

## PERSONAL INFORMATION

## Abdallah A. Z. A. IBRAHIM

 49 Rue Dicks, 4081 Esch sur Alzette (Luxembourg)

 (+352) 661 420 855

 abdallah.cisco@gmail.com

 [www.linkedin.com/in/Aazal](https://www.linkedin.com/in/Aazal)  <http://staff.uni.lu/abdallah.ibrahim>

 Skype abdallah\_zain@ci.suez.edu.eg | [Google Hangouts](#) abdallah.cisco@gmail.com

Sex Male | Date of birth 24 Oct 1989 | Nationality Egyptian

## WORK EXPERIENCE

Nov 2015–Present

**Doctoral researcher & Teaching Assistant**

University of Luxembourg, Esch- Belval (Luxembourg)

<https://wwwfr.uni.lu>**SnT - Faculty of Science, Technology and Communication (FSTC):**

Research activities related to my PhD topic “Performance Evaluation of SaaS Services on the Cloud” | Teaching duties including seminars, project groups, and lectures (in English language) | Assisting master students through their research.

Nov 2010–Present

**Cisco Instructor / Legal Main Contact**

Suez Canal University, Ismailia (Egypt)

<https://www.netacad.com/fr/node/19106>**Cisco Networking Academy:**

- Working as the legal main contact and manager to the CISCO academy in Suez Canal University.
- Teaching CCNA course in the Academy, enroll the students and teach them.

Mar 2016–May 2016

**Visiting Researcher**

Poznan Super-computing and Networking Center, Poznan (Poland)

<http://www.man.poznan.pl/online/en/>**PSNC:**

- Built a Virtual desktop infrastructure (VDI) environment with VMWare and PSNC.
- Worked on the SLA and quality measurements for VDI users and energy consumption reduction by using VDI.

Feb 2014–Jul 2015

**Research and development**

SnT- University of Luxembourg, Luxembourg (Luxembourg)

<https://wwwfr.uni.lu/snt>**SnT - Interdisciplinary Centre for Security, Reliability and Trust.**

Developed a mobility model for Luxembourg, Ivory Coast, and Senegal through Orange Data for Development (D4D) project: Using PHP and open street maps.

Jul 2012–Aug 2013

**Network Administrator**

Suez Canal University, Ismailia (Egypt)

<http://ci.scuegypt.edu.eg>**FCI SCU IT Unit:**

- Worked as the head of the network of the Faculty of Computer and Informatics inside the IT unit.
- Worked as a Network Engineer (Network Administrator) at FCI SCU at ITunit in the faculty.

Dec 2010–Aug 2013

### Oracle Developer and Instructor

FCI Information Center, Ismailia (Egypt)  
<http://ci.scuegypt.edu.eg>

#### Development & InformationCenter:

- Trained the employees of the faculties of Suez Canal University on ORACLE Run time.
- Taught Oracle development classes on ORACLE 10g and 11g on Developer 6i and 10g and the Oracle Report Builder.
- Taught the practical aspect of DataBase 1 and DataBase 2 courses.
- Participated in developing new database systems in the university.
- Maintained all the old database systems.

Nov 2010–Aug 2013

### Teaching Assistant

Suez Canal University, Ismailia (Egypt)  
<http://scuegypt.edu.eg/en/>

#### Faculty of Computers & Informatics:

Giving lab sessions in programming languages such as C++, Java, and Networking and, classes on data/file structures and databases.

## EDUCATION AND TRAINING

Nov 2015–Present

### PhD Candidate

University of Luxembourg, Esch-Belval (Luxembourg)  
<https://wwwfr.uni.lu>

**Thesis:** Performance Evaluation of SaaS Services on the Cloud | **Advisor:** Prof. Pascal Bouvry |  
**Committee:** Prof. Ulrich Sorger, Dr Sebastien Varrette, Dr Dzmity Kliazovich.

Feb 2018–Feb 2019

### Smart ICT for business innovation Certificate

University of Luxembourg, Esch-Belval (Luxembourg)  
<https://wwwfr.uni.lu>

The certificate is in collaboration with **ILNAS** and funded by **Dell EMC** | **Thesis:** Best Practices for Cloud Migration and Service Level Agreement Compliances | **Advisor:** Dr. Sebastien Varrette & Mr. Frederic Niessen | **Grade:** 18 ECTS

Feb 2017

### Winter School: NESUS / PhD Symposium

University of Calabria, Calabria (Italy)  
<http://scalab.dimes.unical.it/nesus-school/>

The school provides many courses related to Ultrascale systems, parallel and distributed computing systems.

Aug 2016

### Summer School: Smart Cities

TU Wien Atominstitut, Vienna (Austria)  
[https://www.tuwien.ac.at/aktuelles/news\\_detail/article/124242/](https://www.tuwien.ac.at/aktuelles/news_detail/article/124242/)

The school provided many courses related to smart cities from the engineering, computational, physics, and urban point of view.

Jun 2016

### Summer School: 2nd IEEE Communication Society

University of Trento, Trento (Italy)  
<https://webmagazine.unitn.it/en/news/direct/8470/2016-ieee-comsoc-summer-school>

The school provided many courses related to communications and networking protocols.

Sep 2013–Jul 2015

### Master 2: Master in information and Computer Science

University of Luxembourg, Luxembourg (Luxembourg)

<https://wwwfr.uni.lu>

**Thesis:** SLA Assurance in Cloud Computing Datacenters | **Advisor:** Prof. Pascal Bouvry | **Grade:** 125/120 ECTS | **Profiles:** Networking and Communication systems.

