



# **Journée TIC-Sécurité**

## *Horizon 2020*

**Session d'émergence de projets  
et de présentation des compétences**

Paris, 10/02/2015



# Name of the company



- **Address** : Université de Caen Basse-Normandie, Campus Côte de Nacre, Boulevard du Maréchal Juin, CS 14032, 14032 CAEN cedex 5
- **Contact** : [frederic.jurie@unicaen.fr](mailto:frederic.jurie@unicaen.fr)
- **Brief description** : GREYC is a research unit of French CNRS associated with University of Basse-Normandy of Caen (UBNC) and the High School of engineers ENSICAEN. Its domains are Automatic, Computer Science and Microelectronics.

It has 230 members, with 93 professors and associate professors, 7 full time researchers from CNRS, 17 from the technical staff, 62 PhD students with 12 of them co-sponsored by companies 41 post-doc, temporary assistant professors, PAST or engineers. The IMAGE group (22 staff, 13 Phd Students and 3 post-docs) works on different area of image processing and computer vision, and is very active in the development of new algorithms for pattern recognition, image segmentation, image enhancement, image search and object detection. The group is involved in several National, European and International projects.

It has a long experience on image classification and has been involved in several projects focused on image classification and object detection such as the RECONSURVE European project, or the R2I, Robmarket or SCARFACE ANR projects. The group has published more than 30 papers in the 5 last years on this topic, in top journals (IJCV, PAMI, etc.) or conferences (CVPR, ICCV, etc.).



# Expertise



- **Offer :**

We are conducting internationally recognized works on face verification / face search, and have developed state-of-the-art algorithms capable to predict if two faces represent the same person or not, or to assist operators in the task of finding persons in large datasets based on a visual description of the persons.

## References:

- Covariance Descriptor based on Bio-inspired Features for Person Re-identification and Face Verification, Bingpeng Maa, Yu Su, Frédéric Jurie, Image and Vision Computing, Volume 32, Issues 6–7, June–July 2014, Pages 379–390, 2014
- Some faces are more equal than others: Hierarchical organization for accurate and efficient large-scale identity-based face retrieval, B. Bhattarai, G. Sharma, F. Jurie and P. Perez, European Conference on Computer Vision (ECCV) Workshops, 2014
- Photorealistic Face de-Identification by Aggregating Donors' Face Components, Saleh Mosaddegh, Loïc Simon and Frederic Jurie, Asian Conference on Computer Vision (ACCV), 2014.
- Expanded Parts based Metric Learning for Occlusion Robust Face Verification, Gaurav Sharma, Frederic Jurie and Patrick Perez, Asian Conference on Computer Vision (ACCV), 2014. [pdf]