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RÉPUBLIQUE FRANÇAISE

AMBASSADE DE FRANCE
AU JAPON

SERVICE POUR LA SCIENCE
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supported by



France - Japan Seminar Medical and Surgical Robotics

Thursday, November 8, 2012

Embassy of France in Japan, Tokyo, Main Conference Room - 1F

08:40-09:00 Registration (Embassy of France, 1st Floor)

09:00-09:45	Opening & Introduction
09:00-09:05	Opening Remarks Florence RIVIÈRE-BOURHIS (Counselor for Science and Technology, Embassy of France)
09:05-09:25	Introduction: Future trend on medical and rehabilitation robotics Masakatsu FUJIE (Waseda University)
09:25-09:45	Introduction: Robotics in Public Healthcare: French background, laboratories of excellence and collaboration opportunities Philippe POIGNET (LIRMM), Bernard BAYLE (LSIIT)

09:45-11:25	<u>Session 1</u>: Computer aided medical interventions / New trends in surgical robotics (Part 1) Moderator: Masakatsu FUJIE
09:45 -10:10	New techniques in orthopaedic surgery Eric STINDEL (LATIM)
10:10-10:35	Robotically-assisted surgery in neurosurgery - Tactic and strategic robot system Hiroshi ISEKI (Tokyo Women's Medical Univ. / TWIns)
10:35-11:00	Recent advances in NOTES surgery and interventional radiology Nabil ZEMITI (LIRMM)
11:00-11:25	The Future of Surgical Robots Mamoru MITSUSHI (The University of Tokyo)

11:25-11:45 Group Photo and Coffee Break

11:45-13:00	<u>Session 2</u>: Computer aided medical interventions / New trends in surgical robotics (Part 2) Moderator: Viviane PASQUI
11:45-12:10	Robotization and control of flexible endoscopes for minimally invasive surgery Florent NAGEOTTE (LSIIT)
12:10-12:35	The present situation of robotic surgery for gastrointestinal cancer in Japan Ichirô UYAMA (Fujita Health University)
12:35-13:00	Comanipulation for assistance to surgical gesture Guillaume MOREL (ISIR)



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13:00-14:00

Luncheon Break

14:00-15:40	Session 3: Assistive and rehabilitation robotics / Brain and Machine Communication Moderator: Hiroshi KOBAYASHI
14:00-14:25	Clinical evaluation of WALKY robotic walker Viviane PASQUI (ISIR)
14:25-14:50	Brain Machine Interface (BMI) neurorehabilitation for hemiparetic upper extremity Meigen LIU (Keio University)
14:50-15:15	Rehabilitation robotics of the upper arm after stroke Isabelle LAFONT (CHU Montpellier)
15:15-15:40	Computational neuroscience and BMI approach to neurological and psychiatric diseases Mitsuo KAWATO (ATR)

15:40-16:00

Coffee Break

16:00-17:15	Session 4: Assistive and rehabilitation robotics / Neurostimulation Moderator: Bernard BAYLE
16:00-16:25	FES implanted system in persons with SCI: a validated technological option Charles FATTAL (PROPARA)
16:25-16:50	From bed-ridden to walk: development of support systems for human daily life Hiroshi KOBAYASHI (Tokyo University of Science)
16:50-17:15	Exoskeletons: A perspective for the rehabilitation of upper limb synergies at joint level in stroke patients Agnès ROBY-BRAMI (ISIR)

17:20-18:20	Special session & Closing Moderator: Jean-Jacques BENATTAR
17:20-17:45	Cell sheet-based regenerative medicine Masayuki YAMATO (Tokyo Women's Medical Univ. / TWIns)
17:45-18:10	Micro/Nano Robotics for Cellular Biology and Tissue Engineering Koji IKUTA (The University of Tokyo)
18:10-18:15	Closing Remarks Jean-Jacques BENATTAR (Embassy of France in Japan)

18:30-20:30

Reception in the Main Conference Room