Sep 2011–Jul 2012 **Master 1: Computer Science, Media Informatics**

Suez Canal University, Ismailia (Egypt)

<http://ci.scuegypt.edu.eg>

**Grade:** 1.4 = very good with honor.

Sep 2006–Jul 2010 **Bachelor of Computer Science**

Suez Canal University, Ismailia (Egypt)

<http://scuegypt.edu.eg/en/>

**GPA:** 3.6/4 – 2<sup>nd</sup> rank | **Graduation project:** LAN Designer Tool | **Project grade:** Excellent.

## PERSONAL SKILLS

**Mother tongue(s)** Arabic

**Foreign language(s)**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	B2	C2
French	B1	B1	B2	B1	A2
Luxembourgish	B1	B1	B1	B1	B1
German	A1	A2	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

## ADDITIONAL INFORMATION

**Technical strengths**

- JAVA
- C/C++, C#
- Python
- R Language / Shiny (R studio)
- Xtext
- PL/SQL
- Assembly
- TCL/ Otcl
- Perl
- HTML / CSS / PHP
- Matlab

**Others:**

- **Parallel programming:** MPI / Open MP (C/C++)
- **Web:** PHP / HTML / Java Script
- **Mobile:** Android / IOS(Objective C)
- **Databases:** Relational / NoSQL
- **OS:** Windows, Linux
- **Network Administration:** CCNA Certified Instructor
- **Simulation & Modeling:** Packet Tracer / NS2 / Matlab

## Honours and awards

**January 2018:** Best paper award in the 32nd IEEE International Conference on Information Networking (ICOIN 2018)  
**July 2013 - July 2015:** Fully funded Erasmus Mundus scholarship awarded by the European Union  
**July 2010:** Ranked second for my academic performance on the whole student's cohort of 2006.

## Publications

- [1] Abdallah A. Z. A. Ibrahim, D. Kliazovich, and P. Bouvry "Service Level Agreement Assurance between Cloud Services Providers and Cloud Customers," 16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid), 2016
- [2] Abdallah A. Z. A. Ibrahim, D. Kliazovich, and P. Bouvry "On Service Level Agreement Assurance in Cloud Computing Data Centers," IEEE 9th International Conference on Cloud Computing (CLOUD), 2016
- [3] Abdallah A. Z. A. Ibrahim, D. Kliazovich, P. Bouvry and A. Oleksaik "Virtual Desktop Infrastructures: architecture, survey and green aspects proof of concept," 7th INTERNATIONAL GREEN and SUSTAINABLE COMPUTING CONFERENCE (IGSC) (First RE-HPC workshop), 2016
- [4] Abdallah A. Z. A. Ibrahim, D. Kliazovich, P. Bouvry and A. Oleksaik "Using Virtual Desktop Infrastructure to Improve Power Efficiency in Grinfy System," 8th IEEE International Conference on Cloud Computing Technology and Science (CloudCom), 2016
- [5] U.Wasim, Abdallah A. Z. A. Ibrahim, P. Bouvry and T. Limba "Law as a Service (LaaS): Enabling Legal Protection over a Blockchain Network," 14th IEEE International Conference on Smart Cities: Improving Quality of Life using ICT IoT (HONET-ICT 17), 2017
- [6] U.Wasim, Abdallah A. Z. A. Ibrahim, P. Bouvry and T. Limba "Self-Regulated Multi-criteria Decision Analysis: An Autonomous Brokerage-Based Approach for Service Provider Ranking in the Cloud," 9th IEEE International Conference on Cloud Computing Technology and Science (CloudCom), 2017
- [7] Abdallah A. Z. A. Ibrahim, S. Varrette and P. Bouvry "PRESENCE: Toward a Novel Approach for Performance Evaluation of Mobile Cloud SaaS Web Services," 32nd IEEE International Conference on Information Networking (ICOIN), 2018
- [8] Abdallah A. Z. A. Ibrahim, S. Varrette and P. Bouvry "PRESENCE: Performance Metrics Models for Cloud SaaS Web Services," 11th IEEE International Conference on Cloud Computing (CLOUD), 2018
- [9] Abdallah A. Z. A. Ibrahim, S. Varrette and P. Bouvry "PRESENCE: Monitoring and Modelling the Performance Metrics of Mobile Cloud SaaS Web Services," Mobile Information Systems Journal (Hindawi), 2018
- [10] Abdallah A. Z. A. Ibrahim, S. Varrette and P. Bouvry "On Verifying and Assuring the Cloud SLA by Evaluating the Performance of SaaS Web Services Across Multi-cloud Providers," 48th Annual IEEE/IFIP International Conference on Dependable Systems and Networks Workshops (DNS), 2018
- [11] Abdallah A. Z. A. Ibrahim, S. Varrette and P. Bouvry "PRESENCE: A Framework for Monitoring, Modelling and Evaluating the Performance of Cloud SaaS Web Services," 48th Annual IEEE/IFIP International Conference on Dependable Systems and Networks Workshops (DNS), 2018
- [12] P. Bouvry, S. Varrette, U.Wasim, Abdallah A. Z. A. Ibrahim, B. Xavier, and T. Trinh "Security, reliability and regulation compliance in Ultrascale Computing System," Book Chapter: Ultrascale Computing Systems Book, 2018

## Teaching

### Undergraduate Courses:

- Faculty of Science, Technology and Communication (FSTC), University of Luxembourg (Belval, Luxembourg)
- Distributed Systems (2015/2016) (2016/2017) (2018/2019)

### Networking & Databases (2010 – 2013):

- Faculty of Computers & Informatics, Suez Canal University (Ismailia, Egypt).
- Faculty of Sciences, Suez University (Suez, Egypt).
- Database Systems (Oracle) (Ismailia, Egypt).
- File Structure, and Computer Networks (Ismailia, Egypt).
- CISCO Academy: CCNA Modules (Ismailia, Egypt).

## References

All certificates, proves and documents are available upon request.