



France-Japan Meeting on Technologies for Helping People with Physical Disabilities

Thursday, September 30th, 2010
Embassy of France in Japan, Tokyo
Seminar Room - 1F

Access: see www.ambafrance-jp.org/spip.php?article288

Program

Time	Event
08:15-08:45	Registration (Embassy of France, 1st Floor)
08:45-09:00	Opening Remarks Florence RIVIÈRE-BOURHIS, Counselor for Science and Technology, Embassy of France Pierre DAUCHEZ, Attaché for Science and Technology in charge of ICT, Embassy of France
09:00-9:40 Moderator: P. Dauchez	Introductory Speech: The need for interdisciplinary cooperation to address issues related to aging and physical disabilities Gentiane VENTURE, Tokyo University of Agriculture and Technology, Japan
9:40-11:00	Session 1: Robotic Technologies Moderator: Philippe Souères, LAAS-CNRS, Toulouse, France
9:40-10:10	Physical assistant technologies in Japan Yoshihiko NAKAMURA, The University of Tokyo, Japan
10:10-10:40	Rehabilitation and assistive robotics activities in France Thierry KELLER, Fatronik-Tecnalia Research Foundation, Spain and France
10:40-11:00	Questions and answers
11:00-11:20	Break
11:20-12:40	Session 2: Functional Electrical Stimulation (FES) and Neuroprostheses Moderator: Philippe Fraise, LIRMM, Montpellier, France
11:20-11:50	Development of the technology in FES and related areas in Japan Kazunori SEKI, Sendai School of Health and Welfare, Japan
11:50-12:20	FES: advanced technology for sensory motor deficiencies rehabilitation - past and trends David GUIRAUD, LIRMM and INRIA, Montpellier, France
12:20-12:40	Questions and answers
12:40-13:50	Luncheon

Time	Event
13:50-15:40	Session 3: Social and Political Aspects Moderator: Yoshihiko Nakamura, The University of Tokyo, Japan
13:50-14:20	French research programs in health technology and ambient assisted living Christian ROUX, Télécom Bretagne, Brest, France
14:20-14:35	A transdisciplinary accompaniment to meet the needs and expectations of persons searching for autonomy Pascal JACOB, "I=MC2" Association, Paris, France
14:35-14:50	How to include in public policies and professional habits the use of technologies as modalities for accompaniment Maryvonne LYAZID, "Caisses d'Epargne pour la Solidarité" Foundation, Paris, France
14:50-15:00	Questions and answers
15:00-15:30	Accessible Design - New Subcommittee in ISO TC 173 Shigeru YAMAUCHI, Waseda University, Tokyo, Japan
15:30-15:40	Questions and answers
15:40-16:00	Break
16:00-17:20	Session 4: Clinical Aspects Moderator: Kazunori Seki, Sendai School of Health and Welfare, Japan
16:00-16:30	Science-based approach toward restoring locomotion after spinal cord injury Noritaka KAWASHIMA, National Rehabilitation Center, Tokorozawa, Japan
16:30-17:00	Experiences feedback on the use of implanted neuro-orthoses in severe motor impairment for patients with spinal cord injury Charles FATTAL, PROPARA Neurologic Rehabilitation Center, Montpellier, France
17:00-17:20	Questions and answers
17:20-17:40	Break
17:40-18:50	Debate Moderators: Gentiane Venture, Tokyo University of Agriculture and Technology, Japan Philippe Fraisse, LIRMM, University of Montpellier, France Mitsuhiro Hayashibe, LIRMM and INRIA, Montpellier, France
19:00-21:00	Reception

Special presentations during the breaks

Time	Event
11:00-11:20	<p>ASSIST: assistive robot for quadriplegic patients (video projection) Philippe FRAISSE, LIRMM, Montpellier, France</p> <p>Robotic Arm for Persons with Upper-limb DisAbilities: RAPUDA (video projection) Woo-Keun YOON, AIST Tsukuba, Japan</p>
12:40-13:50	<p>A cycling wheel-chair (actual demonstration) Kazunori SEKI, Sendai School of Health and Welfare, Japan</p> <p>Wearable sensing system for continuous blood pressure monitoring (actual demonstration) Guillaume LOPEZ, The University of Tokyo, Japan</p> <p>Proposal of a muscle activation level control method for limbs during motion and its application to strength training (poster) Satoshi KOMADA, Yosuke MURAKAMI, Junji HIRAI, Mie University, Japan</p> <p>Gait rehabilitation system by using a locomotion interface (video projection) Hiroaki YANO and Hiroo IWATA, University of Tsukuba, Japan</p> <p>“ROBORIOR” and “RODEM” (video projection) Yoichi TAMAMOTO, Shin-ichiro TAKASUGI, Yuji KAWAKUBO, Tmsuk Co., Ltd., and Kyushu University Hospital, Japan</p>
15:40-16:00	<p>3D gesture-interface for reduction of digital divide and physical rehabilitation in people with disabilities (video projection) Kiyoshi HOSHINO, University of Tsukuba, Japan</p> <p>Design rule of user-robot interaction on mobile robot step-on interface (video projection) Takafumi MATSUMARU, Waseda University, Kitakyushu, Japan</p>
17:20-17:40	<p>The role of the CEREMH as the National Centre of Expertise for Mobility and the collaboration with the Laboratory of Engineering Systems (LISV) of the University of Versailles (video projection) Peter WAGSTAFF, CEREMH, Vélizy, France</p>