

## **Letter of Reference**

**To: Egypt-Japan University of Science and Technology (E-JUST)**

I have the great privilege and honour to endorse Dr. Mohamed Alkalla for the prospective position of Full-time Assistant Professor of Mechatronics and Robotics Engineering. I've been his advisor at Waseda University, Tokyo during his Ph.D. study in 2016. Dr. Alkalla has accomplished an advanced prototype of his climbing robot which called EJBOT-II in my lab (SHALAB). He presented his robot in many scientific and technological events and won the WIPO trophy as best young inventor in the 3<sup>rd</sup> Cairo International Exhibition of Innovation (CIEI), 2016. Additionally, he won the first-place prize in "Create the Future Design" Contest for category of Machinery/Automation/Robotics in 2017. This contest has been launched by the publishers of NASA Tech Briefs magazine and held annually in the USA.

Mohamed has published 3 papers from his Ph.D. work in prestigious and high-ranked international journals in Robotics Engineering, besides 2 other international conference papers.

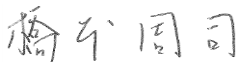
During his study in my lab., Dr. Mohamed Alkalla had good and professional relationships with his lab members of the graduate and undergraduate students. He was a good addition to our lab with his eagerness to learn more about the work going on in the lab and is always willing to lend a helping hand whenever required. His motivation levels and his scientific curiosities are exceptional. He had impressed me, throughout our collaboration, with a self-motivated and proactive perseverance towards solving problems. Indeed, even when faced with difficult problems, he would persevere undoubtedly, with the confidence that is achieved only with technical expertise and experience.

I've heard recently that he gained a prestigious position at Surrey Space Centre, University of Surrey, UK and working as a research fellow on planetary drill and sample acquisition system. I believe he had wonderful experiences to extend his knowledge and new research ideas through this new environment.

I know the continuous progress of E-JUST, As I served as the chair of the committee of Japanese Supporting Universities for E-JUST from the beginning until last year.

I am much confident form his suitability and fitness for this proposed position and sure he will meet your expectations. Therefore, I strongly recommend Dr. Mohamed Alkalla as a member of Mechatronics and Robotics Engineering faculty of E-JUST.

Yours Sincerely,



Dr. Shuji Hashimoto

Professor Emeritus,

Former Senior Vice President for Academic Affairs and Provost,

Waseda University

[shuji@waseda.jp](mailto:shuji@waseda.jp)

[phone: +81 47 333 8531](tel:+81473338531)

## **Letter of Reference**

To: Egypt-Japan University of Science and Technology (E-JUST)

It is my great pleasure to write this letter to recommend and support Dr. Mohamed Alkalla for acquiring the prospective position of Assistant Professor of Mechatronics and Robotics Engineering at E-JUST. I've known Mohamed since 2009 as I've been his supervisor of Master and Ph.D. degrees at Mansoura University and E-JUST, respectively. Dr. Alkalla is diligent, dedicated, and highly active for teaching and research in the field of Mechanical Design Engineering as well as Mechatronics and Robotics Engineering.

He has been teaching "Robot's Kinematics and Dynamics" course for three years as assistant lecture and one year as a lecturer at the Production Engineering and Mechanical Design department and the Mechatronic Engineering Program at Mansoura University.

Mohamed has participated in many scientific exhibitions and events as well as showcased his Ph.D. work - during and after his study at E-JUST - in different Media/TV shows.

Additionally, he demonstrated his climbing robot in the 3<sup>rd</sup> Cairo International Exhibition of Innovation (CIEI), 2016, and won the WIPO trophy as the best young inventor from the Academy of Scientific Research & Technology (ASRT). He won also the first-place prize in "Create the Future Design" Contest for the category of Machinery/Automation/Robotics which organized by the publishers of NASA Tech Briefs magazine, USA in 2017.

During his teaching at Mansoura university (2017-2018) as a lecturer, he has supervised two industrial robot projects in which one of them has been guaranteed 50,000 EGP from the faculty administration.

Dr. Alkalla is currently working as a research associate at Surrey Space Centre, University of Surrey, UK. He has a principal role in the planetary group of Future Artificial Intelligence and Robotics for Space (FAIR-SPACE) Hub as he is responsible for planetary drilling and sample-acquisition system called Dual Reciprocation and Oscillation Drill (DROD) which has been submitted as a patent at UK Intellectual Property Office (UKIPO) with application no. 2005716.2.

During his study of Master and Ph.D. degrees, he had a good and professional relationship with his colleagues, lab members, and professors.

I am very sure that his experience, knowledge, and inspirations will fit this position. Therefore, I do sincerely endorse Mohammed and I believe that he will meet your expectations.

Sincerely yours,

A handwritten signature in blue ink, appearing to read 'M. Fanni', with a stylized flourish extending from the end.

Prof. Mohamed Fanni

Mechatronics and Robotics Engineering,

Egypt-Japan University of Science and Technology