Name: Yahia Mahmoud Abdel Wahab Hassan Elattar

Education:

PhD **Specialization:** Design and Production Engineering
Thesis Title: Optimization of Abrasive Water Jet Cutting Parameters for Advanced Materials
Awarded by: Faculty of Engineering, Ain Shams University, Egypt, 2019

MSc **Specialization:** Mechanical Design and Production Engineering
Thesis Title: Modeling, Simulation and investigation of Vehicle Suspension and Design of Active Controllers
Awarded by: Faculty of Engineering, Cairo University, Egypt, 2015

BSc **Specialization:** Mechanical Engineering
Awarded by: Modern Academy for Engineering & Tech, Cairo, Egypt, May, 2007
Grade: Excellent with honor degree

Positions Occupied and Work Experience

- Lecturer of Mechanical Engineering, Modern Academy - Manufacturing Engineering Dep., 2019 - till now. (Full time)
- Lecturer Assistant of Mechanical Engineering, Modern Academy - Manufacturing Engineering Dep., 2015 - 2019.
- Teaching Assistant of Mechanical Engineering, Modern Academy - Manufacturing Engineering Dep., 2007 - 2015.
- Lecturer, Arab Academy for Science Technology& Maritime Transport, 2019 - till now (Part time).
- Lecturer Assistant, Arab Academy for Science Technology& Maritime Transport, 2017-2019 (Part time).
- Mechanicalengineer, Ultra Heatheatingsystems and solutions, 2008-2015 (Part time)

Lectured Courses:

- MNF522 M580 Hydraulic Power Engineering
- MNF537 Electro-Hydraulic & Pneumatic Systems
- MNF413 M482 Automatic Control
- M580a MNF531 Modeling and Simulation
- M150 M151 Engineering Drawing
- MNF60 MNFN60 Summer Training-1 AutoCAD
- M474 Machine Tool Design
- M160 M161 MNF102 Production Engineering
- M561 Engineering Economy

No of Published Papers		Supervised Thesis	
Last 5 years	Total	MSc	PhD
4	4	-	-

Publication List:

BOOKS

1. Elattar Y.M., 2019, "Modelling& Simulation", Academic Press, Cairo, Egypt.
2. Elattar Y.M., 2016, "AutoCAD for beginners, training book", Academic Press, Cairo, Egypt.

PAPERS

1. Elattar Y.M., Sonbol H.A., and Mahdy M.A., "Evaluation of Abrasive Water Jet Machining Process Parameters on Cutting High Strength Hard Material (ARMOX)", Proceedings of the *18th International Conference on Applied Mechanics and Mechanical Engineering, AMME-18*, MTC, Cairo, April 3-5, 2018, PP PT209-PT222
2. Elattar Y.M., Mahdy M.A., and Sonbol H.A., "Prediction of Abrasive Water Jet Cutting Parameters Using Artificial Neural Network", Proceedings of the *18th International Conference on Applied Mechanics and Mechanical Engineering, AMME-18*, MTC, Cairo, April 3-5, 2018, PP PT223-PT234

3. Elattar Y. M., Rabie M.G., and Metwalli S.M., "On the Dynamics of Vehicle Passive Suspension Incorporating Twin-Tube Pressurized Shock Absorber", Proceedings of the *17th International Conference on Applied Mechanics and Mechanical Engineering, AMME-17*, MTC, Cairo, April 19, 2016, Vol. 1, PP AE67-AE80
4. Elattar Y. M., Metwalli S.M., and Rabie M.G., "PDF Versus PID Controller for Active Vehicle Suspension", Proceedings of the *17th International Conference on Applied Mechanics and Mechanical Engineering, AMME-17*, MTC, Cairo, April 19, 2016, Vol. 1, PP AE81-AE98