

	Contact Information		
	Name: Abdelhameed Ahmed Zayed		
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	Google scholar: https://scholar.google.com/citations?hl=ar&user=muLloDcAAAAJ&view_op=list_works		
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Education/ Academic qualifications (start with your most recent education first)			
Year	School / University	Specialization	Degree
2019	Egypt-Japan University of Science and Technology	Mechatronics and Robotics Engineering	PhD.
2015	Tanta University	Production Engineering and Mechanical Design	MSc.
2009	Tanta University	Production Engineering and Mechanical Design	BSc.
Academic Employment History (start with your most recent education first)			
From:	To:	University / Organization	Title of Position
11\2\2024	Till now	Horus University	Adjunct Assistant Professor
28\1\2020	Till now	Tanta University	Assistant Professor
2\6\2015	27\1\2020	Tanta University	Teaching Assistant
28\3\2010	1\6\2015	Tanta University	Demonstrator
Administrative Positions:			
From:	To:	University / Organization	Title of Position
20\10\2022	Till now	Tanta University	Program Accreditation Coordinator
Teaching Experience (Courses, Language, Higher Education Only)			

I do hereby declare that the information furnished above is true to the best of my knowledge .

Name:

Signature:

- 1- Theory of Vibrations,
- 2- Theory of Machines,
- 3- Machine Design,
- 4- Strength of Materials and Tests,
- 5- Materials Joining,
- 6- Introduction to Microelectromechanical systems (MEMS),
- 7- Production Engineering,
- 8- Engineering Drawing and Projection.

Publications:

1. Moustafa A. Darwish, Walaa Abd-Elaziem, Ammar Elshiekh, and Abdelhameed A. A. Zayed, “Advancements in Nanomaterials for Nanosensors: A Comprehensive Review,” *Nanoscale Advances*, May 2024.
2. Marah Elsiedy, Abdelhameed A. A. Zayed, Hesham A. Hegazi and A. M. El-Kassas, “Optimization of Polyoxymethylene spur gear pair using genetic algorithm,” *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, vol. 0(0), 2024.
3. Mohamed E. Zayed, Bashar Shboul, Waqar Muhammad Ashraf, Mohamed Ghazy, A. E. Kabeel, Kashif Irshad, Shafiqur Rehman, and Abdelhameed A. A. Zayed, “Performance augmentation and machine learning-based modeling of wavy corrugated solar air collector embedded with thermal energy storage: Support vector machine combined with Monte Carlo simulation,” *Journal of Energy Storage*, vol. 74(Part B), 109533, 2023.
4. Marah Elsiedy, Abdelhameed A. A. Zayed, Hesham A. Hegazi and A. M. El-Kassas, “Optimum Design of Metallic and Plastic Cylindrical Gears Using Naturally-Inspired Algorithms: A Review,” *Journal of Engineering Research*, vol. 7(6), 16, 2023.
5. Mohamed E. Zayed, Bashar Shboul, Hongmei Yin, Jun Zhao and Abdelhameed A. A. Zayed, “Recent advances in geothermal energy reservoirs modeling: Challenges and potential of thermo-fluid integrated models for reservoir heat extraction and geothermal energy piles design,” *Journal of Energy Storage*, vol. 62(13), 106835, 2023.
6. Abdelhameed A. A. Zayed, Samy F. M. Assal, K. Nakano, T. Kaizuka and Ahmed M. R. Fath El-Bab, “Design Procedure and Experimental Verification of a Broadband Quad-Stable 2-DOF Vibration Energy Harvester,” *Sensors*, vol. 19, 2893, 2019.
7. Abdelhameed A. A. Zayed, Samy F. M. Assal and Ahmed M. R. Fath El-Bab, “Wide Bandwidth Nonlinear 2-DOF Energy Harvester: Modeling and Parameters Selection,” in *2017 IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI)*, Daegu, South Korea, November 16-18, 2017.
8. Abdelhameed A. A. Zayed, E. Saber, Samy F. M. Assal and A. M. Khourshid, “Experimental Investigation of the Effect of Magneto-Rheological MR Damper on a Rotating Unbalance SDOF System,” *International Journal of Engineering Research and Technology*, vol. 3 (12), pp: 1087-1092, 2014.

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