



Life Long Learning – Sharing experience from Purdue University

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Key messages:

- Huge increase in need of LLL education – 20% goal
- Experience from Purdue University
- Next step



KTH delegation to USA May 2022

- [Delegation paves the way for new research collaborations with the US | KTH](#)
- **Purdue: a hub for the aerospace industry**
- The delegation then split into different groups to make several separate visits to universities and research labs in the eastern US. Each location had its own coordinator and Bertling Tjernberg was responsible for the visit to Purdue University together with Johan Blaus, Director Strategic Partnerships and Business Co-operation.
- “It was difficult not to be impressed by the opportunities available at Purdue to conduct full-scale research. Many universities in the US own their own land and have substantial resources and great opportunities to implement and test innovations. We visited the airport on campus, which is impressive due to the number of aircraft available for student training and a hangar that is available for the testing and development of drone technology.” Lina Bertling Tjernberg



In summary – LLL at Purdue University

- Purdue University is becoming a leader in online education for advanced degrees, bachelor's degrees for non-traditional students, and reskilling and upskilling offerings for business and industry.
- The goal is to become Best in Class for online education.
- The College of Engineering is already delivering top-quality programs at-scale in a wide variety of Engineering disciplines, several of which are ranked #1 in the country.
- In addition, the College of Engineering offers a number of digital badges for upskilling working professionals, some of which are in partnership with industry. This talk will also discuss strategies in innovation including personalized learning and virtual labs.



Speaker Introductions – Dr. Gary R. Bertoline

- **Dr. Gary R. Bertoline** is Senior Vice President Purdue Online and Learning Innovation and a Distinguished Professor of Computer Graphics Technology and Computer & Information Technology at Purdue University.
- He is leading the development and growth of Purdue Online programs to serve working professionals and address the workforce needs of industry.
- He is also one of the leads in the Transformation Education 2.0 initiative at Purdue to improve undergraduate teaching and learning.



Speaker Introductions – Dr. Dimitrios Peroulis

- **Dr. Dimitrios Peroulis** is the Reilly Professor and Michael and Katherine Birck Head of the Elmore Family School of Electrical and Computer Engineering at Purdue University.
- He also serves as a special adviser to the Dean of Engineering on online learning.
- He is an IEEE Fellow and has co-authored over 380 journal and conference papers.
- In 2019 he received the “Tatsuo Itoh” Award and in 2014 he received the Outstanding Young Engineer Award both from the IEEE Microwave Theory and Techniques Society (MTT-S).
- He has been a Purdue University Faculty Scholar and has also received ten teaching awards including the 2010 HKN C. Holmes MacDonald Outstanding Teaching Award and the 2010 Charles B. Murphy award, which is Purdue University’s highest undergraduate teaching honor.