Biomedical Engineering Seminar Series

2nd Semester, Academic Year 2017

Date: January 30, 2018
Time: 11.00 AM – 12.00 PM
Room 6373, 3rd level, Building 3,
Faculty of Engineering; Mahidol University

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"3D Printing Technology: A Revolution in Medical Device Manufacturing"

Nowadays, innovation save lives and improve the quality of the health care. 3D printing, also known as additive manufacturing, is one of emerging technology, which could change the world of medical device manufacturing in the years to come. This technology empowers doctors, engineers and medical device manufacturers to work faster to create personalized products from a 3D computer-aided design (CAD) models based on digital images from non-invasive patient diagnostic scans. With 3D printing, medical devices can be made to exacting specification in an accurate size and shape with very tight tolerances to ensure an optimal fit inside the patient. In this seminar, the content will cover the fundamentals of 3D printing and their techniques. Moreover, the overview of the applications, challenges and opportunities of 3D printing in the medical field will be discussed.

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