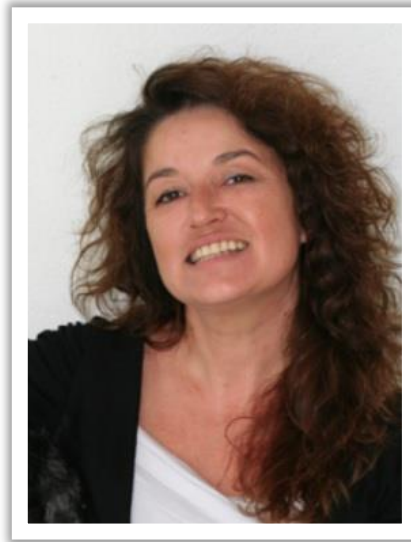


# CURRICULUMVITAE

Institute  
Information Systems



Prof. Dr. Anne Le Calvé



## Contact

<b>Title</b>	Professor Dr.
<b>First name</b>	Anne
<b>Family name</b>	Le Calvé
<b>Address</b>	HES-SO Valais, Technopôle 3
<b>City</b>	3960 Sierre
<b>Country</b>	Switzerland
<b>Phone</b>	+4127 606 90 12
<b>E-Mail</b>	anne.lecalve@hevs.ch
<b>Website</b>	iig.hevs.ch www.websemantique.ch

## Biography

Prof. Anne Le Calvé is professor at the Institute of Business Information Systems at the University of Applied Sciences of Western Switzerland Wallis (Sierre, Switzerland) since 1999. She holds a PhD in computer science - about meta search engine methodologies in information retrieval domain - from the University of Neuchâtel in Switzerland in 1998.

Her research activities focus on semantic web technologies, knowledge management and information modeling. She leads or participates in numerous projects in semantic domain applied to different fields such as eTourism, knowledge management, personal information management, energy and user modeling system in adaptive interfaces. Prof. Le Calvé is supervisor of the web site [www.websemantique.ch](http://www.websemantique.ch) for promoting semantic web technologies.

## Research Interest

Semantic web, Information modeling and data structure, knowledge management

## Skills

**Semantic web technologies** : ontologies, OWL, RDF, triple stores, SPARQL

**Information modeling and data structure** : UML, Merise, XML family, Relational database (modeling, administration, SQL), Oracle, SQL Server

**Information retrieval** : IR models, data fusion and collection fusion

## Education

- 1998 **PhD in Computer Science**  
University of Neuchâtel, Switzerland  
*Collection fusion and data fusion in information retrieval : models based on logistic regression.*
- 1995 **Master M.A.S.S. (Applied Mathematics and Social Sciences)**  
University of « Haute-Bretagne », Rennes, France
- 1993 **Bachelor M.A.S.S. (Applied Mathematics and Social Sciences)**  
University of « Haute-Bretagne », Rennes, France
- 1990 **D. U. T. of Statistics and Data Processing**  
Institut Universitaire de technologie de Vannes, France

## Experience

- Present – 1999 **University of Applied Sciences Western Switzerland (HES-SO), Sierre, Switzerland**  
Professor HES
- 1999 – 1995 **University of Neuchâtel, Information Retrieval Group, Neuchâtel, Switzerland**  
Scientific Collaborator
- 1999 - 1998 **University of Neuchâtel, Institute of Statistics, Neuchâtel, Switzerland**  
Scientific Collaborator
- 1993 – 1992 **Center for Security Studies of Products - Rhône-Poulenc, Sophia-Antipolis, France**  
Biostatistician
- 1991 – 1992 **I.C.L. (International Computers Limited) - Research, operating system and superstructure development and support centre, Bracknell, England**  
Computer scientist
- 1991 **Unilever, Vlaardingen, Netherland**  
End study trainee

