



## Séminaires ISIR

Tatsuo ARAI

26 Novembre 2013 à 15h00

Campus Jussieu, 4 place Jussieu, Paris  
Salle de réunion H20

**Titre :** Robotics research activities at Osaka University

**Résumé :**

Osaka University has active research in various topics inside the field of robotics. Prof. Tatsuo Arai will present several of these activities, including work in micro-robotics, such as micro-manipulation, micro-haptics and multi-scale manipulation, but also design of limb mechanisms, work on legged and humanoid robots, and in ubiquitous robotics.

**Bio :**

Tatsuo Arai received B.S., M.S. and PhD degrees from the University of Tokyo in 1975, 1977, and 1986 respectively. He joined the Mechanical Engineering Laboratory, AIST, MITI (now METI) in 1977, and was engaged in research and development of new arm design and control, mobile robot, teleoperation, and micro robotics. He stayed at MIT as a visiting scientist in 1986-1987. He moved to Osaka University in 1997 and since then he has been a full professor at the Department of Systems Innovation, Graduate School of Engineering Science. His current research topics are mechanism design including parallel mechanisms, legged working robot, micro robotics for bio applications, humanoid robot, haptic interface. He is a member of IEEE, the International Association of Automation and Robotics in Construction (IAARC) and the Robotic Society of Japan (RSJ).