

Freddy Limpens

French 36 years old engineer, PhD and full stack web developer

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Experience

- 09.2015 - 12.2016 **Université de Lille** : Architect and Developer of automated solutions for multi-channel publishing (Web, Moodle, OpenEDX) of the mooc [Culture Numérique](#).
- 11.2013 - 09.2015 **Fuzzy Frequency, Digital art and web agency** : Associated partner & full-stack developer for collaborative web applications (e.g [file sharing app](#), projects sharing platform [Makerscience](#)), and webdocs and installations (e.g. [Cartographies Urbaines \(TAZ\)](#), [Arte.tv Worldbrain](#)).
- 12.2012 - 10.2013 **Imagination for People** : Technical coordinator (following agile methods) and developer for the collaborative platform [Imagination for People](#) dedicated to the discovery and sharing of social projects.
- 01.2011 - 02.2012 **Ecole Polytechnique Fédérale de Lausanne, EPFL** : Postdoc researcher in the [REACT team](#), Modelling and collaborative software prototyping in the European Project [ROLE](#) focused on agile and responsive digital learning environments.
- 09.2007 - 10.2010 **Institut National de Recherche en Informatique et Automatique, INRIA** : Phd in the [Wimmics team](#) working on social tagging data analysis, Linked Data-based structuring, and Web services developpement. Thesis on [Multi-points of view semantic enrichment of folksonomies \(slides\)](#)
- 09.2004-02.2005 **Fluydin France** :Internship in a consultancy and software modeling company in fluid dynamics and acoustic area. Enhancement of algorithms for modelling noise propagation on long distance.

Technical skills

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| Python (Django, Flask) | Javascript (jQuery, Leaflet) | Data-mining |
| Testing (Python Unittest) | AngularJS | Scientific Computation |
| Java (J2EE) | Semantic Web (RDF, SPARQL) | Matlab |
| SQL (PostgreSQL, MySQL) | Git | CAD (FreeCad) |
| HTML5/CSS3 | Linux (sys-admin) | MicroControllers |

Teaching

- 2015 - 2016 **Université de Lille** Responsible for 2 classes : Database Introduction and Data journalism and Web development and CMS
- 2012 **Les Petits Débrouillards** One of the main french popular science NGO; tutoring for several workshops about Astronomy, Chemistry, and Physics.
- 2010 **Université Nice Sophia Antipolis** Laboraty for a [Web 2.0 Technology](#) class

Publications

- 1 . Limpens, F.; Gandon, F. & Buffa, M., **Rapprocher les ontologies et les folksonomies pour la gestion des connaissances partagées : un Etat de l'art**, in Proc. 19èmes journées francophones d'Ingénierie des Connaissances, Nancy, 2008 <http://hal.archives-ouvertes.fr/hal-00416693/fr/>
- 2 . Limpens, F. & Gandon, F., **Economie de la contribution et outils de partage de connaissances**, in Proc. Atelier IC 2.0, joint aux IC2008, 19èmes journées

francophones d'Ingénierie des Connaissances, Nancy, 2008 , <http://hal.archives-ouvertes.fr/hal-00530373/fr/>

3 . Limpens, F.; Gandon, F. & Buffa, M., **Bridging Ontologies and Folksonomies to Leverage Knowledge Sharing on the Social Web: a Brief Survey**, in Proc. 1st International Workshop on Social Software Engineering and Applications (SoSEA), 2008 <http://hal.archives-ouvertes.fr/hal-00530358/fr/>

4 . Limpens, F.; Gandon, F. & Buffa, M., **Sémantique des folksonomies: structuration collaborative et assistée**, Proc. Ingénierie des Connaissances IC'09, 2009, <http://hal.archives-ouvertes.fr/inria-00378223/fr/>

5 . Limpens, F.; Gandon, F. & Buffa, M., **Collaborative semantic structuring of folksonomies (short article)**, in IEEE/WIC/ACM Int. Conf. on Web Intelligence, 2009 <http://hal.archives-ouvertes.fr/hal-00530361/fr/>

6 . Limpens, F.; Gandon, F. & Buffa, M., **Linking Folksonomies and Ontologies for Supporting Knowledge Sharing: a State of the Art**, Technical Report INRIA, Institut National de Recherche en Informatique et Automatique, 2009 <http://hal.archives-ouvertes.fr/hal-00530371/fr/>

7 . Limpens, F.; Monnin, A.; Laniado, D. & Gandon, F., **NiceTag Ontology: tags as named graphs, in International Workshop in Social Networks Interoperability**, Asian Semantic Web Conference 2009, 2009 , <http://hal.archives-ouvertes.fr/hal-00434129/fr/>

8 . Alexandre Monnin, Freddy Limpens, David Laniado and Fabien Gandon, **L'ontologie NiceTag : les tags en tant que graphes nommés**, Atelier Web Social, 10ième Conférence Internationale Francophone sur l'Extraction et la Gestion des Connaissances, EGC , Hammamet, Tunisia, 2010, <http://hal-paris1.archives-ouvertes.fr/hal-00452771/fr/>

9 . Alexandre Monnin and Freddy Limpens and Fabien Gandon and David Laniado, Speech acts meets tagging: NiceTag ontology, AIS SigPrag International Pragmatic Web Conference Track, I-Semantics, Graz, Austria, September 2010.

10 . Limpens, F.; Gandon, F. & Buffa, M., **Helping online communities to semantically enrich folksonomies**, in Proceedings of the WebSci10: Extending the Frontiers of Society On-Line, <http://webscience.org>, 2010 ,<http://hal.archives-ouvertes.fr/hal-00530364/fr/>

11 . Freddy Limpens, **Multi-points of view semantic enrichment of folksonomies**, PhD thesis, Université Nice - Sophia Antipolis, 2010, <http://hal.archives-ouvertes.fr/hal-00530714/fr/>

12 . Freddy Limpens and Fabien Gandon and Michel Buffa, **Un cycle de vie complet pour l'enrichissement sémantique des folksonomies**, Proc. 11eme Conférence Internationale Francophone sur l'Extraction et la Gestion des Connaissances, EGC, Brest, January 2011.

13 . Guillaume Erétéo, Michel Buffa, Olivier Corby, Fabien Gandon, Mylène Leitzelman, Freddy Limpens, and Peter Sander. **Handbook of Research on Methods and Techniques for Studying Virtual Communities, chapter Semantic Social Network Analysis, a Concrete Case**. 2011, IGI Global.

14 . E. Bogdanov, F. Limpens, N. Li, S. El Helou and C. Salzmann et al. **A Social Media Platform in Higher Education**. Global Engineering Education Conference (EDUCON), Marrakesh, Morocco, 2012.

Education

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| 2007 - 2010 | Université Nice Sophia Antipolis Computer Science PhD, Multi-point of view collaborative structuring of folksnomies (supervisors: Fabien Gandon and Michel Buffa) |
| 2005 - 2007 | Chalmers University of Technology MSc Applied Information Technology, specialized in Digital Arts and Interactive systems |
| 2000 - 2005 | Université de Technologie de Compiègne UTC Engineer Degree in Mechanics, specialized in Acoustics and Modelling |

Language and other skills

English : fluent
Italian : fluent
French : native

Driving Licence (B)
Digital fabrication
3D modelling

Wood works and design
Occasional guitar player
DIY and free software