Publications

Publications depuis 2008

Vous pouvez retrouver les publications du laboratoire depuis 2008 sur le site des archives ouvertes du CNRS, et utiliser le moteur de recherche pour accéder à une publication particulière (onglets "Consultation" ou "Recherche simple").

Les publications des équipes depuis 2008 peuvent être également consultées à partir des liens suivants :

- Indexation Multimedia et Intégration de données (MIDI)
- Information, Communications, Imagerie (ICI)
- Architectures, Systèmes, Technologies pour les unités Reconfigurables Embarquées (ASTRE)
- Neurocybernétique

Publications antérieures à 2008

Les publications plus anciennes se trouvent à cette adresse.

10 most recent publications

[hal-01872152] The flow of ideologies between a political figure and a militant community: a CMC corpora analysis

[...]

[hal-01872164] CRMcr - a CIDOC-CRM extension for supporting semantic interoperability in the conservation and restoration domain

[...]
[hal-01867065] Toward an Embedded OFDM-based System for Living Cells Study by Electrochemical Impedance Spectroscopy

The following article introduces a wireless an portable system for Electrochemical Impedance Spectroscopy (EIS) sensing based on the Orthogonal Frequency-Division Modulation (OFDM). This technique is derived from multicarrier digital communication methods and due to its properties of flat spectrum, fast generation and low-foot print memory, the OFDM technique for EIS seems to be a real alternative to traditional ones. [...]

[hal-01865569] Coding Theorems for Empirical Coordination

[...]

[hal-01816918] Leveraging Implicit Spatial Information In Global Features For Image Retrieval

Most image retrieval methods use global features that aggregate local distinctive patterns into a single representation. However, the aggregation process destroys the relative spatial information by considering orderless sets of local descriptors. We propose to integrate relative spatial information into the aggregation process by taking into account co-occurrences of local patterns in a tensor framework. [...]

[hal-01841660] Images & Recipes: Retrieval in the cooking context

Recent advances in the machine learning community allowed different use cases to emerge, as its association to domains like cooking which created the computational cuisine. In this paper, we tackle the picture-recipe alignment problem, having as target application the large-scale retrieval task (finding a recipe given a picture, and vice versa). [...]

[hal-01815707] Multimodal Deep Neural Networks for Pose Estimation and Action Recognition
In this work, we present a unified multimodal neural network for pose estimation from RGB images and action recognition from video sequences. We show that a multimodal approach benefits 3D pose estimation by mixing high precision 3D data and “in the wild” 2D annotated images, while action recognition also benefits from better visual features.

[hal-01796474] Real Time Tracking of Multiple Persons on Colour Image Sequences

[...] 

[hal-01796473] Real time tracking of multiple persons using elementary tracks

[...] 

[hal-01808657] CAD-CAP: une base de données française à vocation internationale, pour le développement et la validation d'outils de diagnostic assisté par ordinateur en vidéocapsule endoscopique du grêle

The Computer-Assisted Diagnosis for CAPsule Endoscopy (CAD-CAP) database is a large, multicentric, public database of small-bowel (SB) capsule endoscopy (CE) still frames and video sequences, that aims to serve the development of computer-assisted diagnosis tools, from the initial steps (machine learning) to the last preclinical steps (assessment and comparison of performances). [...]