



# Yasser Mohammed Sabry Gad Aboelmagd

**Assistance Professor at Ain Shams University (ASU), Faculty of Engineering, Electronic and Communication Engineering Department ECED, Cairo, Egypt.**

1 Elsarayat St. Abbassia, 11517, Cairo, Egypt.

Tel. (202) 2738854

Mob: (2) 1001834833

Email : [yasser.sabry@eng.asu.edu.eg](mailto:yasser.sabry@eng.asu.edu.eg)

## **Personal Information**

**Date of birth:** May 21, 1982

**Place of birth:** Kuwait

**Nationality:** Egyptian

**Languages:** Arabic – English

## **Education**

**Doctor of Philosophy (October 2013)** – ESIEE Engineering, Paris-Est University, Paris, France.  
Thesis title: Acylindrical and Aspherical Microscale Mirrors: Principles, Technology and Applications to Miniature Optical Benches.

**Master of Science (June 2009)** - Electronics & Communication Engineering,  
Faculty of Engineering, Ain Shams University, Cairo, Egypt. Thesis title: Simulation of Quantum Transport in Nanoscale Devices

**Bachelor of Science (August 2005)** - Electronics & Communication Engineering, Faculty of Engineering, Ain Shams University, Cairo, Egypt

- Cumulative Grade: **Distinction with Honor**
- Rank: **2<sup>nd</sup> out of 195**

## **Research Projects**

**2018-2019:** MEMS Tunable Optoelectronic Oscillator funded by ITIDA –ITAC PRP Program Ministry of Comm. Egypt (Principal Investigator)

**2017-2018:** Characterization and Development of Micro Spectral Sensor for High Volume Applications funded by ASRT National Program, Ministry of Higher Education and Scientific Research (Co Principal Investigator)

**2016-2017:** Compact MEMS Scanner for High-speed Light Beam Steering funded by FabCat Ministry of Comm. Egypt (Principal Investigator)

**2016-2017:** Finesse-Enhanced Optical Tunable Filter for Gas Sensing Applications funded by FabCat Ministry of Comm. Egypt (Co Principal Investigator)

**2014-2017:** MEMS IR gas sensor Module funded by RDI Programe, EU-Egypt Innovation fund (Technical Lead/Project Manager)

**2012-2013:** MEMS Optical Coherence Tomography Module funded by the NTRA and ITIDA Ministry of Comm. Egypt (Technical Lead)

**2009-2010:** Integrated High Resolution Optical MEMS Spectrometer funded by RDI Programe, EU-Egypt Innovation fund (Senior MOEMS Design Engineer)

**2008-2009:** Miniaturized MEMS Spectrometer: funded by ITIDA –ITAC PDP Program Ministry of Comm. Egypt (Senior Characterization Engineer)

**2007-2008:** Optical Fiber Sensor Project (Optical Engineer)

## **Industrial Experience**

**Si-Ware Systems** (September 2008- Present): Principal Engineer with the Optical MEMS Business Unit. A key person in the development of the optical MEMS fabrication technology SIMOST™

<http://www.si-ware.com/>

**Information Technology Industry Development Agency** (July 2008- March 2010): Consultant in the research and innovation support department

<http://www.itida.gov.eg/>

**Mentor Graphics Corporation** (September 2005-June 2008): Consultant in the device modeling and parameter extraction team

<http://www.mentor.com/>

## **Awards and prizes**

1. Member in the industrial team nominated as Prism Award finalist 2018 for Photonics Innovation, San Francisco, USA.
2. TWAS-ARO Young Arab Scientist (YAS) Prize 2017 in "Scientific and Technological Achievement in Engineering Science".

3. Member in the winner team of SEMI's MEMS & Sensor Technology Showcase Award 2017 in Europe
4. TWAS-ARO Young Affiliate for 2017-2021.
5. National Science Foundation (NSF) and the National Aeronautics and Space Administration (NASA) travel grant to the Arab-American Frontiers of Science, Engineering, and Medicine symposium 2017, Rabat, Morocco.
6. Best paper award in 34<sup>th</sup> National Radio Science Conference 2017, Cairo, Egypt.
7. National Science Foundation (NSF) and the National Aeronautics and Space Administration (NASA) travel grant to the Arab-American Frontiers of Science, Engineering, and Medicine symposium 2016, Abu Dhabi, United Arab Emirates.
8. Best paper award in 33<sup>rd</sup> National Radio Science Conference 2016, Cairo, Egypt.
9. Best paper award in 31<sup>st</sup> National Radio Science Conference 2014, Cairo, Egypt.
10. Best student paper award in SPIE Photonics West 2013, San Francisco, USA.
11. Member in the industrial team winner of the Prism Award 2014 for Photonics Innovation, San Francisco, USA.
12. Featured article in OCTnews.org. Link:<http://www.octnews.org/articles/5223550/feature-of-the-week-3-9-14-deeply-etched-optical-m/>
13. Selected as one of the pioneers in the field of engineering by the Marquise Who's Who in Science and Engineering 2011-2012 (11th Edition).

**Membership in Professional Organizations:** IEEE, OSA and SPIE

### **Personal Contact Information**

**Email:** [yasser.sabry82@gmail.com](mailto:yasser.sabry82@gmail.com)

**Mobile phone:** +201001834833

**Home addresses:** 22 Abd Elhay Hegazi St., 8<sup>th</sup> region, Nasr City, Cairo, Egypt.