

HASSAN ALI SLEEM ALI EL SHOKROFY

El Qanater El Khayreya - Al Qalyubia - Egypt - +0201112532750 , +0201007344361
hassan.selim@feng.bu.edu.eg -[Official Site](#) - [LinkedIn profile](#)



EDUCATION

8/2018

Bachelor's degree of mechanical design and production engineering,

Shoubra faculty of engineering – Benha university - Egypt.

GPA: 3.0 = 78.61% – 2nd place in the class.

9/2019

Starting to study master's degree in Mechatronics – Planned to be finished in March 2024.

WORK EXPERIENCE

From: 12/2018 to: present time.

Teaching Assistant, Shoubra Faculty of Engineering – Benha University.

SOFTWARES

- **SOLIDWORKS** – professional level
- **AUTOCAD** – moderate level
- **ANSYS** - professional level
- **MICROSOFT OFFICE** - professional level
- **MATLAB** – moderate level
- **ORIGIN LAB** – moderate level
- **COREL DRAW** – moderate level

PERSONAL SKILLS

- Analytical Thinking.
- A passion for research.
- Precision and attention to detail.
- Communication Skills.
- Effective time management skills.
- Collaboration and Teamwork.
- Strong problem-solving skills.
- Adhering to high ethical standards in research and scholarly activities.
- Building professional networks within the academic and industrial communities.
- The ability to adapt to changes and challenges in the research process.
- The ability to bounce back from setbacks, accept constructive criticism, and persist in the face of challenges.

LANGUAGES

- **ARABIC:** native language.
- **ENGLISH:** excellent written – good spoken. [5 years of studying engineering and another 5 years of teaching, all in ENGLISH].

PERSONAL INFORMATIONS

- **Date of birth:** 28/9/1995
- **Social status:** single
- **Military status:** military service done.

ACADEMIC BACKGROUND

Since being appointed as a Teaching Assistant, I have actively participated in the instruction and preparation of experimental work related to the following subjects:

- Material testing.
- Mechanics of material.
- Mechanical vibration.
- Faults diagnosis using vibration.
- Mechanical design.
- Design of machine elements.
- Mechanical drawing.
- Computer aided drawing.
- Kinematics of mechanisms.
- Non-conventional machining.

SCIENTIFIC RESEARCH INTERESTS

- Auxetic structures.
- Dynamic analysis.
- Modal analysis.
- Additive manufacturing.
- Metamaterials.
- Composite panels.
- Finite element analysis.

SCIENTIFIC PUBLICATIONS

- Atef Hamada, Elsayed Hamza Mansour, Matias Jaskari, Walaa Abdel-Aziem, Abdelkarim Karam, **Hassan Elshokrofy**, Aappo Mustakangas, Antti Järvenpää, Mahmoud Khedr, Strengthening aluminum matrix composite with additively manufactured 316L stainless steel lattice reinforcement: Processing methodology, mechanical performance and deformation mechanism, Journal of Materials Research and Technology, 2024, ISSN 2238-7854, <https://doi.org/10.1016/j.jmrt.2024.01.172>.
- Elsamanty, M.; **Elshokrofy, H.**; Ibrahim, A.; Järvenpää, A.; Khedr, M. Investigation and Tailoring of Rotating Squares' and Rectangles' Auxetic Structure Behavior through Computational Simulations of 6082T6 Aluminum Alloy Structures. Materials 2023, 16, 7597. <https://doi.org/10.3390/ma16247597>

REFERENCES

• Prof. Dr. Abdelkader Abdelkarim Ibrahim

Professor of mechanical engineering, Shoubra faculty of engineering – Benha university – Egypt
Email: abdelkader.ibrahim@feng.bu.edu.eg
Phone: +201006000958

• Associated professor. Dr. Mahmoud Mohammed Elsamanty

Associated Professor of mechanical engineering, Shoubra faculty of engineering – Benha university – Egypt
Email: mahmoud.alsamanty@feng.bu.edu.eg
Phone: +201009066633

- **Associated professor. Dr. Mahmoud khedr**

Associated Professor of mechanical engineering, Shoubra faculty of engineering – Benha university – Egypt

Email: mahmoud.khedr@feng.bu.edu.eg

Phone: +8618201823173