**Prof. Lev Shemer (Ph. D), Tel-Aviv University, Israel**

***EDUCATION***

1964 - 1970 Moscow Institute of Physics and Technology, M.Sc. (Cum Laude).

1974 - 1981 Tel-Aviv University, Ph.D.

***ACADEMIC EXPERIENCE***

1975 - 1982 Assistant (1975), Instructor (1977), Post-Doc. Fellow (1982), Faculty of Engineering, Tel-Aviv University.

1982 - 1984 Bantrell Post-Doctoral Fellow, Dept. of Aeronautics and Astronautics, M.I.T., Cambridge, Mass., U.S.A.

1984 - present Lecturer (1984), Sen. Lecturer (1986), Assoc. Prof. (1990), Prof. (1996) School of Mechanical Engineering, Faculty of Engineering, Tel-Aviv University.

1989 – 1990 NRC Senior Res. Ass., Naval Postgraduate School, Monterey, California, USA

Visiting Professor at ETH Zürich, Switzerland, l’Université du Sud Toulon-Var, France

***MEMBERSHIP IN PROFESSIONAL SOCIETIES***

American Geophysical Union, American Physical Society, European Geosciences Union,

Euromech, Israel Society for Applied and Theoretical Mechanics

***AWARDS AND FELLOWSHIPS***

Bantrell Post-Doctoral Fellowship at M.I.T., Cambridge, Ma. (1982 - 1984).

U.S.A. National Research Council Senior Research Associate Reward at Naval Postgraduate School, Monterey, Ca (1989 - 1990).

Chair in Experimental Fluid Mechanics, Tel-Aviv University (2011 - 2014)

The Lazarus Brothers Chair in Fluid Mechanics (2014 - )

***PRINCIPAL FIELDS OF RESEARCH INTERESTS***

 Experimental fluid mechanics, including investigation of unsteady turbulent and laminar single- and multi-phase flows, based on thermo-anemometry, PIV, digital processing of sequences of video images, as well as by application of a wide range of sensors

 Experimental and theoretical study of non-linear dynamics of deterministic and random water waves based on wave flume experiments and a number of theoretical models, including modifications of Zakharov equation; cubic and modified Schrödinger equation, KdV equation, Hasselmann equation

 Experimental study of wind-generated water waves

 Remote sensing of the ocean wave and currents, using stereo video imaging and the Synthetic Aperture Radar in regular and along-track interferometric (AT InSAR) modes

***GRADUATE STUDENTS:*** Graduated 8 Ph.D. (3 more currently in progress) and 15 M.Sc. with research theses (currently 2 in progress).

***ADMINISTRATION***: Served as a Head of School of Mechanical Eng., Special Dean for Absorption, TAU, stints as Head of Dept. of Fluid Mech. and Heat Transfer, Head of Faculty of Engineering committees (currently Head of the Promotion and Appointments Committee), member of university committees, etc.

***RESEARCH GRANTS:*** Multiple grants from ISF, BSF, Ministry of Science, Ministry of Defense, as well as from EC and industry, currently active grants from ISF, BSF, and Israeli Ministry of Defense.

***EDITORIAL BOARD:*** Int. J. of Multiphase Flows

***PUBLICATIONS:*** Over 80 papers in leading journals, over 100 presentations at major international meetings, including numerous invited lectures.