

CV: Nabil Abdennadher

1. Personal information

Researcher's unique identifier(s): [orcid.org/ 4,364,869](https://orcid.org/4364869)

Date of birth: 01.10.1964

URL for web site: <https://lsds.hesge.ch/nabil-abdennadher/>

2. Education

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

3. Employment history

Since 2017	Full professor at University of Applied Sciences, Western Switzerland (HES-SO, HEPIA).
2008 – 2017	Associate professor at University of Applied Sciences, Western Switzerland (HES-SO, HEPIA).
2001 – 2008	Assistant Professor at University of Applied Sciences, Western Switzerland (HES-SO, HEPIA).
1999 – 2000	Research Assistant at Swiss Federal Institute of Technology (EPFL). Switzerland.
1991 – 1998	Assistant Professor. University of Tunis II (Faculté des Sciences de Tunis), Tunis, Tunisia.
1989 – 1990	Attaché Temporel d'Enseignement et de Recherche (ATER). Univ. of Valenciennes (France).

4. Institutional responsibilities

Since 2013	Leader of the Large Scale Distributed System (LSDS) research group (http://lsds.hesge.ch)
Since 2010	Head of “inIT Research institute in Computer engineering and telecommunications”, HEPIA, HES-SO.
Since 2010	Member of the “Comité de pilotage du MSE de la HES-SO” (Steering committee of the Master of Science in Engineering of the HES-SO)

5. Approved research projects

22 approved research projects funded by HES-SO, CTI, Innosuisse, Swissuniversities, Switch-AAI and FP7. These projects are in the following areas: High Performance Computing, Parallel and Distributed Computing, Edge and Cloud Computing, Internet of Things, Smart City, Smart agriculture, Smart Energy, Urban Computing.

For further details, see this URL: <http://lsds.hesge.ch/projects/>

6. Publications

See list of publications (since 2005), at this link: <http://lsds.hesge.ch/papers/>

7. Supervision of junior researchers at graduate and postgraduate level

PhD

- PhD - Houcem Ben Mahfoudh, Spatial services in the IoT, (2016 - ...). co-supervised by Prof. Giovanna Di Marzo Serugendo, University of Geneva
- PhD - Anthony Boulmier, An Autonomic Approach for the Selection of Robust Dynamic Loop Scheduling Techniques, (2016 - ...), co-supervised by Prof. Bastien Chopard, University of Geneva
- PhD - Mohamed Ben Belgacem, Distributed and multiscale computing for scientific applications (2009 - 2014), co-supervised by Prof. Bastien Chopard, University of Geneva

Master

- Nizar Bouchedackh, Adaptive Trust Framework for IoT applications, March 2018 (HES-SO, MSE)
- Anthony Boulmier, An autonomic computing approach for selecting dynamic loop scheduling algorithms, September 2016 (HES-SO, MSE)
- Olivier Belli, Designing and Developing Cost Optimization Cloud Application Placement Tool, September 2016 (HES-SO, MSE)
- Romain Gisiger, Towards a Cloud computing platform for Internet of Things Infrastructure, 2015 (HES-SO, MSE)
- Khaled Basbous, Cloud Based Decision Support System for Urban Numeric Data, 2015 (HES-SO, MSE)
- Lionel Schaub, Towards a multi-cloud applications deployment platform, 2013 (HES-SO, MSE)
- Heithem Hafsi, Towards a Hybrid Grid/Cloud Distributed platform : a case study, 2012 (ENSI)
- Zeineb Gouider, La gestion de sécurité dans les grilles de calcul, 2011 (ESSTI)
- Mohamed Wiem Mkaouar, Contribution à la conception et au développement d'une couche de sécurité dans le middleware de calcul Volontaire XtremWeb-CH, 2011 (ESSTI)
- Khaled Hassane, Interopérabilité et portabilité dans les grilles de calcul, étude de gestion de workflow, 2011 (ESSTI)

8. Teaching activities

- Bachelor courses: Operating Systems concepts, Algorithmic Complexity, Distributed systems, Introduction to Cloud.
- Master courses: Cloud Computing, Advanced Cloud, Internet of Things.

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

9. Recent Memberships in panels, boards, etc., and individual scientific reviewing activities

Keynote & invited talk (2019)

- February 2019: *Using Trust to assess data integrity in IoT applications*, Swiss Cyber Security Day (SCSD'2019), Fribourg, Switzerland,
- April 2019: *How eScience can boost the research in Switzerland* (high level session), WSIS'2019, ITU, Geneva, Switzerland
- April 2019: *Combining Edge and Cloud* (keynote speaker), GRAT'2019, Tunis, Tunisia
- October 2019: *Towards a hybrid edge/ cloud platform for assessing Trust in IoT applications*, ISC2'2019, Casablanca, Morocco
- October 2019: *Combining Edge and Cloud for smart cities applications*, IoTSMMS'2019, Granada, Spain

Steering and program committees

- Since 2010: Member of the steering committee of *Green and Pervasive Cloud Computing* (GPC) conference
- Member of several program committees of international conferences: CRATT, ISC2, GPC, ISPD, ADA-EUROPE, IoT-Week

10. Active memberships in scientific societies, fellowships in renowned academies

- Since 2020: Representative of the *Swiss Alliance for Data-Intensive Services* in Swiss Romande
- Since 2019: Member of the Editorial Board of the *Journal of Reliable Intelligent Environments*
- Since 2012: Member of the steering committee of *Internet of Things for urban innovation* (iNUII) 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
- Since 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)
- Since 2000: IEEE member

11. Organisation of conferences

- 2018 : ISPD'2018 (<http://lsds.hesge.ch/ISPD2018>)
- 2017 : IoT-Week'2017 (<http://iot-week.eu/iot-week-2017/>)
- 2009 : GPC'2009 (<http://lsds.hesge.ch/gpc2009/>)
- 2009 : Swiss Grid School (SGS'2009)
- 2007 : Ada-Europe'2007 (<http://lsds.hesge.ch/adae2007/>)