

Paul GAY

Post-Doctoral fellow

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Born in France, 1988



Education

- 2014 **Phd thesis**, *Audiovisual segmentation and identification of persons in broadcast news..*
In Java/Python/C++. Keywords: conditional random fields, face and speaker identification and clustering
Advisors: Sylvain Meignier, LIUM laboratory (Le Mans, France) and Jean-Marc Odobez, IDIAP Research Institute (Martigny, Switzerland). **Funding:** REPERE ANR campaign.
- 2011 **Master degree of electrical engineering: Information System Architectures (ASI)**, *Institut National des Sciences Appliquées (INSA)*, Rouen, France.
- 2011 **Master degree: Multimedia Information Processing System (STIM)**, *university of Rouen, France*.

Experiences

Professional

- 2015-2016 **Post-doctoral researcher**, *PAVIS/IIT*, Genova, Italy.
Probabilistic matrix factorization applied to structure from motion and motion segmentation. Matlab.
- 2014-2015 **Teaching assistant (ATER)**, *LIA*, Avignon, France.
Teaching activity: various classes in computer sciences (programming, distributed architectures...).
Research activity: video series summarization. In C++.
- 01/2013-
06/2013 **Research assistant**, *LIUM*, Le Mans, France.
Maintenance of speech processing tools: documentation writing and technical assistance. In Java
- 02/2011-
08/2011 **Research intern**, *Laboratoire Télécom Bretagne*, Lima, Peru.
Acoustic Image classification: Application to anchovy schools. In Matlab.

Education related

- 02/2010-
02/2011 **INSA certified project**, *ASI department*, Rouen, France..
1 year project following ISO9001 quality management. Setting vision system enabling a Nao robot to play board games. In Python/C.
- 02/2010-
06/2010 **School project on Brain computer interface**, *LITIS laboratory*, Rouen, France.
System for acquiring and classifying electroencephalography signals. Network settings/Openvibe library, in C++.

Languages

French Mother tongue

English, spanish, Proficient user
italian

Skills

Programming: Python, C/C++, Java, Matlab.

Web: Php, J2EE, SOA.

Research fields: face and speaker identification, Probabilistic models, Computer vision, Data mining.

Miscellaneous activities

HandBall, Rugby, Guitar.

Publications

Google scholar profile:

<https://scholar.google.fr/citations?user=TwBT4HEAAAAJ&hl>

Comparison of Two Methods for Unsupervised Person Identification in TV Shows. IEEE International Workshop on Content-Based Multimedia Indexing (CBMI). Paul Gay, Grégor Dupuy, Jean-Marc Odobez, Meignier Sylvain and Paul Deléglise, 2014

A conditional random field approach in broadcast news using overlaid texts. IEEE International Conference on Image Processing (ICIP), Paul Gay, Elie Khoury, Sylvain Meignier, Jean-Marc Odobez, and Paul Deléglise, 2014

A conditional random field approach for audio-visual people diarization. IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP). Paul Gay, Elie Khoury, Sylvain Meignier, Jean-Marc Odobez, and Paul Deléglise, 2014

Fusing matching and biometric similarity measures for face diarization in video. ACM International Conference on Multimedia Retrieval (ICMR). Elie Khoury, Paul Gay and Jean-Marc Odobez, 2013

An Open-source State-of-the-art Toolbox for Broadcast News Diarization. International Speech Communication Association (INTERSPEECH). Mickaël Rouvier, Grégor Dupuy, Paul Gay, Elie Khoury, Teva Merlin and Sylvain Meignier, 2013

Bags-of-Features for fish school cluster characterization in pelagic ecosystems: application to the discrimination of juvenile and adult anchovy (*Engraulis ringens*) clusters off Peru. Canadian Journal of Fisheries and Aquatic Sciences. Ronan Fablet, Paul Gay, Salvador Peraltilla, Cecilia Peña, Ramiro Castillo and Arnaud Bertrand, 2012