Contact Information

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Biographical Sketch

EDUCATION

B.Sc. 1969 Mechanical Engineering, Alexandria University, Egypt

Ph.D. 1975 Mechanical Eng., Paisley University, Scotland, U.K.

ACADEMIC RECORD

Demonstrator 1970-- 1971

Assistant Professor 1975—1980

Associate Professor 1980—1987

Professor 1987— Now

OTHER RELATED EXPERIENCE: TEACHING, INDUSTRIAL, ETC.

Visiting Professor 1981—1982 Imperial College, London University, U.K

Part time Consultant 1984—1998 Mechanical Services in Building, Projects Dept.,King Abdulaziz City of Science and Tech. (KACST)

Technical Committee Head, Saudi Mechanical Code, 2003—2011, Saudi Building Code.

Head of Dept., Engineering College, Pharos University, Alexandria, Egypt, 2013─ now

MEMBERSHIP IN SCIENTIFIC & PROFESSIONAL SOCIETIES

American Institute of Aeronautics and Astronautics (AIAA)

Chartered Institution of Building Services Engineers (CIBSE)

Publications	**More than 35 publications such as:** **"Longitudinal Vortices Imbedded In Turbulent Boundary Layers" AIAA Paper No. 83-0378, AIAA Twenty First Aerospace Sciences Meeting, Reno, 1983.** **"The Effect of Imbedded Longitudinal Vortex Pair on Mean Parameters of Turbulent Boundary Layer" Journal Eng. Science ,KSU, Vol. 12, NO. 2, pp. 243-257, 1986.** **"Empirical Expression for Hot Wire with Correction for Temperature Drift" Warme und Stoffubertragung 21, pp.329-332, Springer-Verlag, 1987.** **"Fluctuation Levels In The Wake Of a Shedding Cylinder In Shear Flow", Int. Journal of Experimental, Thermal and Fluid Science, Vol. 5, 1992, pp.524-532** **"Effect of Nozzle Exit Geometry on the Development of Turbulent Jets", Journal of KSU, Vol. 6, Eng. Science(2) pp. 217-240, 1994.** **"Energy Separation in a vortex tube", Proceeding of Seventh Saudi Engineering Conference, Riyadh, K.S.U., 2007.** **"Passive Control of the Flow Field Around a Barchan Sand Dune Model" Proceeding of Seventh Saudi Engineering Conference, Riyadh, K.S.U., 2007.**
Academic Research Interests	**Turbulence measurements** **Vortex flow — Vortex tube** **Sand dune migration control** **Shear flows** **Building Mechanical services & Building Codes**