

ABOUT THE SPEAKER

Dr. Kelvin S. Rodolfo is a well-known **Geological scientist**. He is concurrently a **Professor Emeritus** of the Department of Earth and Environmental Sciences, University of Illinois at Chicago; an **Adjunct Professor** at the National Institute of Geological Sciences, University of the Philippines Diliman; and a **Balik Scientist** of the Department of Science and Technology.

Dr. Rodolfo graduated from UP Diliman in 1958, and earned his Master of Science and PhD degrees at the University of Southern California from 1960 to 1967.

He first worked for two years as a petroleum exploration geologist in Luzon, Cebu and Mindanao, and has been an interested observer of the petroleum industry ever since.

At UIC, he won six Awards for Excellence in Teaching. His research, funded by 13 U.S. National Science Foundation grants, has been published as 60 articles in international journals and conference proceedings.

He was involved in plate tectonic theory and deep-sea scientific drilling in the 1970's, then studied the lahars of Mayon Volcano in the Philippines in the 1980's. After surviving the climactic eruption of Pinatubo Volcano in 1991, he led a multi-agency effort to study its lahars through the 1990's, taking early retirement in 1994 to spend more time on hazard-mitigation research in the Philippines. His book, "Pinatubo and the Politics of Lahar" won a National Book Award in 1995.

His research now focuses on land subsidence around Manila Bay caused by overuse of groundwater, and the relative sea-level rise, worsening rain floods and tidal incursions it causes, and the phenomena of Peak Oil and Global Warming. He continues to teach at UP-NIGS and for the Honors College at UIC, for the last three years courses on hazard mitigation, Peak Oil, and climate change. (source: <http://www.researchcrossroads.org/>)

PRESENTATION ABSTRACT

GLOBAL WARMING has been brought about by a huge return to the atmosphere of FOSSIL FUELS that Nature took out of the air for hundreds of millions of years. For example, in a single year, global humanity burns and returns to CO₂ to the air an amount of petroleum that Nature stored in the Earth's crust for nine million years.

Recent efforts to REVIVE the BATAAN NUCLEAR POWER PLANT are dangerously misguided. The Philippines has many RENEWABLE RESOURCES that should be developed instead.

ABOUT THE SEMINAR SERIES

The SEMINAR SERIES is one of the major activities of the University-wide **Interdisciplinary Program on Climate Change**, as a primary means of informing the scientific community and the general public on pressing issues related to climate change and global warming.

The UPLB-IdPCC was created by UPLB Chancellor Luis Rey I. Velasco in June 2007 to oversee and coordinate the climate change-related research and development efforts of the University. It is now on its second year of implementation and is being coordinated by the UPLB School of Environmental Science and Management chaired by Dean Ma. Victoria O. Espaldon, and co-chaired by Dr. Felino P. Lansigan of the College of Arts and Sciences. Each College is represented in the program.

For more info, pay us a visit at SESAM or call (+63) 49-536-2251 or email mvoespaldon@uplb.edu.ph.

PROGRAMME

09:30AM	Registration	SESAM-IdPCC Staff
10:00AM	Invocation National Anthem	
	WELCOME REMARKS	DR. ARSENIO M. BALISACAN Executive Director, SEARCA
	OPENING REMARKS	DR. LUIS REY I. VELASCO Chancellor, UP Los Baños
	INTRODUCTION OF THE SPEAKER	DR. MA. VICTORIA O. ESPALDON Dean, SESAM and Chair, IdPCC
	SEMINAR PRESENTATION	

FOSSIL FUELS, CLIMATE CHANGE AND PHILIPPINE ENERGY ALTERNATIVES

Dr. Kelvin S. Rodolfo

OPEN FORUM
Moderator/Emcee

DR. FELINO P. LANSIGAN
Professor, InSTAT and Co-chair, IdPCC