

WOH HUP Distinguished Lecture

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Department of Civil and Environmental Engineering

Recent Developments in Construction Automation and Robotics Applications in the USA

By

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WOH HUP Visiting Professor, NUS

Date: Tuesday, 14 Jan, 2020
Registration & refreshment: 3.30 pm to 4.00 pm at EA Foyer
Time: 4.00 pm to 6.00 pm
Venue: Engineering Auditorium
Faculty of Engineering,
National University of Singapore



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Abstract

This lecture summarizes the current state of application of construction automation and robotics in the USA. Select examples of robot-performed construction tasks on-site and off-site will be presented, including brick masonry wall construction, steel reinforcement assembly, excavation, crane hoisting control, legged and wheeled locomotion applications, and others. An overview of robot technology developers and their business plans for the near future will be provided based on the survey of over 50 firms currently active in construction robot design and development.

Speaker Biography

Professor Miroslaw J. Skibniewski works at the Center for Excellence in Project Management in the Department of Civil & Environmental Engineering of the University of Maryland, College Park, USA. He directs the [e-Construction Group](#), a diverse team of doctoral students



and post-doctoral research associates working on innovative applications of information and automation technologies for use by construction business and project organizations.

Prior to his current position, Prof. Skibniewski was a Professor of Civil Engineering, Construction Engineering and Management at Purdue University in West Lafayette, Indiana, USA. Prior to his academic career, Prof. Skibniewski worked as a project engineer for the oldest construction engineering consulting firm in the USA, founded in 1881. He holds an M.Eng. degree in Civil Engineering from Warsaw University of Technology in Poland, as well as M.S. and Ph.D. degrees from Carnegie Mellon University in Pittsburgh, Pennsylvania, USA. Prof. Skibniewski is Editor-in-Chief of [Automation in Construction](#), an international research journal published by Elsevier.

General Enquiry/Registration: Ms Norela Tel: 6516 4314, Email: nor@nus.edu.sg

*****Seats are limited. Please register early. All are welcome and admission is free*****

Location Map

