



**Academia-Industry-Society
A Feedback Model for Economic Prosperity & Growth**

Dr. Panos George Kelamis

Thursday, 26 October 2017 (18:00)

Anastasios G. Leventis -University House, Room B108, University of Cyprus New Campus

Short CV:

Panos joined the Cyprus Hydrocarbons Company as CEO in October 2016. A graduate of University of Athens in Physics, he obtained his graduate degrees at Imperial College (MSc) and University of Alberta (PhD). His industrial career started with Western Geophysical in Houston, followed by two years at Dome Petroleum in Calgary. In 1985 he joined the R&D department of Saudi Aramco in Dhahran. In his over 30-year career with Saudi Aramco. Panos held several technical and managerial positions, including chief geophysicist and chief technologist responsible for all geophysical research. Recognized for his leadership/management skills, strong technical background, and practical application of leading-edge technology, Dr. Kelamis is a well-known author, speaker, organizer and participant in international oil & gas conferences. He is also an active advisor to major industry-sponsored University consortia and private research centers in North America, Europe & the Middle East. He was the Society of Exploration Geophysicists (SEG), 75th Anniversary Distinguished Lecturer in 2005 and served SEG as Vice President in 2006. In 2009 SEG bestowed on him Life Membership. Dr. Kelamis was the Technical Program Officer of the European Association of Geoscientists & Engineers (EAGE) and a Board member of EAGE (2010-2012). In 2010, he received EAGE's Nigel Anstey Award for his research efforts and innovation in Geophysics. He has over 150 publications/presentations in international journals/conferences and has received numerous awards.

Abstract:

An interrelated pull-push model linking the roles of academia, industry and society is presented. Instead of the traditional sequential steps representing a finite chain, the proposed pull-push model is firmly rooted to a series of coupled feedback cycles representing an endless loop. It is postulated that it can serve as the basis of a cohesive approach for societal integration leading to a systematic methodology for knowledge creation, entrepreneurial innovation and thus economic prosperity. The main assumptions and essential requirements pertinent to the organization and restructuring of academia are also examined followed by specific recommendations associated to inventive business practices and social/environmental awareness and facts. It is argued that science, technology and industry best practices should be combined into one integrated innovation policy leading to job creation and therefore to sustainable economic growth. Willingness to accept/adopt change and constant communication at all levels, are the fundamental and necessary boundary conditions that ensure effective/successful implementation of the feedback model. Two specific applications of this feedback model will be offered and discussed in detail. The first is related to energy consumption and economic wealth with direct implications to society needs and concerns. The second is more technical in nature outlining the future trends/initiatives in geophysical research for oil & gas exploration and field development.