## Projects

- 2014 – **eGovernment Innovation Center**  
2012 Pôle de compétence et de recherche national en cyberadministration  
Processus métier sémantiques
- 2013 – **OntoManag**  
2011 Ontologies Management Tool
- 2013 – **IntBat**  
2012 Plateforme de gestion énergétique intégrée de bâtiments.  
Analyse des standards sémantiques dans le domaine énergétique.
- 2012 – **SoftCust Intelligent Matching Platform**  
2008 Sino Swiss Software Customization Network Model Platform
- 2012 – **FairTrace**  
2010 The FAIRTRACE project aims at creating and deploying an Semantic Web based Information System that allows tracking the path followed by a textile product throughout the manufacturing chain, from cultivation of raw material to the final product.
- 2011 – **RODIN : Roue d'INformation**  
2009 Rodin is a project that aims to develop an innovative tool for the bundling and coupling of user relevant information sources.  
Semantizing search results for unstructured, arbitrary data
- 2011 – **Semantic Agent Coordination (SACoord)**  
2008 The goal of the SACoord project was to study the requirements for interoperability of medical patient summaries in order to design new solutions for sharing persistent semantic information in heterogeneous and distributed environments. The focus of the project was technological, realizing a semantic coordination infrastructure.
- 2011 – **PAT**  
2010 Process Analytical Technology  
Use of semantic technologies in this context
- 2009 **Web 3.0**  
Apports du Web sémantique dans le tourisme
- 2008 – **Memoria Mea**  
2007 Multimodal Mobil Phone & Personal Information Management – Semantic data
- 2008 – **MEMODULES**  
2006 Tangible shortcuts to multimedia information  
Semantic data layer

- 2008 – **BATICS**  
2005 Building Adaptive Three-dimensional Interfaces for Complex Command Control Systems  
Semantic user model
- 2008 - **CTMS**  
2005 Cardless Travel Management System  
Semantic technologies in eTourism
- 2007 **Accueil**  
Analyse du comportement des utilisateurs en recherche bibliographique - extraction et  
interprétation des fichiers log.  
Analyse du web sémantique dans le domaine des bibliothèques.
- 2007 – **APIER**  
2006 Augmenter la pertinence dans des environnements à risque
- 2006 – **CHAMELEON**  
2004 (Re-) Configuration de documents Hypertextes Automatisée et Maintenance des ELEMents-  
Objets en fonction du succès de Navigation
- 2005 – **XDocComponent**  
2004 eXtremeDocComponent – Gérer la Connaissance grâce à une documentation de projets  
intelligente
- 2004 – **Semantic Web**  
2003 Analysis of semantic web technologies
- 2003 – **SAVANN : Automatisation des versements en archives**  
2002 Le projet se propose de créer un outil, jusqu'à présent lacunaire, basé sur les nouvelles  
technologies afin de permettre l'automatisation du processus de versement dans les services  
d'archives.
- 2002 **E-Solving**  
Le projet E-Solving se propose de développer un complément aux activités pédagogiques de  
validation et d'exercices existant sur les plate-formes e-learning, sous forme d'un outil de  
résolution de problèmes.
- 2002 **CartoWeb**  
Cartographie interactive pour sport de plein air

## Teaching activities – Courses

- present – **Semantic Web**  
2010 HES-SO Master
- present – **Data Structure**  
2008 XML structure : XML, Xpath  
Relationnal databases : SQL MDL
- present – **Implementation and data manipulation**  
2008 XML : XML schemas, Xquery  
Relational databases : Administration
- present – **Algorithms and data structures**  
2008 XML : stylesheets XSL-T, XML databases
- 2009 – **Data modeling**  
1999 Relationnal database modeling, UML
- 2009 – **Databases I**  
1999 Relationnal databases : SQL DML
- 2009 – **Databases II**  
1999 Relationnal databases : administration
- 2006 - **algorithms and programming**  
1999 algorithms, C, Java

## Teaching activities – Master and bachelor projects supervision

- 2012 **Web 3.0 des widgets sémantiques**  
Yacine AGHZAF
- 2011 **Web 3.0 : Moteur de recherche sémantique**  
Wenge Qi
- 2010 **Entre Web 2.0 et 3.0 : opinion mining**  
Carol Hermann
- 2009 **Chinese localization in SoftCust Intelligent Matching Plat-form**  
Chen Jinyuan

- 2009      **Web 3.0 : adaptation et personnalisation**  
Bonvin Philippe
- 2008      **Web 3.0 : le web comme base de données**  
Antoine Darbellay
- 2008      **Web 3.0 : Déploiement**  
Francesco De Palma
- 2008      **Web 3.0 : Interrogation intelligente**  
Frédéric Favre
- 2007      **Sentiers pédestres et tags RFID pour services audio**  
Olivier Crettol
- 2007      **Wine Matket RFID : Information au consommateur**  
Alexandre Pierroz
- 2007      **Wine Market – RFID : échange d'information**  
Gianluca Preite
- 2006      **Objets courants comme véhicule d'information**  
Christian Bumann
- 2006      **Base de connaissances automatisée**  
Raphielda Mariampillai
- 2006      **Automatisation de la gestion de compétences**  
Grégory Martin
- 2004      **Web Sémantique : site expert**  
Patrick Savioz
- 2003      **XML-Forms et normes XML**  
Rodrigue Vaudan
- 2003      **Formats d'échange entre plates-formes e-learning**  
Maret Anne-Murielle
- 2001      **Génération à partir de documents LaTeX pour une publication sur Internet : XML ?**  
Pierre Jambers

