



January 2012 Chapter Meeting

DATE: Thursday, January 19, 2011 at 5:00pm

LOCATION: UCSD Extension, University City Campus
Room 317
6256 Greenwich Dr
San Diego, CA 92122

Presentation Topic:

How System Engineers can fix Health Care?

By Dr. Michael Kremliovsky

This talk will begin with an overview on the origin and nature of complexity and how to control it by engineering systems. The focus will then shift to human physiology and problems that we face in the domain of medical devices with an emphasis on how systems engineering can improve health care.

Dr. Kremliovsky has graduate training in applied mathematics, space physics, and engineering. Dr. Kremliovsky has made contributions in several domains of academic research and industrial technology. He has worked on space plasmas, complex systems, digital signal processing, physiological modeling, software and information technology, cardiac arrhythmia detection and classification, remote patient monitoring, and artificial pancreas development. In the late 1990s, Dr. Kremliovsky led technology development that enabled an online presence and HIPAA compliance for medical clinics. Dr. Kremliovsky joined CardioNet, Inc. in 2004 with a task of creating a new set of algorithms specializing on remote cardiac ambulatory monitoring. With more than 400,000 patients served to date, CardioNet pioneered the field of mobile health and established a new area of application for wireless technologies in medicine. Dr. Kremliovsky joined Medtronic in 2009 with a focus on systems and algorithm development toward fully automated glucose control for Diabetes. Dr. Kremliovsky is an expert on mobile health, system science and engineering, quality function and regulatory compliance.

Bring a friend or colleague!

| | |
|-------------------|-------------------------------|
| 5:00 PM – 6:00 PM | Sign-in and Networking/Dinner |
| 6:00 PM | Installation of 2012 Officers |
| 6:15 PM | Speaker Presentation |
| 7:15 PM | Adjourn |

Please RSVP by COB on January 17th at www.sdincose.org in order to finalize catering.