COLLOQUE REPARTI WORKSHOP
Regroupement stratégique pour l'étude des environnements partagés intelligents répartis

Pavillon Alphonse-Desjardins Building: Grand Salon
2325, rue de l'Université
Université Laval
Québec, Québec, G1V 0A6

1 juin 2012 – June 1, 2012

Toutes les activités du colloque, incluant le repas de midi, se tiendront dans le Grand Salon, à part l'exposition des affiches qui aura lieu dans l'Atrium.

All of the Workshop activities, including lunch, will take place in the Grand Salon, with the exception of the poster session which will take place in the Atrium.

09h00 – 09h15	**Inscription / Registration**
09h15 – 9h30	**Mot de bienvenue / Welcoming of participants** Denis Laurendeau Directeur de REPARTI / REPARTI Director
09h30 – 10h45	**Discussion (questions, verso)** **Renouvellement de REPARTI / REPARTI Renewal**
10h45 – 11h00	**Pause café / Coffee Break**
11h00 – 12h00	**Présentation-éclair (2 min.) de chacune des affiches /** **Flash presentation (2 min.) of each poster**
12h00 – 13h30	**Repas de midi / Lunch**
13h00 – 13h30	**Installation des affiches / Poster set-up**
13h30 – 15h00	**Exposition des affiches / Poster Session** Atrium J.-G. Paquet, Pavillon Alphonse-Desjardins
15h00 – 15h15	**Mot de clôture / Concluding remarks** Denis Laurendeau Directeur de REPARTI / REPARTI Director

Discussion : questions

Scientific Research Program / Programme scientifique de recherche

1. What are REPARTI's strong points? / Quels sont les points forts de REPARTI?
2. What points of the Research program could be improved? / Quels aspects pourraient être améliorés?
3. Recommendations / Suggestions

Funding strategy / Stratégie de financement

1. What are REPARTI's strong points? / Quels sont les points forts de REPARTI?
2. What points of the Funding strategy could be improved? / Quels aspects pourraient être améliorés?
3. Recommendations / Suggestions

Recognition / Rayonnement

1. What are REPARTI's strong points? / Quels sont les points forts de REPARTI?
2. What points regarding Recognition could be improved? / Quels aspects pourraient être améliorés?
3. Recommendations / Suggestions

Students / Étudiants
(Posters, stages, student representatives, etc.)

1. What should be our goal for student participation and involvement in REPARTI? / Quels objectifs devrions-nous viser concernant la participation et l'implication des étudiants dans REPARTI?
2. Should there be more activities reserved for students, accompanied by a budget to finance them? / Devrait-on avoir plus d'activités réservées pour les étudiants, accompagnées d'un budget pour les financer?
3. Recommendations / Suggestions

Colloque REPARTI Workshop 2012 : Posters

REPARTI : Perception

A computer vision framework for the analysis and interpretation of the cephalo-ocular behavior of drivers in simulated and real driving contexts
Samy Metari, Denis Laurendeau, Martin Lavallière, Normand Teasdale and Martin Simoneau

Improving Driver's Perception
Alejandro Sanchez Ramirez and Brahim Chaib-draa

Co-adapting Mobile Sensor Networks to Maximize Coverage in Dynamic Environments
François-Michel De Rainville, Christian Gagné and Denis Laurendeau

REPARTI : Modélisation / Raisonnement / Apprentissage
REPARTI : Modelling / Reasoning / Learning

An Adaptive Nonparametric Particle Filter for State Estimation
Yali Wang and Brahim Chaib-draa

Learning Observation Models for Dialogue POMDPs
Hamid R. Chinaei, Brahim Chaib-draa, and Luc Lamontagne

Multi-Objective Evolutionary Optimization for Generating Ensembles of Classifiers in the ROC Space
Julien-Charles Lévesque, Audrey Durand, Christian Gagné and Robert Sabourin

A Tracking Algorithm Suitable for Embedded Systems Implementation
Rana Farah, Qifeng Gan, J.M. Pierre Langlois, Guillaume-Alexandre Bilodeau and Yvon Savaria

Bloat control in genetic programming with a histogram-based accept-reject method
Marc-André Gardner, Christian Gagné and Marc Parizeau

Systèmes adaptatifs pour la reconnaissance de visages en vidéo-surveillance
Christophe Pagano, Éric Granger et Robert Sabourin

Gaussian Mixture Modelling for Dynamic Particle Swarm Optimization of Recurrent Problems
Eduardo Vellasques, Robert Sabourin and Éric Granger

High-level activity recognition from sensory data
Negar Ghourchian and Doina Precup

Visual Task Inference in Conjunction Search Using Hidden Markov Models and Token Passing
Amin Haji-Abolhassani and James J. Clark

Generalized Helicoids for Modeling Hair Geometry
Emmanuel Piuze, Paul G. Kry and Kaleem Siddiqi

Probabilistic Connectivity in Fibre Tractography
Parya Momayyez and Kaleem Siddiqi

Relaxed Exponential Kernels
Karim Abou-Moustafa and Frank Ferrie

Trees: from point clouds to parameterized representations
John Harrison and Frank Ferrie

Unstructured Light Scanning to Overcome Interreflections
Vincent Chapdelaine-Couture, Nicolas Martin, and Sébastien Roy

Panoramic Stereo Video Textures
Vincent Couture, Sébastien Roy and Michael S. Langer

REPARTI : Interaction

Hybrid Kinesthetic-Vibrotactile Haptic Locomotion Interface
Éric Jomphe and Martin Otis

Système d'assistance à câble
Alexandre Lecours, Simon Foucault, Thierry Laliberté, Clément Gosselin et Boris Mayer-St-Onge

A Novel Percutaneous Mitral Valve Repair Technique
Toufic Azar, Jorge Angeles, Jozsef Kövecses, Rosaire Mongrain and Renzo Cecere