Era of Abundance: a World Vision Made Possible by Technological Advances in Engineering
Albert P. Pisano, Dean, Jacobs School of Engineering; Walter J. Zable Chair in Engineering; Distinguished Professor, Mechanical and Aerospace Engineering, Electrical and Computer Engineering

This talk will describe a vision of abundance for the world, made possible by technological advances in engineering. These advances hold promise to usher in an era of abundant manufacturing, abundant fresh water, abundant food production and abundant energy. Professor Pisano will also offer a vision of how engineering education must change to enhance the progression of these technological advances.

This is the vision of Experiential Engineering Education, including stories about how engineers, working with our colleagues in the sciences and the humanities, should, can and do have immediate, direct positive impact on the day-to-day life of all of us, both in the developed and the developing world. To illustrate, Professor Pisano will describe his own research in harsh environment sensors and how they can be used to harvest safe energy.