

Séminaire Hiroko KAMIDE

*Mercredi 18 mars 2015 à 16h00
Campus Jussieu, 4 place Jussieu, Paris
Salle de réunion 304, ISIR*

Psychological Well-being of “ANSHIN” in Human-Robot Interaction

We aim to discover the basic factors for determining Anshin of humanoids from the viewpoint of potential users and to develop a new psychological scale to measure the degree of Anshin quantitatively. Anshin is a prevailing concept of subjective well-being that Japanese people psychologically feel toward their life with artificial products including service robots. To examine the factors that determine Anshin of humanoids from a lay person's perspective, we studied the responses of 919 Japanese who observed movies of 11 humanoids and then freely described their impressions about what Anshin of each humanoid meant to them. The descriptions were classified into several categories to develop the items of a new scale. Subsequently, 2,624 different Japanese participants evaluated the same 11 humanoids using the new scale. Factor analysis revealed five factors of Anshin: Comfort, Performance, Peace of mind, Controllability, and Robot-likeness. Additionally, we compared these factors between Japanese and American in relation to anthropomorphic robots. The result showed Americans tend to evaluate these factors higher toward any anthropomorphic robots than Japanese whereas Japanese tend to feel less Anshin toward robots with negative anthropomorphic features. The usability and implications of the new scale are discussed.

Short Bio: Hiroko Kamide received the M.S degree in Human Sciences from Osaka Univ., Japan, in 2005, and PhD. Degree in Human Science from Osaka Univ., Japan, in 2008. Since April 2007, she has been a Research Fellow of the Japan Society for the Promotion (DC2) and since April 2008, she has been a Research Fellow of the Japan Society for the Promotion (PD). Since December 2009, she has been a Specially Appointed Assistant Professor with the Department of Systems Innovation, Graduate School of Engineering Science, Osaka University, Osaka, Japan. Her research interests include human's well-being, close interpersonal relationships, psychological evaluation of robots, and human-robot interaction. Dr. Kamide is a member of the Robotics Society of Japan, The Japanese Psychological Association, The Japanese Society of Social Psychology, Society for Personality and Social Psychology, and The Japan Association of Applied Psychology.