



# Biomedical Engineering

## *Lecture Series Seminar*

### *Organotins: Safer Materials by Design of Structure*

Friday, March 13<sup>th</sup>, 2009

1:30 PM, EC 2300



Keith Pannell, PhD

The role of organotins in modern society is significant: fungicides, polymer and plastic stabilizers; anti-fouling paints; and research pharmaceuticals. However, recent studies have shown that the commonly used materials, e.g. butyl tins, are present in the blood of ~80% of the US population and, furthermore pose a significant potential hazard to the human immune system. We are making new materials that possess structural features that remove or strongly diminish such health hazards. Professor Pannell is a specialist in the area of the chemistry, materials, and environmental fate of compounds of the group 14 elements Si, Ge, Sn and Pb and has published >210 articles in this general area in the refereed international journals resulting in > 3,000 citation in the international literature.. **Special Academic Appointments** Visiting Professor Posts: Universite de Liege, Belgium, 1978; University Hawaii, Spring 1977; Open University, England, 1979-1984; U. Nacional Autonoma de Mexico, 1981-3; Universidad de Guanajuato, Mexico, 1981-present; U. Metropolitana, Mexico, 1986-90; Coordinator, "Semana de Quimica", U.A. Chihuahua, Mexico, 1986/7; University of the West Indies, Jamaica, 1992; National Australian University, 1993; Indian Institute of Science and Technology, 1993; Japanese National University for Industry, 1996. Geelong University, Australia 1998, Universidad de Guanajuato (mini-sabatical), 2000; Federal University of San Carlos, Brazil, 2008; U. Automoma del Estado de Morleos, 2008.