## Publications – Book chapters

- 2009 **Memodules as tangible shortcuts to multimedia information**  
Elena Mugellini, Denis Lalanne, Omar Abou KHaled, Rolf Ingold, Sandro Gerardi, Bruno Dumas, Florian Evequoz, Anne Le Calvé, Alexandre Boder  
In Human Machine Interaction,  
LNCS 5440, Springer- Verlag, Berlin/Heidelberg (2009).
- 2009 **A language and a methodology for prototyping user interfaces for control systems**  
Matteo Risoldi, Vasco Amaral, Bruno Barroca, Kaveh Bazargan, Didier Buchs, Fabian Cretton, Gilles Falquet, Anne Le Calvé, Stéphane Malandain, and Pierrick Zoss  
In Human Machine Interaction, vol. 5440, pp. 223-252,  
Springer Berlin/Heidelberg. (2009)

## Publications – Journal articles

- 2014 **Using Semantic Web Technologies in Heterogeneous Distributed Database System: A Case Study for Managing Energy Data on Mobile Devices (submitted)**  
Liu Zhan, Le Calvé Anne, Cretton Fabian, Glassey Nicole  
International Journal of New Computer Architectures and their Applications (IJNCAA), 4(2), pp. 56-69.
- 2000 **Database merging strategy based on logistic regression**  
Anne Le Calvé and Jacques Savoy  
IPM, Volume 36 , Issue 3(341 - 359)

## Publications – Conference and workshop papers

- 2014 **MUSYOP: Towards a Query Optimization for Heterogeneous Distributed Database System in Energy Data Management**  
Liu Z., Cretton F., Le Calvé A., Glassey N., Cotting A and Chapuis F.  
International Conference on Computing Technology and Information Management (ICCTIM2014), Dubai, pp. 259-267, 2014
- 2013 **A Framework for Semantic Business Process Management in E-Government**  
Liu Z., Le Calvé A., Cretton F., Evéquoz F., and Mugellini E.  
IADIS International Conference on WWW/Internet, Fort Worth, Texas, USA, 2013
- 2013 **A Friendly Localized Platform for Multilingual Semantic Communication**  
Cretton F., Liu Z., and Le Calvé A.  
Actes du 5<sup>e</sup> Colloque National sur la Recherche en Informatique et ses Applications, Ziguinchor, Sénégal, Avril 2013
- 2013 **Fairtrace - A Semantic-Web Oriented Traceability Solution Applied To The Textile Traceability**  
Bruno Alves, Michael Schumacher, Fabian Cretton, Anne Le Calvé, Gilles Cherix, David Werlen, Christian Gapany, Bertrand Baeryswil, Doris Gerber and Philippe Cloux, in:  
Proceedings of the 15th International Conference on Enterprise information Systems (ICEIS 2013), SCITEPRESS Digital Library, 2013

- 2006      **Data Mining et trajectoires individuelles en prestations d'Assurance Risques en Assurance-Finance et Modèles Statistiques**  
Le Calvé A., Scaglione  
F-Angers, 15-16.11.06
- 2004      **Mobile Learning - the virtual "paper" advantages and characteristics**  
Le Calvé A., Salamin A.-D.,  
International Conference on Engineering Education and Research "Progress Through Partnership" © 2004 VŠB-TUO, Ostrava, ISSN 1562-3580
- 1997      **Un nouveau modèle de recherche d'informations pour INTERNET**  
Le Calvé A., Savoy J.  
Actes JST97 FRANCIL 1997, Avignon, France, 99-103.
- 1997      **Data Fusion and Collection Fusion**  
Savoy J., Le Calvé A., Vrajitoru D.  
Report on the TREC-5 Experiment, Proceedings TREC'5, Gaithersburg (MD), NIST  
Publication 500-238, 489-502. (1997, November)