Prof. Dr. Shoukry Latif SHOUKR

Personal Information

Position: Professor Emeritus, Department of Production Engineering and Mechanical Design, Faculty of Engineering, Minia University, Minia, EGYPT
Date of birth: Jan. 1 / 1949
Place of birth: Mallawy, EGYPT
Nationality: Egyptian
Gender: Male
Marital status: Married w. three children
Military service: Veteran
Address: 13 Atef Barakat St., Mallawy, 61631, EGYPT
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Education

Degree	Date	Institution
Ph.D.	Oct. / 1989	University of Arizona, U.S.A.
M.Sc.	March / 1983	Helwan University, EGYPT
B.Sc.	May / 1971	Assiut University, EGYPT

Ph.D. Dissertation: Contact Stresses in Interference-Fit Joints with Application to Sugar-Mill Roller Assemblies

M.Sc. thesis: Effect of End Conditions on the Distribution of Strains and Stresses in Short Cylinders Subjected to Axial Compression
(An Application of the Finite Element Method)

Major: Mechanical Engineering
Field of Specialization: Finite Element Method (Stress Analysis)

Distinctions

- Awarded the Egyptian Higher Education Fellowship, 1966 to 1971.
- Awarded a scholarship from the Egyptian Government for studying in the USA for the Ph.D. degree, 1984 to 1989.

Occupation

Professor Emeritus: Minia University, 2009 to present
Assistant Professor: Minia University, 1990-2009
Assistant Lecturer: Minia University, 1983
Demonstrator: Minia University, 1972

Courses Taught

Undergraduate courses

Engineering Mathematics - Technical Writing - FORTRAN Programming - MATLAB Programming - Theory of Machines - Finite Element Method - Mechanical Vibrations - Numerical Analysis - Design of Machine Elements

Postgraduate courses

Advanced Engineering Mathematics - Finite Element Method - Advanced Numerical Analysis - Theory of Plasticity and Applications

Languages

English (excellent) - **Arabic** (mother tongue)

Affiliations

- Member of the Egyptian Engineers Syndicate.
- Member of the board of directors of the Egyptian YMCA (Mallawy).
- Member of the Quality Assurance and Accreditation Project (QAAP), Faculty of Engineering, Minia University.

Supervised Master Theses

1. Zakhary, N.W., Effect of Crack Length and Location on the Stress Intensity Factor in Welded Joints, Department of Production Engineering and Mechanical Design, Faculty of Engineering, Minia University, EGYPT, 2000.
2. Nagib, A.B., A Quadrilateral Finite Element Analysis of Torsional Stresses and Strains in Axisymmetric Solids, Department of Production Engineering and Mechanical Design, Faculty of Engineering, Minia University, EGYPT, 1999.

Publications

1. Shoukr, Sh.L., "Evaluation of the General Rules of the Finite Element Two-Dimensional Mesh Programming and Graphics," Bull. of the Faculty of Eng., Minia Univ., EGYPT, Vol. 20, No. 1, pp. 53-83, July (2001).
2. Shoukr, Sh.L., Nagib, A.B. and Rizk, M., "A Quadrilateral Finite Element Analysis of Torsional Stresses and Strains in Axisymmetric Solids," Proc. of the 15th Int. Conference on Computer-Aided Prod. Eng., Durham, ENGLAND, pp. 109-116, April (1999).

Conferences

May 2007	Conference for Investment in Technology, Faculty of Engineering, Minia University, EGYPT.
Dec. 2006	Middle East International Conferences for Power Systems, Faculty of Engineering, Minia University, EGYPT.
April 2005	The 3rd Minia International Conference for Advanced Trends in Engineering, Minia University, EGYPT.
March 1999	The 1st Minia International Conference for Advanced Trends in Engineering, Minia University, EGYPT.

Books

1. Shoukr, Sh.L., **Numerical Analysis For Engineering Students, Techniques and Programming,** Faculty of Engineering, Minia University, EGYPT, (2013).
2. Shoukr, Sh.L., **Selected Topics in Engineering Mathematics,** Faculty of Engineering, Minia University, EGYPT, (2014).
3. Shoukr, Sh.L., **Finite Element Method, Part I: Fundamentals,** Faculty of Engineering, Minia University, EGYPT, (2016).
4. Shoukr, Sh.L., **Technical Writing,** Faculty of Engineering, Minia University, EGYPT, (2016).
5. Shoukr, Sh.L., **Mechanical Vibrations,** Faculty of Engineering, Minia University, EGYPT, (2017).

References

Prof. Dr. Magdi abd al-Malak Basilly, Faculty of Engineering, Minia University, Minia, EGYPT.
Prof. Dr. Mohamed Naguib El-Sheikh, Faculty of Engineering, Beni-Suef University, Beni-Suef, EGYPT
Prof. Dr. Kamel A. Hussien, Dept. of Aerospace & Mech. Eng., University of Arizona, Tucson AZ 85719, U.S.A.