

TI Engineering Lab opening at Univ Central Florida, 09/14/2014

Senior Vice President, Brian Crutcher



Key Points

- UCF, you have truly listened and responded to industry inputs on how to better prepare students to be innovators and we commend you for that.
- We believe it is important for students to work with the same tools we use in industry and we hope they will turn to TI for the latest technology to create new products - products we hope will help them change the world for the better,
- On behalf of Texas Instruments, we are excited for the university and for the students that will benefit from this visionary space. We look forward to all the great things that will be accomplished here and all the great engineers and leaders that will be produced.

Introduction

- Good morning, I'm Brian Crutcher and I'm pleased to be here today, along with my fellow Tiers.
- I am a UCF alum from the class of 1995, and I currently serve on the Dean's Advisory Council.
- It is an honor for TI to be a part of this, sponsoring the TI Innovation Lab.
- This Center creates an ecosystem which brings together students of all disciplines for the purpose of innovation and fosters a more project-based collaborative environment that will help great minds come together to solve today's engineering challenges.
- We believe it is important for students to work with the same tools we use in industry and we hope they will turn to TI for the latest technology to create new products - products we hope will help them change the world for the better
- To further facilitate this, we are committed to supplying the lab with our latest development kits that support the maker community.
- I can tell you that the various university labs that are dedicated to gathering, brainstorming, prototyping and manufacturability, very closely mirror how innovation happens in industry.
- UCF, you have truly listened and responded to industry inputs on how to better prepare students to be innovators and we commend you for that.

Honoring Gene Frantz

- Speaking of innovators graduating from University of Central Florida, with us today is retired TI Principal Fellow, Gene Frantz. Gene graduated at the top of UCF's first engineering class and is here being honored with a wonderful memento inside the TI Innovation Lab.
- In 1978, Gene led the TI design team that created the world's first digital signal processing chip, which was first demonstrated in Speak & Spell, a learning device for children.
- Gene is widely regarded as the Father of Digital Signal Processing and will be giving an inspiring "Tech Talk" today at 5:00.
- The Speak & Spell is still a great example of multi-disciplinary teamwork, merging engineering and education together to create a completely new way to help kids develop early reading skills.
- The type of inspiration that brought about Speak & Spell and other innovative products is certainly present here at UCF today and poised to play out in this new Innovation Center environment.

Eli²

- While it is highly important to develop skilled technical innovators, we, like UCF, recognize a need for more leaders in industry.
- That is why we are excited about the potential of eli², the umbrella for UCF's engineering leadership training curriculum, and we are gratified to see how the principles are being infused into every aspect of the new center.
- eli², coupled with UCF's participation in the Foundation for Engineering Education for Distributed Energy Resources or FEEDER, could well produce the next big idea in smart sensors.
- This of course will be augmented with the added boost that is expected to come from the \$61 million award UCF recently received in partnership with Osceola County and the Florida High Tech Corridor Council to establish a state-of-the-art research and incubation facility for next-generation universal smart sensors.
- It is not an overstatement to say that the sun is shining on UCF, with all the pieces being put in to place to have the university become a real hub for Power curriculum and smart grid technologies.
- In closing, on behalf of Texas Instruments, we are excited for the university and for the students that will benefit from this visionary space. We look forward to all the great things that will be accomplished here and all the great engineers and leaders that will be produced.

Thank you again for allowing TI to be a part of this.