



# Biomedical Engineering Seminar Series

2nd Semester, Academic Year 2018

Date: January 15, 2019

Time: 11.00 AM-12.00 PM

Room 6373, 3<sup>rd</sup> level, Building 3,

Faculty of Engineering; Mahidol University



**Prof. Panadda Marayong, Ph. D.**

**Department of Mechanical and Aerospace Engineering**

**Director, CSULB BUILD Research Enrichment Core**

**California State University, Long Beach**

**"Integrating the Sense of Touch in Human-Machine Systems & Study Aboard Opportunities at CSULB"**

Haptics is a sub-field of robotics that involves development and integration of the sense of touch in human-machine systems. Haptic systems provide the operator with a realistic and immersive experience in virtual and teleoperated environments through a display of force and/or tactile feedback. Development of haptic systems involves knowledge in robotics, human psychophysics, and engineering psychology. It offers a wide range of applications including biomedical technology, consumer products, rehabilitation, and remote exploration. The presentation will give an overview of the field, its applications, current and future research trends. The presentation will also introduce California State University, Long Beach, its academic programs, and study abroad opportunities for Mahidol students and faculty.

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