Mina Henein

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⊙ https://github.com/MinaHenein

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

🔗 https://www.linkedin.com/in/mina-henein-41660a53/

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.
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.
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.

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 Scholarhsip.
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.