

Robot Human Integration

Date: Friday, 11 November 2011
Time: 12:30 - 13:15
Venue: Theatre A, Chow Yei Ching Building

Speaker:

Prof. Y.S. Hung
Department of EEE,
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* There will be a more relaxing Q&A section from 13:15 - 14:00. Food will be served in Rm 603, Chow Yei Ching Building.
Please feel free to come up and chitchat more!



<http://www.eee.hku.hk/news/seminars.html>

Abstract:

Early robots were designed to mimic the human arm for performing repetitive operations in manufacturing industries. Nowadays, an amazing range of robots from humanoid to surgical robots are available for all kinds of applications.

A natural development in robotics is to fit the limb-like robot manipulator on human, for restoring motion faculty for the disabled, or enhancing the capability of a healthy person. In this talk, we will look at some existing approaches for attaching a robot arm to a person as an integral component, and some technologies relevant to robot human integration.

Biography of the Speaker:

Professor YS Hung has extensive experience in control system design and its applications. He has previously collaborated with industrial companies including ICI and Hong Kong Electric Co. Ltd., and was a technical consultant to ASM Assembly Automation Ltd. during 2003-07. His research interests are in the areas of robust control and filtering theory, system modeling, robotics, computer vision, and more recently, biomedical engineering and machine learning techniques for bioinformatics. He has published one book, several book chapters, and over 150 papers in international journals and conferences.

For more of his bio, please visit: <http://www.eee.hku.hk/people/yshung.html>