

**Simon Ostrach, Ph.D., P.E.** Distinguished Lecture Series

Department of Mechanical and Aerospace Engineering

Science, Technology and Society

# THE TIGHTENING CIRCLE



## **George Bugliarello, Sc.D.**

**President Emeritus, Polytechnic University  
(now Polytechnic Institute of New York University),  
Foreign Secretary, National Academy of Engineering**

**Tuesday, September 16, 2008**

**4:15 to 5:15 p.m., Nord 310**

**Reception Immediately to Follow in Nord Atrium**

Our society has been shaped by the twin quests to understand nature—what has come to be called science—and to utilize nature in all of its aspects—and to build artifacts—what has come to be called technology, broadly encompassing engineering, medicine and agriculture. These two quests have repeatedly changed societal views of nature and our role in it and have been determinant in the development and survival of societies. In turn, science and technology and their interactions have been shaped by societal views and circumstances.

From the Industrial Revolution to today's information and biotechnology revolutions, this circle of reciprocal impacts is becoming ever tighter. The burning challenge for our society is to endeavor to understand the consequences of this accelerated dynamics and to guide its future evolution for the greater good of our species. The area of materials, so central to the advancement of society, is a fertile source of examples of this tightening circle.

<http://www.mae.case.edu/events/home>

**Seniors, graduate and postdoctoral students can also meet Dr. Bugliarello  
on Wednesday, September 17, 2008, Glennan 421, 12:30 p.m. - 1:30 p.m.**



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