



Yehia A. Khulief, PhD, PE

Professor

King Fahd University of Petroleum & Minerals

Department of Mechanical Engineering

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SAUDI ARABIA

<http://www.kfupm.edu.sa/me/faculty/khulief.htm>

AREAS OF RESEARCH

Dynamic modeling and analysis of multibody mechanical systems with interconnected rigid and elastic components; Dynamic simulation of impact and intermittent motion; Vibrational response calculations using finite element modeling; FEM dynamic modal response analysis of rotating beams & shafts; Rotordynamics; Fluid-induced vibrations, and Active control of vibrations in flexible mechanical systems.

AREAS OF EXPERTISE & CONSULTING

Machine Design; Deep Oil-well Submersible pump (ESP) design; Vibration Measurements & Analysis, Vibration monitoring, Spectrum analysis & diagnostics of rotating machinery, Experimental modal analysis, Rotor balancing, Turbojet engines ground acceptance tests, Vehicle collision & crash accident diagnosis, Elevators & escalators performance tests, Acoustic measurements & sound level standards, Flow-induced Vibrations and Fluid Structure interaction.

PERSONAL PROFILE

Born in March 19, 1951, Damietta, Egypt
Citizen of the United States of America
Married and father of two children

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USA: 718 Cecil Court, Birmingham, AL 35226.

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EDUCATIONAL BACKGROUND

- PhD 1985:** Department of Mechanical Engineering, University of Illinois, Chicago Circle, Chicago, Illinois, USA.
- MSc 1983:** Department of Mechanical Engineering, University of Iowa, Iowa City, Iowa, USA.
- MSc 1980:** Department of Optimization & Control, University of Hertfordshire (The Hatfield Polytechnic), Hatfield, Herts, U.K.
- BSc 1974:** Aeronautical Engineering Department, University of Cairo, Cairo, Egypt.

EMPLOYMENT

- Present** Department of Mechanical Engineering
From King Fahd University of Petroleum & Minerals
Sep. 1988 Dhahran, Saudi Arabia
- July. 1998** **Distinguished Visiting Scientist**
From Guidance & Control Software Group
Sept. 1997 NASA, Jet Propulsion Laboratory (JPL)
Pasadena, CA, USA
- Sept. 1988** **Assistant Professor**
From Department of Mechanical Engineering
Sept. 1985 University of Alabama at Birmingham,
Birmingham, AL, USA
- Aug. 1985** **Teaching & Research Assistant**
From Department of Mechanical Engineering
Sept. 1983 University of Illinois at Chicago, Chicago, IL, USA
- Aug. 1983** **Research Assistant**
From Department of Mechanical Engineering
Jan. 1982 University of Iowa, Iowa City, IA, USA

Dec. 1982
From
March 1980 **Senior Engineer**
Jet Engine Factory, AOI, Helwan, Egypt, and
Service in the Egyptian, Air Force Central
Maintenance Workshop & Test Facility.

March 1979
From
Jan. 1975 **Engineer**
Jet Engine Factory, AOI, Helwan, Egypt,
Military Factory, F135, Helwan, Egypt.

HONORS & PROFESSIONAL REGISTRATION

Registered Professional Engineer, PE No. 16500

State Board of Registration for Professional Engineers & Land Surveyors,
The State of Alabama, USA, since 1987.

Editorial Board Member

International Journal of Applied Engineering Research (IJAER).

Honorary Member, Pi Tau Sigma $\Pi T \Sigma$

The Mechanical Engineering Honorary Fraternity, USA.

Member, IASTED Technical Committee on Modeling & Simulation

Term 2007-2010. IASTED; International Association for Science & Technology
for Development, Calgary, Canada.

Listed in Who's Who in Computational Science & Engineering

Saxe-Coburg Publication, 2005 Edition