

## **Teaching Statement**

Starting in 2010, I've been working as an assistant lecturer in the Production Engineering and Mechanical design department at Mansoura University for more than 4 years. I've been teaching many courses during this time such as; **Engineering and Mechanical Drawing, Machine Design, Theory of Machine, Mechanics of Materials, Serial Robots' Kinematics and Dynamics, Optimum Design.**

After my Ph.D. graduation in Mechatronics and Robotics Engineering Department at E-JUST, I've started my teaching career as a lecturer/adjunct assistant professor in several departments at Mansoura University and Zewail City of Science and Technology between years (2017-2018).

At Mansoura University I was teaching the following courses:

- **Machine Design** at Production Engineering and Mechanical design department
- **Mechatronic systems** as an elective course at Production Engineering and Mechanical design department
- **Serial Robots' Kinematics and Dynamics** at both Production Engineering and Mechanical design department & Mechatronics Engineering Program

At Zewail City of Science and Technology, I've been teaching **Statics** and **Mechanics of Material** for level 2 and 3 students at the Aerospace Engineering Department.

During my lecturer-ship at Mansoura University, I've supervised and led two bachelor-student groups for designing, simulating, and manufacturing their own industrial robots for assembly and spot-welding purposes. As a result, they have accomplished advanced prototypes and practically demonstrated them during their project-defense discussions.

I've enrolled in the "Graduate Certificate of Learning and Teaching" (GCLT) organized by Higher Education Department of the University of Surrey, UK which gives training over 4 modules with a duration of 2 years for professional higher education teaching fellows. I've already passed GCLT: Module 1 and currently joined the second module.

Kind regards,  
Dr. Mohamed G. Alkalla  
Research Fellow at STAR LAB  
Surrey Space Centre (SSC)  
Faculty of Engineering and Physical Sciences (FEPS)  
University of Surrey, UK  
Tel: +44 (0)1483 686661  
Cellphone: +44 07927291000  
Email: [m.alkalla@surrey.ac.uk](mailto:m.alkalla@surrey.ac.uk)  
Profile: <https://www.surrey.ac.uk/people/mohamed-alkalla>  
Website: <https://www.surrey.ac.uk/surrey-space-centre/research-groups/star-lab>

