



Chartered Engineers Pacific

(Formerly Western Canada Group of Chartered Engineers)

<http://www.charteredengineerspacific.ca>

NOTICE OF EVENING PRESENTATION Wednesday, 15th May 2019, 7 to 9 pm

Venue: Conference Rooms, Accent Inns, Burnaby
3777 Henning Drive, Burnaby V5C 6N5 Tel: 604-473-5000

Topic:

Bridging the gap from university to employment: The 4th year Capstone design course at UBC

Speaker: Dr. Paul Lusina, P.Eng



"People will create the jobs of the future, not just train for them, and technology is already central."

-Jonathan Grudin, Principle Researcher, Microsoft

The quickly changing skills market presents a significant challenge for businesses to recruit employees who fit with their company and who have the skills to adapt. The 4th year Capstone design course addresses this challenge by pairing teams of students with industry or community clients to tackle significant design problems. By working on real-world problems, students apply their technical skills and develop their soft skills such as communication, teamwork and leadership. In turn, clients benefit by engaging with graduating students resulting in new hires, development of IP, and exploration of new technology. This presentation introduces current challenges in engineering education and describes how the 4th year Capstone design course benefits both students and our industry / community partners.



Speaker's BIOGRAPHY

Dr. Paul Lusina, P.Eng. is a lecturer in the department of Electrical and Computer Engineering at the University of British Columbia. Paul believes that industry and community partnerships are an ideal vehicle for incorporating the latest pedagogical best practices in order to prepare the next generation of engineers for a constantly changing technological landscape. To this end, he co-designed the current 4th year Capstone engineering design course that partners students with community clients. Paul is curious about people. He either taught, worked or studied in Canada, Germany, India, Finland and Quebec. His professional engagement includes volunteering with the Vancouver sections of the IEEE and EGBC and he is currently a director with the Pacific Energy Innovation Association. Paul draws on these experiences to inform his teaching. In time of difficulty, Paul reflects upon the wisdom of the famous electronic circuits guru K.C. Smith's motto of "trial and success", which captures the mindset of the engineering profession.

Awards

- NSERC Post-Doctoral Industrial Research Fellow
- NSERC Post-Doctoral Research Fellow
- University of Ulm Germany, International Scholarship

No Registration Required:

50 seats are available, *first-come-first seated*. This event is provided free of charge, includes a coffee/snacks table and welcomes all interested members and guests.

Excellent opportunity to network among multi-discipline engineers and others!