2nd Taiwan-France EcoTech Conference
January 5-6, 2017

Institut du Cerveau & de la Moelle Epinière – 47, bd de l’Hôpital 75013 Paris, France
This two day conference aims at drawing a progress report on our Taiwanese-French collaborative research project under the MOST-ANR TECSAN program.

Entitled EcoTech, this project deals with the ecological characterization of gait disorders in Parkinson disease and includes a collaboration with an SME.

As we wish to build on the achievements made by EcoTech to open an interdisciplinary dialogue, the conference is open to invited speakers of various backgrounds and a broad audience of researchers, clinicians, students and all stakeholders.

No participation fee. Information and registration: elodie.lalo@icm-institute.org

Organizing committee: Olivier Buttelli, Elodie Lalo, Nacim Ramdani, Jacques Riff, Marie-Laure Welter

Venue: Institut du Cerveau & de la Moelle Epinière – 47, bd de l’Hôpital 75013 Paris, France
Directions: http://icm-institute.org/fr/plan-acces/
Further details: http://www.ecotechsan.org/index.php/ecotech-conferences
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PROGRAM

THURSDAY 5 JANUARY

• 9am Welcoming Coffee

• 10am

OPENING: Yu-Han Tsou (Taipei Representative Office in France);

INTRODUCTION: Chiung Chu Chen (Chang Gung Memorial Hospital, Taoyuan, Taiwan); Elodie Lalo (ICM & Université d’Orléans); Jacques Riff (Université d’Orléans); Olivier Buttelli (PRISME, Univ. Orléans)

• 10.30am Ross Parry (ICM, Hôpital Pitié-Salpêtrière) “Walking with Parkinson’s disease: motor activity in daily life as sensorimotor coupling between the person and their environment — an interdisciplinary study”

• 11.10am Christine Azevedo (INRIA / LIRMM Montpellier) “Observing and assisting posture and gait in Parkinson Disease individuals”

• 11.50am Hsi-Pin Ma (National Tsing Hua University, Taiwan) “Design and Implementation of Wearable Physiological Sensors”

• 12.30pm Lunch

• 2pm Meryem Jabloun (PRISME Université d’Orléans) “A new generalization of the discerte Teager-Kaiser Energy operator - Application to onset detection using sEMG signals.”

• 2.40pm Chiung Chu Chen (Chang Gung Memorial Hospital, Taoyuan, Taiwan) “Oscillations activity in subthalamic nucleus correlates with gait disturbance”

• 3.20pm Coffee break

• 4pm Philippe Ravier (PRISME, Université d’Orléans), “Characterizing Parkinson’s disease using EMG fractional linear prediction”

• 4.20pm Nacim Ramdani (PRISME, Université d’Orléans) “An inverse optimal control approach to the closed-loop modelling and analysis of initiation of walking in Parkinson Disease”

FRIDAY 6 JANUARY

• 9.30am Yves Agid (ICM, Académie des Sciences) “« Myths about Parkinson’s disease »”

• 10.15am Hsin Chen (National Tsing Hua University, Taiwan) “A Multi-site, Closed-loop Neuromodulator for the Theraonsis of Neural Degenerative Diseases”

• 10.50am Coffee break

• 11.10am Marie-Laure Welter (ICM, Hôpital Pitié-Salpêtrière) “Virtual gait functional imagery in humans : a fMRI study in healthy volunteers and PD patients”

• 11.50am Amal Naseem (PRISME, Université d’Orléans) “Muscular Activation Intervals Detection Using Gaussian Mixture Model GMM Applied to sEMG Signals”

• 12.20pm Lunch

• 2pm Dijana NUIC (ICM, Brain e-Novation) “Video games to alleviate gait and balance disorders in patients with Parkinson’s disease: a feasibility and acceptability study”

• 2.40pm Fabien Clanché (EA 3450 DevAH, Nancy) “Design a Virtual Reality and Human Metrology platform to evaluate fall risk in the elderly and Parkinson disease”

• 3.20pm Nicolas Ferveur (Technology Ergonomics Applications, Nancy) “TEA Acquisition devices and solution for real life Settings”

• 3.40pm Coffee break & product demo

• 4pm WRAP-UP & CLOSING REMARKS

• 4.30 Consortium meeting (EcoTech members only)