.
- **Topic 2: Emerging Technologies in Education**
  - Integrating AR/VR, IoT, Apple Technologies, and AI into manufacturing education.
- **Topic 3: Workforce Development Strategies**
  - Addressing skills gaps and preparing students for industry demands.
- **Topic 4: Biomanufacturing Workforce Development**
  - Exploring Workforce Growth, Industry Insights, and Inclusivity in the Biomanufacturing and Biomedical Sector.
- **Topic 5: Innovative Teaching Methods**
  - Engaging students through project-based learning and hands-on experiences.
- **Topic 6: Diversity and Inclusion in STEM**
  - Promoting equity and diversity in manufacturing education.
- **Topic 7: Career Pathways in Manufacturing**
  - Exploring diverse career options and advancement opportunities.
- **Topic 8: Industry 4.0 Skills**
  - Preparing students for the digital transformation of manufacturing.
- **Topic 9: Sustainability in Manufacturing**
  - Teaching eco-friendly practices and green technologies.
- **Topic 10: Professional Development for Educators**
  - Providing resources and training for instructors.
- **Topic 11: Global Perspectives in Manufacturing Education**
  - Learning from international best practices and global trends.

Facilitators for Roundtable Discussions

Table	Roundtable Discussion Topics	Facilitator(s)
1	Industry-Academia Collaboration	Curt Chan/ John Peros
2	Emerging Technologies in Education	David Shieh
3	Workforce Development Strategies	Heather Palermo
4	Biomanufacturing Workforce Development	Angeli Logan
5	Innovative Teaching Methods	Maroun Nehme
6	Diversity and Inclusion in STEM	Dr. Antoinette Linton
7	Career Pathways in Manufacturing	Ron Gill
8	Industry 4.0 Skills	Dr. Rakesh Mahto
9	Sustainability in Manufacturing	Samir Mulgaonkar, P.E
10	Professional Development for Educators	Dr. Sagil James
11	Global Perspectives in Manufacturing Education	Kamy Kashyar