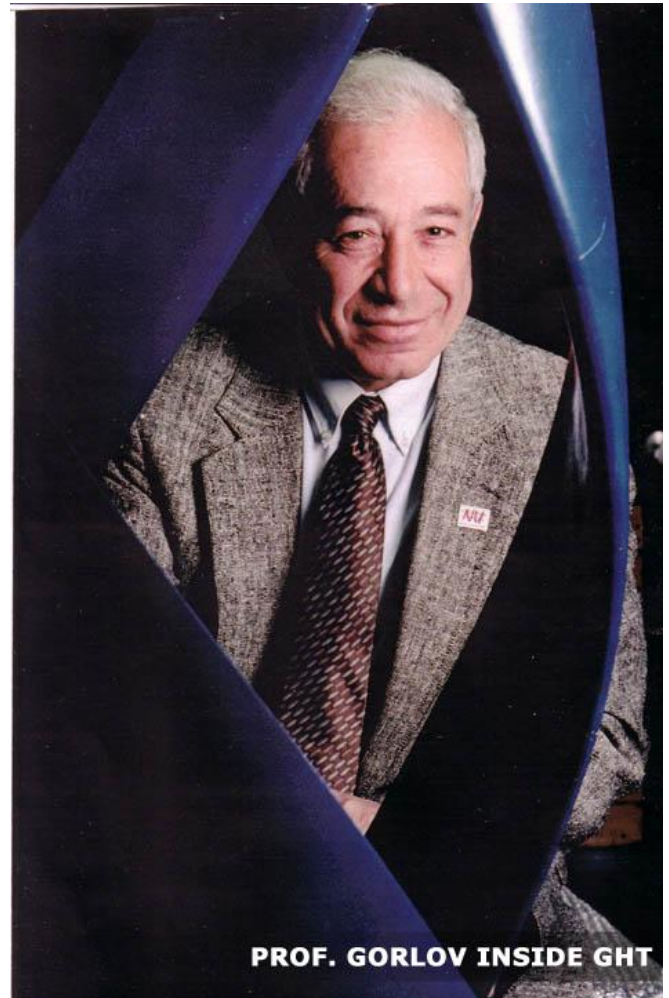


**Alexander M. Gorlov, PhD, PE** is a Professor Emeritus & Director of Hydro-Pneumatic Power Laboratory at Northeastern University in Boston. He has been teaching and researching at Northeastern from 1976.

Gorlov was born in Moscow, USSR, into the family of prosperous lawyer. His father was arrested and died in prison during Stalin's purges. His mother also spent a number of years in concentration camps in Russia.

Gorlov received his Doctorate in engineering and had a successful scientific career in Moscow for a number of years. He was granted the GOLD and two BRONZE Medals for Achievements of the USSR National Economy. In 1975 because of his friendship with Alexander Solzhenitsyn, the Nobel prize winner and outspoken critic of the communist system, Gorlov was forced to break with his Soviet life and emigrate, eventually establishing a new home in the United States.



Principal research of Dr. Gorlov includes development of mechanical systems for harnessing renewable energy from water flows and wind.

Gorlov has over 100 technical publications, including books, and 25 US and International patents. In 2001 he received the THOMAS A. EDISON AWARD by ASME for Invention of the Helical Turbine. Also, he was nominated for the 2001 LEMELSON-MIT PRIZE For INVENTION & INNOVATION.

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**INTERNATIONAL Engineering Activity:** Bridges and Tunnels (Russia, Design and Construction), Hydro Power Plant on Aswan Dam Project in River Nile (Egypt), Hydro Power Plants on rivers Khrum, Langanury (Georgia) and Sevan Lake (Armenia), Introduction of Helical Turbine for extracting Tidal Energy in Uldolmok Strait (Korea) and Chacao Channel (Chile)