

PERSONAL DETAILS

Name: Shuaiby Mohamed Shuaiby Ragab
 Place and Date of Birth: Egypt, September 5, 1981
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**RESEARCH INTERESTS**

- Robotics
- Mechatronics Systems Design
- Robots and Automated Vehicles Control
- Control System Engineering
- SMA actuators and their applications

EDUCATION

- PhD in Robotics** Sep, 2017
 Department of Mechanical Engineering, Toyohashi University of Technology, Japan
 Thesis: Design and control of a redundant wheeled drive system for fail safe motion and energy saving
- M. Sc. in Mechatronics Engineering** July, 2013
 Department of Mechanical Engineering, Assiut University, Egypt
 Thesis: Formulation, modeling and simulation of the excitation propagation in human cardiac tissues using finite element method
- B. Sc. in Mechatronics Engineering** June, 2005
 Department of Mechanical Engineering, Assiut University, Egypt
 Commutative Average Grade: 81.2/100 (with honor's degree)

POSITIONS HELD

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|--|-----------------------|
| Assistant Professor, Assiut University, Egypt | June 2018 – Present |
| Postdoctoral Researcher, Hanbat National University, South Korea | Jan 2023 – Present |
| Postdoctoral Researcher, Kyoto University, Japan | June 2022 – Dec 2022 |
| Research Fellow, Toyohashi University of Technology, Japan | Oct 2017 – March 2018 |
| PhD Student, Toyohashi University of Technology, Japan | Oct 2014 – Sep 2017 |
| Assistant Lecturer, Assiut University, Egypt | July 2103 – Sep 2014 |
| Teaching Assistant, Assiut University, Egypt | Jan 2006 – June 2013 |

TEACHING SUMMARY - June 2018- Present**Teaching the following undergraduate courses**

- Mechatronics System Design
- Introduction to Robotics

- Automatic Control (1)
- Automatic Control (2)
- Automatic Control in Mechanical Systems
- Industrial Process Control
- Engineering Analysis
- Mechatronics laboratories

Teaching the following Postgraduate courses

- Advanced Automatic Control
- Advanced Topic in Mechatronics Engineering
- Robotics

SCIENTIFIC VISITS

- Doosan Heavy Industries & Construction Co., Ltd., Changwon, South Korea, 2019
- Musashi Seimitsu Industry Co., Ltd. Toyohashi-shi, Aichi, Japan, 2016
- Toyota Motor Corporation Aichi Factory, Toyota, Aichi, Japan, 2015
- Aluminum Company of Egypt, Egypt, 2013

SCHOLARSHIPS

- Postdoctoral researcher, Hanbat National University, South Korea, January 2023
- Postdoctoral researcher with the HRI Laboratory, Kyoto University, Japan, June 2022
- Postdoc fellowship with Systems Engineering Laboratory, Toyohashi University of Technology, Japan, Oct. 2017
- MEXT scholarship (The Japanese Ministry of Education, Culture, Sports, Science and Technology, Monbukagakusho) for studying PhD, Japan, Oct. 2014 – Sep. 2017

RESEARCH GROUPS

- Mechatronics Engineering Laboratory, Assiut University, Egypt, 2006 – Present
- Applied Robotics and Mechatronics Laboratory, Hanbat National University, South Korea, 2023 – Present
- HRI Laboratory, Kyoto University, Japan, June 2022- December 2022
- Systems Engineering Laboratory, Toyohashi University of Technology, Japan, 2015- 2018
- Robotics and Mechatronics Laboratory, Toyohashi University of Technology, Japan, 2014 – 2015

COLLABORATION WITH THE INDUSTRY

- Development and control system design of cleaning robots, Recycling Centers, Japan
- Design and control of autonomous vehicles for material handling in industrial application, Leoni Wiring Systems, Assiut, Egypt, 2018

ACADEMIC ACTIVITIES

- Development of Mechatronics Courses Undergraduate Project (DMCUP), Faculty of Engineering, Assiut University, Egypt
- Development of Mechatronics Laboratory Experiments (DMCUP) project, Faculty of Engineering, Assiut University, Egypt
- International workshop on Mechatronics Education, 2006, Luxor, Egypt

- The Fourth Assiut University International Conference on Mechanical Engineering Advanced Technology for Industrial Production, MEATIP 4, Assiut University, Egypt, December 12-14, 2006
- The Fifth Assiut University International Conference on Mechanical Engineering Advanced Technology for Industrial Production, MEATIP 5, Assiut University, Egypt, March 29-31, 2011

HONORS AND AWARDS

- Certificate of Appreciation for Effective Participation and Whole Activities in the International workshop on Mechatronics Education, Egypt, February 13-14, 2006
- Certificate of Appreciation for effective Participation and Whole Activities in the Fourth Assiut University International Conference on Mechanical Engineering Advanced Technology for Industrial Production, MEATIP 4, Assiut, Egypt, December 12- 14, 2006
- Prof. Dr. Ramadan Mohammad Sadek Award, 2002
- Prof. Dr. Mahmoud Hasan Award, 2003
- Prof. Dr. Fathy Abd Allah Hafiz Award, 2003
- Syndicate of Egyptian Engineers Award for First class Honors, 2007
- Syndicate of Egyptian Engineers Medal for First class Honors, 2007

LANGUAGES

English	Very good
Arabic	Mother tongue

PROFESSIONAL MEMBERSHIP

- IEEE Membership
- IEEE Robotics and Automation Society Membership
- IEEE Young Professionals
- Syndicate of Egyptian Engineers

PROGRAMMING

- MATLAB, FORTRAN, C++ and still learning ROS

PERSONAL HOBBIES

- Running, Football, Table Tennis, and Swimming