Driving the Agenda to Build an Industry 4.0 Workforce

• The issues are more urgent

• The opportunities are even greater

• Seize the moment to drive change now

American Society for Engineering Education – Automation Alley Industry 4.0 Workforce Initiative & Summit
American Society for Engineering Education – Automation Alley Industry 4.0 Workforce Initiative & Summit

Series of four 90-minute Exchange Sessions every 6 weeks including tie in with CIEC

SUMMIT EVENT Mixed-platform event in April 2021 tied in with EDI

ASEE Annual Conference Mixed-platform consortium component June 2021
American Society for Engineering Education – Automation Alley
Industry 4.0 Workforce Initiative & Summit

Collaborative movement to drive systemic reform and change

A series of 90-minute virtual real-time engagement exchanges

Leading to a mixed-platform summit event in 2021

Inclusive rather than exclusive and transdisciplinary

Establishing a multi stakeholder education consortium
# American Society for Engineering Education – Automation Alley
## Industry 4.0 Workforce Initiative & Summit

Series of 90-minute Exchange Sessions every 6 weeks

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<th>Part 1</th>
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<td>30-minute Reading Roundtable</td>
<td>45-minute Topic Talk Exchange</td>
<td>Recap &amp; Sneak Peak</td>
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<tr>
<td>Short pre-reading paper</td>
<td>Focused topic talk</td>
<td>Session recap &amp; preview</td>
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<tr>
<td>Supplemental video clip</td>
<td>Cross section of speakers</td>
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<tr>
<td>Discussion board / room</td>
<td>Discourse and discussion</td>
<td>Discussion board / room</td>
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<tr>
<td>Two host facilitators</td>
<td>Two host facilitators</td>
<td>Recruit champions / groups</td>
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American Society for Engineering Education – Automation Alley
Industry 4.0 Workforce Initiative & Summit

TENTATIVE SUMMIT AGENDA –

Session I – Leveraging the Digital Domain for Workforce Development

Networking Breakout I – Scale-up Industry-Education Collaboration

Session II - Accelerating Engineering Education Reform to Meet the Demands of the Talent Pipeline

Networking Breakout II - Accelerating Reform

Session III - Industry 4.0 Education, Policies, Perspectives and Pandemics

Session IV - A Town Hall Towards Action: Developing Education 4.0 Roadmaps

Networking Breakout III - Reflections, Connections and Actions

Session V - Driving the Agenda to Build an Industry 4.0 Workforce
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Industry 4.0 Workforce Initiative & Summit

Proposed Road Map

Virtual Kickoff Friday
October 9th, 2020
12 noon-1:30 pm ET

Virtual Exchange Session Friday
Nov. 20th, 2020
12 noon-1:30 pm ET

CIEC Conference / Exchange Session
Week of Jan 25th, 2021, Mixed format

Virtual Exchange Session Friday
March 12th, 2021
12 noon-1:30 pm ET

EDI / I4.0 Summit Event
Week of April 19th, 2021
Mixed format

ASEE Conference I4.0 Session(s) /
Week of June 28th, 2021
Mixed format
Flight Plan for the Summit & Beyond

**Phase 1: Discovery**  COMPLETED @ ASEE ANNUAL CONF.
Building bridges, forming networks

**Phase 2: Development**  SUMMIT PART I – OCTOBER 2020
Forming consortiums to cultivate and refine ideas

**Phase 3: Diffusion**  SUMMIT PART II – JANUARY 2021, at CIEC
Planning to scale breakthroughs and game changers

**Phase 4: Disruption**  SUMMIT PART III – MARCH & APRIL 2021 at EDI
Escalating breakthroughs and game changers

**Phase 5: Report Out** - ASEE ANNUAL – JUNE 2021 & BEYOND
Reporting progress on the Industry 4.0 talent pipeline