

Séminaire ISIR

Prof. Masayuki Inaba



Lundi 10 Septembre 2012 à 16h00

Campus Jussieu, 4 place Jussieu, 75005 Paris
ISIR - Salle de réunion 304, Tour 65, 3^{ème} étage

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Talk Title:

Inheriting and Evolving the Infrastructure for Systems and Devices of Humanoid and Home Assistance

Abstract:

The talk will introduce historic and ongoing activities of the research and development at the JSK Robotics Lab, University of Tokyo (<http://www.jsk.t.u-tokyo.ac.jp/research.html>) including hand-eye coordination, tracking vision, vision-based robotics, remote-brained approach, whole-body behaviors on humanoids, devices for robot sensor suit, series of musculoskeletal spined humanoids, powered systems for human-performance humanoid, learning and assistive activities on HRP2 and PR2, and the development of the infrastructure such as common software architecture for all robots in JSK.

Masayuki Inaba is a Professor in Graduate School of Information Science and Technology at the University of Tokyo. He received B.S of Mechanical Engineering in 1981, M.S and Dr. Degrees of Information Engineering from The University of Tokyo in 1983 and 1986 respectively. He was appointed as a lecturer in 1986, an associate professor in 1989, and a professor in 2000 at The University of Tokyo. His research interests include key technologies of robotic system, humanoid and software architecture for advanced robots. His research projects have included hand-eye coordination in rope handling, vision-based robotic server system, remote-brained robot approach, whole-body behaviors in humanoids, robot sensor suit with electrically conductive fabric, musculoskeletal humanoid development, humanoid specialization for home assistance, and developmental integration systems with open source robot platforms.

Sous la co-tutelle de

He received several awards including outstanding Paper Awards in 1987, 1998 and 1999 from the Robotics Society of Japan, JIRA Awards in 1994, ROBOMECH Awards in 1994 and 1996 from the division of Robotics and Mechatronics of Japan Society of Mechanical Engineers, and Best Paper Awards of International Conference on Humanoids in 2000 and 2006 with JSK Robotics Lab members.