Industry 4.0 Workforce Summit Webinar Event

January 29, 2021

<u>Chatline Comments</u>

Are people in the apprenticeship program paid?

Do schools give credit for your apprenticeship program?

Nice present Bosch - Note the first "Digital Industrial Engineer" hired in the world-wide Bosch organization is an Oakland University Industrial & Systems Engineering graduate. Also, Bosch engineers have led, or are currently leading, three I4.0 digital twin projects using Siemens Plant Simulation software in our Senior Design capstone course to-date.

How do these programs align with 4-year engineering programs for internship and employment opportunities?

I'm currently planning for an Industry 4.0 Makerspace at our university. In order to ensure this doesn't become another "craft center", what equipment and learning objectives do you recommend that I incorporate?

You mentioned curiosity in the list of soft skills. Do you think this is a skill that can be fostered in traditional ed?

How are candidates identified and selected for these programs? What's their required skill and knowledge base for entry?

Do your apprenticeship programs address ethics and societal impacts in the development of new technologies?

What tips would you give to other companies to stand up similar apprentice programs? And what tips would you give academic institutions to have a role in such programs?

Great program! Totally agree with selecting for people who demonstrate traits like curiosity and passion, but wondering how traits like these can be assessed in a pool of applicants? We sort of know these characteristics when we see them, but they are very hard to screen for outside of the interview process. Any thoughts?

May we email the panelists?

Great job!

Well done!

Excellent job! Thanks you so much!!

Sorry, my bad - our ISE graduate is at Brose, not Bosch ;(I still really thought it was a great presentation by Bosch and am very impressed by their I4.0 educational efforts.

Regarding the screen from Indiana University...they she use a special software tool to generate this timeline?

Again, how was the visual on slide 19 created?

Are these Modules used at more than one university or are they customized for each university?

Are folks familiar with institutions that have incorporated this IU online content into their curricula, effectively as a textbook? I'm interested if colleges are layering onto that their own guidance and support and then offering the total package for credit.

 Nice presentation - what's your opinion on the education of new engineers concerning Systems Engineering concepts and techniques?

in next run be great to see learning modlues tied to complete 3D model to see where it fits before they build their own then compare learning outcomes

I'm working with two community colleges that recognize they need to develop such programming but, given resource constraints, can't do so. Their students also aren't able to thrive in an online environment. The ability to piggyback on content developed by others would be helpful.

Thanks!

How important is Deep Learning and should we be incorporating this into an Industry 4.0 MakerSpace learning environment?

Wonderful presentation! What is the URL for these materials? Unfortunately, UC does not have access to the Elsevier paper.

How would you advice universities and colleges to go about revising curriculums to bridge the skills gaps as a result of I4. 0

Can you provide a link to the World Economic Forum list of 12?

Thank you for an excellent presentation. I learned a great deal.

Great job - very informative presentation

 Tremendous content from BOTH presentations!

 Fantastic presentations!

Michael Thank you for the VERY informative, robust presentation!

Thanks to all of you.

Excellent presentations! Great work everyone.

 https://www.asee.org/documents/cmc/2020-SURVEY-FOR-SKILLS-GAPS-IN-RECENT-ENGINEERING-GRADUATES.pdf

https://www.weforum.org/reports/the-future-of-jobs-report-2020

 great summary PJ!

@ASEE Thank you for the invitation, Thanks all participants for your time.

Thank you for the links.

Thanks so much to all the panelists and everyone at ASEE! Great session!

 Another great session - congratulations to all involved