



SETTING THE STANDARD

Break Out Session 5.

How we teach and educate students is probably as important as what we teach, how is and will the practice of teaching change for the 21st Century?

A) Project/practice-Based Learning is getting a lot of attention, will it grow and how, if not why?

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A) Project / Practice Based Learning

Students Love It (Dislike at the same time – due to amount of work required)

Industry Needs It

Faculty Raise the Issues

- Time Required to Implement
- Efficiency of Scale Lacking
- Resistance to Change
- Balance Depth vs. Breadth

Deep Learning a Requirement

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- \$'s Funding Model to Implement and Sustain

B) Why would practice based learning be of interest to professors trained in analysis, theory and science?

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Professors of Practice

Notion of transitioning senior faculty with less research (now, currently) interest to **apply** their prior efforts

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C) Is the professional school (similar to medicine architecture, or law, etc.) a good idea – taking students into engineering after they complete (or almost complete) a BS degree?

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C) Is the professional school a good idea?

“Good Idea, can’t be successful”

Global Competition

Want the breadth, can’t sacrifice the depth

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D) What would an ideal professional program contain? (Legacy for your program)

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(Legacy for your program)**

Time for New Ideas

New Faculty

Mechatronics and Similar Examples

Creativity, Innovation, Invention Skills

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