

CURRICULUMVITAE

 Institute
Information Systems



Prof. Alexandre Cotting



Contact

Title	Professor
First name	Alexandre
Family name	Cotting
Address	HES-SO Valais, Technopôle 3
City	3960 Sierre
Country	Switzerland
Phone	+4127 606 90 16
Mobile	+4179 408 54 53
E-Mail	alexandre.cotting@hevs.ch
Website	http://www.hevs.ch/fr/rad-instituts/institut-informatique-de-gestion/collaborateurs/professeure-hes/cotting-1588

Biography

Prof. Alexandre Cotting has been Professor in the Institute of Information Systems at the University of Applied Sciences Western Switzerland (HES-SO) since 2010. He previously worked, as a manager, during 5 years at the RFID Center of Sierre and before that in the domains of electricity management, video acquisition and image processing, and mobile services development. He holds a MsC in electrical science and a MsC in Management of Technology from the EPFL in Lausanne.

He has administrated the FP7 Khresmoi project and is currently working on several projects in the field of eHealth management (Alcotra e-Res@mont), eTourism (SanTour) and eGov (TransDEM).

Research Interest

- Open Data and eGov
- eHealth management – Altitude Sickness - Health and Tourism

Skills

Open Data, Information Systems for Open Data, Hackathons, Rapid prototyping, crowded-based creativity and innovation, Data acquisition, Image processing, Agile and SCRUM Project management, Energy management

Education

- 2003 **Master in Management of Technology**
MoT, EPF Lausanne, Switzerland
- 1999 **Diploma and Master of Electrical Engineering**
EPF Lausanne, Switzerland

Experience

- 2010 – Present **University of Applied Sciences Western Switzerland (HES-SO), Sierre, Switzerland**
Professor HES
- 2005 – 2010 **Icare Research Institute – HES-SO, Sierre, Switzerland – RFID Technology Center and Mobile Services Development**
Project Manager and Manager
- 2004 **SwissElectricity.com SA, Geneva, Switzerland – Energy savings consulting**
Project Manager
- 2001 – 2003 **Euresys SA, Angleur, Belgium – Video acquisition board and image processing tools manufacturer**
Field application engineer
- 2000 – 2001 **Mobile News Channel SA, Lausanne, Switzerland – Mobile services company**
Software engineer

Projects

- 2016 **SanTour**
Creating a new health tourism offer: Promoting safe practice of hiking and adapted to the physical abilities of the hiker
- 2016 **e-Res@mont**
Mountain Medical Applications around Mont Blanc – Severe Altitude Sickness
- 2015 – **Algodystrophy gloves**
2016 Development of a gloves prototype with sensors allowing to collect data for further algodystrophy fundamental research
- 2015 – **TransDEM**
2016 Transparency and Democracy 2.0
- 2010 – **Khresmoi**
2014 Multilingual, multimodal search and access system for biomedical information and documents. – Management of the project
- 2013 **Musyop**
MULTi SYstem OPTimisation - Optimizing a multi architecture system in a heterogeneous data processing context
- 2012 **iBat**
Information System for accessing data and managing event on a local micro-grid
Partner: CREM, CSEM, HES-SO Valais-Sion, Geroco SA, Alro Communication SA
- 2011 **IntBat**
Information System centralizing energy data coming from different existing systems of building energy management
Partner : HES-SO Valais-Sion, HES-SO Fribourg, HES-SO Neuchatel
- 2010 - **SmartBat**
2011 Information System for energy follow-up and audit of sets of building
Partner : CREM, EnerConseil, Alro Communication SA, Etat du Valais, Energo
- 2009 – **Trace and Transparency**
2012 Information System and mobile application for AOC local alimentary products

Teaching activities – Courses

2010 - Present	Project Management Agility and SCRUM
2014 - Present	Open Concepts Open Source, Open Hardware, Open Data, Hackathons
2013 – Present	Web Technologies : RIA HTML5, CSS3 and Javascript
2010 – Present	Projects coaching Projects thematics supply, coaching during the project
2010 – 2011	Basics of programming Introduction to Java

Teaching activities – Master and bachelor projects supervision

2016	Master thesis – Democracy 2.0 Study on the ICT tools that would support and sustain more democracy in our societies
2016	Bachelor thesis - City-eye radar Study and developpment of web interfaces helping finding the best itinerary for reduced mobility people
2015	Bachelor thesis - Colors and abnormalities of the skin Development of a system for collecting images from a multi-spectral camera in the case of skin abnormalities for helping medical diagnosis
2011	Bachelor Thesis – Axianet CRM/ERP study on existing solution and adaptation for Axianet.ch
2011	Bachelor Thesis – Easyswap.org Easyswap.org mobile version and/or iPad/iPhone application
2011	Bachelor Thesis – Study Course IT Systems Management Tools development for Chinese lessons

Publications – Book chapters

- 2008 **Mobile Commerce: opportunities and challenges A GS1 Mobile Com White Paper, Technical aspects on Information System for mobile traceability using 2D barcodes**
Alexandre Cotting

Publications – Journal articles

- 2016 **From Data to Decisions**
Sokhn Maria, Alexandre Cotting, Florian Evéquoz and Arnaud Zufferey
- 2015 **From data to data's transparency**
Sokhn Maria, Alexandre Cotting, Eliane Maalouf and Arnaud Zufferey
- 2014 **I-BAT : A Data-intensive Solution based on the Internet of Things to Predict Energy Behaviours in Microgrids**
Antonio J Jara, Luc Dufour, Gianluca Rizzo, Dominique Genoud, Alexandre Cotting, Yann Bocchi and François Chabbey
- 2013 **MULTI-SYSTEM OPTIMISATION**
Nicole Glassey Balet, Anne Le Calvé, Alexandre Cotting, Zhan Liu, Fabian Cretton, Benjamin Nanchen and Fabrice Chapuis, (2013), in: Flash informatique:7(29-31)
- 2010 **Comment améliorer la qualité dans les PME du secteur agro-alimentaire grâce aux nouvelles technologies de l'information ?**
Swiss Food Research Laurence Nicolay, Alexandre Cotting, Laurent Bagnoud and Kenzelmann Pierre
- 2005 **Genetic material on market – A new challenging field for RFID**
Yann Bocchi, Alexandre Cotting and Vincent Pellissier Workshop Böttstein, Proc. of IPLnet

Publications – Conference and workshop papers

- 2014 **MUSYOP: Towards a Query Optimization for Heterogeneous Distributed Database System in Energy Data Management**
Zhan Liu, Fabian Cretton, Anne Le Calvé, Nicole Glassey Balet, Alexandre Cotting and Fabrice Chapuis