

Curriculum Vitae (CV)

Hossameldin Mohamed Ramadan Hussein



Personal Information:

Academic Rank: Assistant Professor

Department: Mechanical Engineering

Specialization: Mechatronics Engineering

Position: Assistant Professor

Google Scholar: -----

Research Gate: -----

ORCID Record: -----

Scopus ID: -----

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Mechanical Design and Production Engineering	Benha University, Shoubra Faculty of Engineering	2020
M.Sc.	Mechanical Design and Production Engineering	Benha University, Shoubra Faculty of Engineering	2015
B.Sc.	Mechatronics Engineering	H.T.I.	2007

Academic Experience:

Institution: Benha University, Shoubra Faculty of Engineering

Rank: Assistant Professor

Dates: 2020

Institution: Benha University, Shoubra Faculty of Engineering

Rank: Research Assistant (PhD student)

Dates: 2015

Institution: H.T.I.

Rank: Teaching Assistant

Dates: 2008

Research interests:

- -Mechatronics Engineering
- -Material Technology
- -Production Technology

Publications:

1. **Hossameldin Hussein**, S. HAbib, Sayed A. Abdallah and S.S. Mohamed, "A Stable Curved Hole Creation by Electrical Discharge Machining and a New Curved Mechanical Mechanism", Life Science Journal, (2018); 15(8).
2. **Hossameldin Hussein**, S. HAbib, Sayed A. Abdallah and S.S. Mohamed, " A Curved Hole Creation with A Square Curved Copper Electrode by Electrical Discharge Machining and a New Mechanism Technique", New York Science Journal, (2018); 11(8).
3. **H M Ramadan**, Samah Samir Mohamed, Fouad H Mahmoud and T. S. Mahmoud, "Influence of Pin Profile and Welding Speed on the Microstructure and Impact Resistance of Friction Stir Welded AA6061 –T6 Aluminum Joints", (2018).
4. Emad Ismat Ghandourah, Essam B. Moustafa, **Hossameldin Hussein**, and Ahmed O. Mosleh, "The Effect of Incorporating Ceramic Particles with Different Morphologies on the Microstructure, Mechanical and Tribological Behavior of Hybrid TaC_BN/AA2024 Nanocomposites", Coatings (2021), 11, 1560.
5. Essam B. Moustafa, Khalid H. Almitani, and **Hossameldin Hussein**, "Effect of Crack Orientation on Laminated CFRP Composites Using Vibration and Numerical Analysis", Materials Evaluation (2021), 79 (11): 1081-1093.

Certifications or Professional Registrations:

Honors and Awards:

- **2019** International Conference on Intelligent Robots and Systems (IROS 2019), China
- **2018** International Conference on Intelligent Robots and Systems (IROS 2018), Spain
- **2014** Research and Education in Mechatronics (REM 2014), Egypt

Teaching Experience:

Courses taught

- Scientific Research
- Online Teaching using Blackboard Collaborate
- Certified ICDL user, syllabus 5.0
- Hydraulics/Pneumatics
- Electro-Hydraulics/Electro-Pneumatics
- FESTO fluid sim software
- CNC Milling (3-5 axis) and CNC lathe (2-3.5 axis)
- Design and implementation of PCBs
- Eagle software for PCB design
- Measurement and Instrumentation
- Sensors and Transducers
- Autonomous robots design and control using Arduino
- Proficient in 2D drafting with AutoCAD
- AutoCAD 3D assembly
- Laser cutting
- Oxy-Acetylene Gas Welding
- 3D design and simulation with SolidWorks
- Assembly Drawing
- CAD/CAM using Fusion 360, SolidWorks and HSMXpress
- Classical control implementation
- PLC Programming for Omron, LG and Siemens