

PH.D. PROGRAM IN EMPOWERMENT INFORMATICS

2016 THE 2ND MEETING OF EMP SEMINAR SERIES

Program for Leading Graduate Schools
Held by Ph.D. Program in Empowerment Informatics
Host: Masakazu Hirokawa, Assistant Professor,
Faculty of Engineering, Information and Systems



Mathematical Modeling of Comfort in Human Location and Its Application to Human Machine Systems



Comfort is important to increase usability of human machine systems. It is, however, difficult to quantify the comfort due to its ambiguity.

In our laboratory, the Human Robotics Lab., conducts researches on cybernetic modeling of humans including sensory processing regarding our motions and applies it to design and control problems of human machine systems.

In this lecture, Prof. Wada will introduce mathematical modeling of motion sickness and its application to comfort motion control of the automated vehicles. He will also talk a control method of transfemoral prostheses with high comfort.

Date & Time

November 21, 2016 (MON.)
12:00 - 13:00

Venue

Empowerment Studio

Presenter

Takahiro Wada

Professor, Ritsumeikan University

1999 PhD degree from Ritsumeikan Univ. in Robotics
1999 Research Associate, Department of Robotics, Ritsumeikan Univ.
2000 Assistant Professor, Department of Intelligent Mechanical Systems, Kagawa Univ.
2003 Associate Professor, Kagawa Univ.
2012 Full professor, College of Information Science and Engineering, Ritsumeikan Univ.
2006-2007, Visiting Scholar, University of Michigan, Transportation Research Institute