

Curriculum vitae and research works

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University of applied sciences, western Switzerland
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EDUCATION

- **June 1988:** Diploma of Computer Science engineer (Master) from the Ecole Nationale des Sciences de l'Informatique (ENSI): National Computer Sciences Engineering School, Tunisia. June 1988.
- **June 1991:** Ph.D. degree, University of Valenciennes, France. June 1991.

PROFESSIONAL EXPERIENCE

- **1990-1991 :** Attaché Temporel d'Enseignement et de Recherche (ATER). Univ. of Valenciennes (France).
- **1991-1998:** Assistant professor. University of Tunis II (Faculté des Sciences de Tunis), Tunis.Tunisia.
- **1999-2000:** Research Assistant at Swiss Federal Institute of Technology (EPFL). Switzerland.
- **2001-2008:** Assistant Professor at University of Applied Sciences, Western Switzerland (HES-SO). haute école du paysage, d'ingénierie et d'architecture (hepia)
- **2008 - 2017:** Associate professor at University of Applied Sciences, Western Switzerland (HES-SO, hepia).
- **Since 2017:** Full professor at University of Applied Sciences, Western Switzerland (HES-SO, hepia).
- **Since 2010:** Head of "inIT Research institute in Computer engineering and telecommunications"
- **Since 2010:** Leader of the Large Scale Distributed System (LSDS) research group (<http://lsds.hesge.ch>)

TEACHING ACTIVITIES

- Bachelor courses: Distributed systems, Introduction to Cloud.
- Master courses: Advanced Cloud, Internet of Things.

See details in this link: <http://lsds.hesge.ch/teaching/>

MSc / PhD THESIS SUPERVISION

- PhD - Houcem Ben Mahfoudh, Spatial services in the IoT, (2016 - ...)
- PhD - Anthony Boulmier, An Autonomic Approach for the Selection of Robust Dynamic Loop Scheduling Techniques , (2016 - ...)
- PhD - Mohamed Ben Belgacem, Distributed and multiscale computing for scientific applications (2009 - 2014)

- MSc - Anthony Boulmier, An autonomic computing approach for selecting dynamic loop scheduling algorithms, HES-SO, 2016.
- MSc - Olivier Belli, Designing and Developing Cost Optimization Cloud Application Placement Tool, HES-SO, 2016.
- MSc - Romain Gisiger, Towards a Cloud computing platform for Internet of Things Infrastructure, HES-SO, 2015.
- MSc - Khaled Basbous, Cloud Based Decision Support System for Urban Numeric Data, HES-SO, 2015
- MSc - Lionel Schaub, Towards a multi-cloud applications deployment platform, HES-SO, 2013

- MSc - Heithem Hafsi, A Hybrid Grid/Cloud Distributed platform : a case study, ENSI, 2012
- MSc - Zeineb Gouider, La gestion de sécurité dans les grilles de calcul, ESSTT, 2011
- MSc - Mohamed Wiem Mkaaouar, Contribution à la conception et au développement d'une couche de sécurité dans le middleware de calcul Volontaire XtremWeb-CH, ESTT, 2011
- MCs – Interopérabilité et portabilité dans les grilles de calcul, étude de gestion de workflow.

CONFERENCE ORGANISATIONS & SCIENTIFIC ACTIVITIES

- 2017: co-organiser of IoT-Week'2017 (iot-week.eu)
- 2017: co-organiser of Smart City Day 2017 (SCD'2017)
- 2012- ...: Member of the steering committee of *Internet of Things for urban innovation* (iNUIT) thematic research programme of HES-SO.
- 2008 – 2011: Member of the scientific committee of “Réseau de Compétences des Technologies de l'Information et de la Communication” (RCSO-TIC), HES-SO
- 2010- ...: Member of the steering committee of *Green and Pervasive Cloud Computing* (GPC) conference
- 2008-2013: Member of the Executive Board of the Swiss national Grid association (SwiNG)
- 2009: Conference chair of GPC'2009
- 2009: Organiser of Swiss Grid School (SGS'2009)
- 2007: Conference chair of Ada-Europe'2007

LECTURES, TUTORIALS, PRESENTATIONS (Since 2010, short list)

- Cloud Computing lecture, October 2016, SupCom Tunis
- Boosting research performance with high performance computing, May 2016, Indiana University - Purdue University Indianapolis (IUPUI)
- SWITCH ICT Focus Meeting, Nov. 2015, Basel, Switzerland
- eScience Coordination Team Meeting Oct. 2015, Bern, Switzerland
- Towards a high level framework to develop and run e-science applications on Cloud infrastructures, August 2015, Mississippi State University (MSU).
- Forum Sup'Com, e-Revolution, December 2014: Internet of Things and Cloud, Tunis, Tunisia
- GridKa 2013 tutorial: Combining Grid and Cloud for e-sciences applications, Tutorial, GridKa summer School, August 2013, Kursruhe, Germany.
- Combining Cloud and Grid for High performance computing, Tutorial, GridKa summer School, August 2012, Kursruhe, Germany.
- Cloud Computing in the service of e-sciences, ITU workshop, June 2012, Tunis, Tunisia.
- Virtual-EZ-Grid : A desktop Grid platform for medical applications, Swiss Grid Day 2010, November 2010, Bern, Switzerland.
- XtremWeb-CH Presentation, SwiNG 2010
- Using the Virtual EZ Grid Platform to deploy scientific medical applications, AlmereGrid workshop (EDGEs FP7 project), March 2010, Almere, Netherland.
- Distributed Systems lecture, April 2010, ESSTT (Tunis)

INDUSTRIAL ACTIVITIES

founder of two companies in Tunisia and Switzerland: Tanit Informatique and Speed4all (www.speed4all.ch)

LIST OF PUBLICATIONS

See this link : http://lsds.hesge.ch/papers_nail_abdennadher/

EXTRENNALLY FUNDED RESEARCH PROJECTS

See list of projects in this link: <http://lsds.hesge.ch/projects/>