KARL H. SZEKIELDA

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Adjunct Professor at City University of New York (CUNY) Hunter College and Doctoral Faculty of the Earth and Environmental Sciences of the Graduate School and University Center. Awarded USAID Science, Technology, Research and Innovation for Development Project (2016) and US Fulbright Specialist (2012 and 2015) at the Ateneo de Manila, Philippines. Held position of Adjunct/Research Professor at following institutions: NOAA's Cooperative Remote Sensing Science and Technology Center, CCNY'S Department of Electrical Engineering, CUNY (2000-2003), Marine Science of Long Island University (LIU), Southampton (2001), School of Continuing and Professional Studies of New York University (NYU) (1999-2001), Department of Physics, LIU Brooklyn (1998). In addition was Visiting Professor at Academia Sinica in Beijing (1988) and Visiting Full Professor, University of Hamburg (1976-1978), Assistant Professor in the College of Marine Studies, University of Delaware (1971-1975). Conducted seminars in Berlin, Beijing, Buenos Aires and Warsaw while with the United Nations. Main areas of teaching are in marine and coastal environment and management, small island developing states, environmental hazards, international pollution issues, sustainable development and environment, remote sensing and satellite monitoring of the earth with emphasis on the oceans.

INTERNATIONAL AFFAIRS:

At the United Nations (1974-76; 1978-1996), as chief of section and later as head of branch, carried out technical assistance programs on natural resources development, remote sensing and on outer space matters in cooperation with various governments. In 1996 was Chief of Branch in the Environment and Natural Resources Management Division of the Economic Commission for Southeast Asia and the Pacific (ESCAP).

AWARDS/ RESEARCH:

Visiting Professor, USAID STRIDE, Ateneo de Manila University, Philippines, June 2016.

Fulbright Specialist, US Fulbright Program, Ateneo de Manila University, Philippines, August-October, 2015.

Fulbright Specialist, US Fulbright Program, Ateneo de Manila University, Philippines, June-July 2012.

As ONR/ASEE Senior Faculty Fellow at the Naval Research Laboratory, Washington, D.C, carried out analysis of hyperspectral data obtained from aircraft and satellite altitudes over the oceans, monitoring spatial and temporal events, summers, 2006-2010.

Under CUNY Research Foundation and Suffolk County Department of Health, was *Principal Investigator* for study on brown tides, 2006-2008.

Anastasia Van Burkalow Distinguished Service Award, 2004.

NOAA CREST research focused on remote sensing of coastal environment and detection of photosynthetic pigments and harmful algae blooms, 2000-2003.

Research Associate at Columbia University Earth Engineering Center, 1997.

As *National Academy of Science Fellow* under NASA's Goddard Space Flight Center, did research with Nimbus satellite data, 1969-1971.

PUBLICATIONS:

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Author of book: *Satellite Monitoring of the Earth*, John Wiley and Sons, Inc. New York, 1988.

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