

Mina Henein



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 <https://scholar.google.com/eg/citations?user=PUBFzCAAAAAJ&hl=en>

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EDUCATION

- 2016 - Today PhD candidate in Robotics, The Australian National University
The Australian Centre of Excellence for Robotic Vision
- 2013 - 2015 European Masters on Advanced Robotics, Ecole Centrale de Nantes
Università degli studi di Genova
Degrees Awarded: Masters in Automation, and Robotics.
Masters in Information Science.
- 2007 - 2012 Bachelor of Science, The German University in Cairo
Mechatronics Engineering
Graduation Grade: Excellent with honours
- 2007 College De La Salle, International French school in Cairo
Ranked 4th nation-wide

RESEARCH

- 03/2016 - Today PhD candidate in Robotics Engineering, ANU
Supervisors: Dr. Viorela Ila, Prof. Robert Mahony and Prof. Hongdong Li.
Simultaneous Localisation and Mapping in dynamic environments.
-  Australian National University
- 02/2015 - 08/2015 Masters Thesis, Autonomous Systems Lab, ETH Zürich
Supervisors: Dr. Péter Fankhauser, Prof. Marco Hutter and Prof. Roland Siegwart.
Kinematic Planning for Challenging Maneuvers with a Legged Robot.
-  ETH zürich
- 04/2014 - 07/2014 Semester Project (Masters), Italian Institute of Technology, Genoa
Dynamic Legged System Lab.
Supervisors: Prof. Roy Featherstone and Prof. Claudio Semini.
Skippy: the high-jumping hopper.
-  IIT ISTITUTO ITALIANO DI TECNOLOGIA

EMPLOYMENT

- 06/2019 - Today EduTech Australia
Director of EduTech Australia Innovators Academy ACT.
- 2016, 2017, 2018 Tutor, The Australian National University
Courses: Robotics ENGN4627/6627, Control Systems ENGN3223/6223.
Robotic Vision Summer School, Kioloa, Australia
- 07/2012 - 07/2013 Supply Network Operations Associate Manager, Procter & Gamble, Egypt
Near-East Demand Manager for Gillette and Duracell.
- 09/2011 Intern, Schlumberger Petroleum Services, Egypt
Summer internship in the Wire Line Sector.

08/2010 Mercedes Benz, Egypt
Summer internship in the Quality Control Department.

2013 – 2019 Private Tutor
Mathematics, and MATLAB Programming.

AWARDS AND SCHOLARSHIPS

2018 Research to Impact, Canberra Innovation Network.
2018 Research Top-Up Scholarship, Australian Centre of Excellence for Robotic Vision.
2016 HDR Merit Scholarship, The Australian National University.
2016 International Student PhD Scholarship, The Australian National University.
2013 EMARo Excellence Consortium Scholarship.
2012 Honours List, Bachelor of Science, German University in Cairo, Egypt.
2007 German University in Cairo Excellence Award Scholarship.
2007 Prime-Minister, Minister of Education, Minister of Social Solidarity, Minister of Communication Honouring.
2007 German Chancellor Angela Merkel Honouring.
2007 National Top Ranked Students, 4th place nation-wide over 800,000 students, Egypt.
2000 “Le Kangourou des Maths” competition, 3rd place, France.

PUBLICATIONS

- **M. Henein**, J. Zhang, R. Mahony and V. Ila (2020).
[Dynamic SLAM: The Need For Speed.](#)
IEEE International Conference on Robotics and Automation (ICRA), 2020. (under review)
- J. Zhang, **M. Henein**, R. Mahony and V. Ila (2020).
[Robust Ego and Object 6-DoF Motion Tracking for Autonomous Driving Applications.](#)
IEEE International Conference on Robotics and Automation (ICRA), 2020. (under review)
- **M. Henein**, G. Kennedy, R. Mahony and V. Ila (2018).
[Exploiting Rigid Body Motion for SLAM in Dynamic Environments.](#)
IEEE International Conference on Robotics and Automation (ICRA), 2018. Workshop paper.
Multi-modal Robot Perception: Perception, Inference and Learning for Joint Semantic, Geometric and Physical Understanding.
- **M. Henein**, G. Kennedy, R. Mahony and V. Ila (2018).
[Simultaneous localization and mapping with dynamic rigid objects.](#)
Submitted as an arXiv paper.
- **M. Henein**, M. Abello, V. Ila and R. Mahony (2017).
[Exploring The Effect of Meta-Structural Information on the Global Consistency of SLAM.](#)
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2017.

LANGUAGES

- **Arabic:** native language,
- **English:** proficient user,
- **French:** proficient user,
- **Italian:** limited working proficiency,
- **German:** elementary proficiency, and
- **Spanish:** elementary proficiency.

03/2019 PTE Overall Score: 90.
03/2018 IELTS Band score: 8.
05/2008 DELF B2.

REFERENCES

Available upon request.