



Biomedical Engineering Seminar Series

2nd Semester, Academic Year 2015

Date: February 9, 2016

Time: 11.00 AM-12.00PM

Room R-114, 1st level, Building 1,
Department of Biomedical Engineering,
Faculty of Engineering;
Mahidol University



Dr. A.M. Harsha S. Abeykoon,

Assistant Professor

**Industrial Systems Engineering,
School of Engineering and Technology,
Asian Institute of Technology**

"Sensorless sensing for Bilateral teleoperation"

Accessibility for remote locations could be easily overcome by teleoperation. When manipulating an object at a remote place, it is beneficial if the operator is capable of feeling force and position information including the environmental object impedance for successful remote manipulation. In this speech he introduces a force sensorless sensing technique used in bilateral teleoperation. Applications ranging from Tele-surgery to Brake by wire systems will be discussed with experimental videos.



Department of Biomedical Engineering, Faculty of Engineering, Mahidol University

<http://www.eg.mahidol.ac.th/dept/egbe/>

Email: matchima.rat@mahidol.ac.th

Tel: +662-889-2138 Ext: 6351-2, 6367

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