

Summary

- Expert in the Engineering Thermal Science, Modeling, Lab Experiments, and Lithography Engineering.
- Ph.D. dissertation under the advisement of Prof. William Beckman from the University of Wisconsin-Madison Solar Energy Lab, addressed the Thermo-Mechanical problems in the IC manufacturing process.
- Academic Teaching experience: Cairo University, the University of Wisconsin-Madison, the French University in Egypt (FUE), the American University in Cairo (AUC). Taught graduate and undergraduate level courses such as: Air Conditioning and Refrigeration, Solar Energy Technology, Renewable Energy, Fluid Mechanics, and Heat Transfer.
- Academic Research experience: The design and development of full size solar parabolic trough, extensive semiconductor development research, and advised graduate students.
- Industrial Experience in the field of the semiconductor research and development.
- Practical experience in the field of Air Conditioning and Solar Energy Technology.

Education

- Ph.D. Mechanical Engineering, University of Wisconsin-Madison.
- M.S. Mechanical Engineering, University of Wisconsin-Madison.
- M.Sc. Mechanical Engineering, Cairo University, Giza, Egypt.
- B.S. Mechanical Engineering, Cairo University, Giza, Egypt.