

The Institute of Science and Engineering Workshop

Workshop on Exploration of Intelligence bridging Machines and Nature

Cosponsored by the Institute of Science and Engineering, Ritsumeikan University
and 21st Century COE Program Micro Nanoscience Integrated Systems

Date 12/11 (Monday) 13:00 - 17:00

Place Room K310 (Epoch Ritsumei 21), Biwako-Kusatsu Campus,
Ritsumeikan University

Schedule

13:00 – 13:10 Opening - Professor Suguru Arimoto

13:10 – 14:40 Special talk

Professor Jean-Jacques Slotine, Massachusetts Institute of Technology

Modularity, synchronization, and what robotics may yet learn from the brain

14:40 – 15:00 Coffee break

15:00 – 15:30

M. Yoshida, Ritsumeikan University

**Modeling and computer simulation of 3D object grasping and manipulation
by dual fingers under nonholonomic constraints**

15:30 – 16:10 Invited talk

Koichi Osuka, Kobe University

**Dynamics based control of legged robot - Implicit feedback structure in
passive dynamic walking**

16:10 – 16:20 Break

16:20 – 17:00 Invited talk

Hiroshi Mochiyama, Nagoya Institute of Technology

Hyper-flexible robotic manipulator

17:00 – 17:10 Closing – Professor Shinichi Hirai