**Academic Curriculum Vitae**

**Reham Adel Mohamed**

Department of Mathematics/Computer

Faculty of Science Mobile: +2 01016635027

Cairo University Email: reham@sci.cu.edu.eg

Giza, Egypt 12613

**Education**

[2014 - Present] **PHD** Candidate Computer Science, Cairo University, Egypt

[Sep. 2013] **M.Sc** Computer Science, Cairo University, Egypt

[May 2007] **B.Sc.** (Very Good [82.14%]) Computer Science, Cairo University, Egypt

(Ranked 2th in class of 150)

**Professional Positions**

[2013 - Present] Lecturer Assistant, Computer Science, Cairo University, Egypt

[2008 - 2013] Teaching Assistant, Computer Science, Cairo University, Egypt

**Research Interest**

Optical Networks, Network Simulation, WDM networks, Optimization.

**Publications**

* [Reham Adel](http://dblp.uni-trier.de/pers/hd/a/Adel:Reham), Tawfik Ismail and [Haitham S. Hamza](http://dblp.uni-trier.de/pers/hd/h/Hamza:Haitham_S=), “**Design and analysis of a Bufferless Optical Packet Switch Architecture with Wavelength Optical Crossbars”.** *IEEE, WOCC*, pp. 653-658, 2013.
* [Haitham S. Hamza](http://dblp.uni-trier.de/pers/hd/h/Hamza:Haitham_S=) and Reham Adel, “**Synchronous Optical Packet Switch Architecture with Tunable Single and Multi-Channels Wavelength Converters”.** *International Journal of Optical Fiber Technology (OFT), Vol. 36,*

*pp. 281-290, July, 2017.*

* [Haitham S. Hamza](http://dblp.uni-trier.de/pers/hd/h/Hamza:Haitham_S=) and Reham Adel, “**Hybrid Wavelength Conversion With Dynamic**

**Pump-Wavelength Selection for Synchronous Optical Packet Switching”.** *International Journal of Optical Fiber Technology (OFT), Vol. 46, pp.* *125-136,*

*Dec., 2018.*

**Academic Honors, Awards, Fellowships and Scholarships**

[2007] Prof. **Atiyaa Ashour** Award for the “first Position” in Computer Science Department, Faculty of Science, Cairo University

[2007] Scientific Occupations Syndicate Award

[2006] Schlumberger Scholarship Award

**Teaching Experience, Courses Taught**

* **Object Oriented Programming**
* **System Analysis and Design**
* **Operating Systems And Database Systems**
* **Compilers And Formal Languages**
* **Artificial Intelligence And Prolog**
* **Calculus I, II**
* **Networks**

**Technical Skills**

**Programming Skills**

* C++.
* Visual C++
* Java
* Matlab

**Markup Languages**

* LaTeX
* HTML.

**Languages**

* Arabic: Native Language.
* English: Very Good

**References**

References are furnished upon request.