



TO WHOM IT MAY CONCERN

Recommendation Letter for Dr. Omar Mehrez

31 July, 2020

I have known Dr. Omar Mehrez since 2008 when he started his post as a teaching assistant at Tanta University of Egypt. Because of his Excellent undergraduate course grades, he has been offered an MSc and a PhD scholarship, fully supported from Egyptian government, at Egypt-Japan University of Science and Technology (EJUST). Overlapped with his PhD study time, I was an adjunct Associate Professor to Mechatronic and Robotics Engineering (MTR) Department and I have supervised his PhD thesis research work.

Omar was an excellent PhD student and he performed outstanding research work. His research work was inspired by an assistive nursing robot project for manipulating a patient. He analyzed the equilibrium contact area, associated with different interaction forces and with the presence of friction forces and motion constraints, for statically holding the object at all its possible configurations. Meanwhile, he joined the distinguished research center RIKEN-TRI Collaboration Center, Nagoya, Japan as an intern for ten-months to implement his experimental work. As a result of his effort and hard work, he has published four papers from his thesis. One of them is rated as Q1-ISI Journal and another one is rated as Q1-Scopus Journal. For the three years during which I have supervised Omar, he proved to be knowledgeable and has excellent capabilities of both the theoretical and the practical aspects in robotics research. He can formulate an initial problem, propose methods and algorithms for its solving. His capabilities in programming, simulation and experimental work are considerable. He has a high potential to research work. Currently, he is granted a postdoctoral fellowship for one-year at the Dept. of Mechanical Systems Eng., Nagoya University, Japan. I expect for him a promising future.

In addition to his research capabilities, Omar has had a significant role in setting up the Mechatronics Program for the undergraduate level in Tanta University. He has had a huge effort with me for the origination and organization of the program bylaws and referring rules.

Omar highly respects his professors and colleagues. He is serious, ambitious, dedicated, willing to learn. He is able to adapt himself to new places, cultures and environments. He is well organized and deals with his tasks and deadlines carefully. He is a cooperative person and able to work in a group and/or lead a group. He is a hard worker and does not give up easily when facing new challenges or difficult problems. Omar's writing and presentation skills are excellent and this would support his duty in teaching as well as research.

In short, Dr. Omar is one of the outstanding researchers and valuable members. I give him my unqualified and most enthusiastic recommendation. If I can be of any further assistance, or provide you with any further information, please do not hesitate to contact.

Sincerely,

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Letter for Omar Mehrez

July 31, 2020

Faculty of Engineering, Tanta University,
Tanta 31511, Egypt.

Dear Members of the Search Committee,

It is my pleasure to recommend **Dr. Omar Mehrez** for the position of Assistant Professor in your department. Dr. Omar completed his PhD in **Egypt-Japan University of Science and Technology (E-JUST)** in Mechatronic and Robotics Eng. Dept. and is one of the most outstanding researchers and lecturers. I highly recommend him to you.

As a Professor of Mechanical Eng. and Mechatronics Program Coordinator, **Mechanical Power Eng. Dept., Tanta University**, where Dr. Omar currently belongs, he proved himself to be a capable mentor and teacher. He takes charge of teaching automatic control, hydraulic systems, robotics, and mechatronics relevant courses for both undergraduate and postgraduate levels. His classroom teaching was met with rave reviews. Similarly, he supervised undergraduate projects that were awarded many times by the **Egyptian Academy of Scientific Research and Technology**.

Dr. Omar is also a distinguished researcher. He is conducting in co-supervision of two master-degree students handling various topics of the control of quadrotor robots and wrist-joint rehabilitation devices. He is clearly able to transmit his passion and talent for research to young researchers.

In addition to his academic effort, Dr. Omar significantly enrolled in establishing the **Mechatronics Program** for the undergraduate level in Tanta University. Meanwhile, he had a remarkable effort setting-up an advanced Hydraulic/Pneumatic Systems Lab that has a significant impact on the program outcome.

Briefly, Dr. Omar is one of the promising researchers and talented teachers. He would be a good catch for your department, and I urge you to consider his candidacy seriously.

Sincerely,

Prof. Mohamed MAHGOUB

Professor,

Mechanical Power Eng. Dept., Faculty of Eng.

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Prof. Mahgoub
2/8/2020