

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

4 juin 2013 – June 4, 2013

Toutes les activités du colloque, incluant le repas de midi, se tiendront dans le Grand Salon.
All of the Workshop activities, including lunch, will take place in the Grand Salon.

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|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11h00 – 11h15 | Inscription / Registration |
| 11h15 – 11h20 | Mot de bienvenue / Welcoming of participants
Denis Laurendeau (Directeur de REPARTI / REPARTI Director) |
| 11h20 – 11h45 | Présentation : REPARTI 2013-2019
Denis Laurendeau (Directeur de REPARTI / REPARTI Director) |
| 11h45 – 12h10 | Présentations préparées par les étudiants / Student Presentations
REPARTI : Perception
REPARTI : Modélisation / Raisonnement / Apprentissage
Modelling / Reasoning / Learning |
| 12h10 – 13h30 | Repas de midi / Lunch |
| 13h30 – 15h45 | Présentations préparées par les étudiants / Student Presentations
REPARTI : Modélisation / Raisonnement / Apprentissage (suite)
Modelling / Reasoning / Learning (cont.)
REPARTI : Interaction |
| 15h45 – 15h50 | Mot de clôture / Concluding remarks
Denis Laurendeau (Directeur de REPARTI / REPARTI Director) |
| 16h00 – 16h30 | Visite informelle : Laboratoire de robotique (Robotics Laboratory) |
| 16h30 – 17h00 | Visite informelle : Laboratoire de vision et systèmes numériques
(Computer Vision and Systems Laboratory) |

Colloque REPARTI Workshop 2013: Présentations

REPARTI : Perception

On-Road Vehicle Detection with Motion

Alejandro Sanchez and Brahim Chaib-draa

Paire stéréoscopique Panomorphe

Anne-Sophie Poulin-Girard, Simon Thibault et Denis Laurendeau

REPARTI : Modélisation / Raisonnement / Apprentissage

REPARTI : Modelling / Reasoning / Learning

Sequential Multi-Armed Bandit with Delayed Reward

Audrey Durand and Christian Gagné

Sensor Placement Optimization and Target Trajectory Prediction in Smart Sensor Networks

Vahab Akbarzadeh, Christian Gagné and Marc Parizeau

Combinatorial Optimization EDA using Hidden Markov Models

Marc-André Gardner and Christian Gagné

Two 3D Segmentation Approaches: 3D-NCuts and 3D-PIC

Zahra Toony, Denis Laurendeau, Philippe Giguère and Christian Gagné

An approach on local comparison of deformable 3D models

Sarah Ali and Denis Laurendeau

Reconnaissance automatique de la parole

Ludovic Trottier et Brahim Chaib-draa

Toward Data clustering Using the Non-negative Matrix Factorization (NMF) Approach

Mohammad S. Ghaemi and Brahim Chaib-draa

Suivi multiobjet de trafic mixte urbain

Jean-Philippe Jodoin, Nicolas Saunier et Guillaume-Alexandre Bilodeau

Suivi de personnes à partir d'images visibles et infrarouges

Dorra Riahi et Guillaume-Alexandre Bilodeau

Intelligent Watermarking for High-Resolution Grayscale Facial Images

Bassem S. Rabil, Robert Sabourin and Eric Granger

REPARTI : Modélisation / Raisonnement / Apprentissage (suite)
REPARTI : Modelling / Reasoning / Learning (cont.)

Feature Representation Selection Based on Classifier Projection Space and Oracle Analysis
Rafael M. O. Cruz, George D. C. Cavalcanti, Tsang Ing Ren and Robert Sabourin

Towards Automated Transactions based on the Offline Handwritten Signatures
George S. Eskander, Robert Sabourin and Eric Granger

Adaptive Multi-Classifer Systems for Face Based Video Surveillance
Miguel De-la-Torre, Eric Granger and Robert Sabourin

An Adaptive Ensemble for Face Recognition in Changing Video Surveillance Environments
Christophe Pagano, Eric Granger and Robert Sabourin

REPARTI : Interaction

Human body tracking using accelerometry on a mobile device
Mahmoud Ben Brahem, Martin J.-D. Otis and Bob-Antoine J. Ménélas

Towards a real-time error detection within a smart home by using activity recognition with a shoe-mounted accelerometer
Julien Vandewynckel, Bruno Bouchard, Bob-Antoine J. Ménélas, Abdenour Bouzouane and Martin J.-D. Otis

The development of a cable-driven parallel mechanism for large-scale rapid prototyping
Eric Barnett and Clément Gosselin

A bidirectional haptic device for the training and assessment of handwriting capabilities
Nicolò Pedemonte, Thierry Laliberté and Clément Gosselin