

MECHANICAL ENGINEERING DEPARTMENT  
ME/ISyE 8773-8774  
FOUNDERS' LECTURE

**“Advances in Medical Device Development for Urological Applications”**  
by

**Gerald W. Timm, Ph.D.**  
President, GT Urological, LLC  
Professor, University of Minnesota Department of Urologic Surgery

**Wednesday, April 2, 2008**  
4:00 PM, 2-620 Moos Tower  
Receptions following Lecture at the Campus Club,  
4<sup>th</sup> Floor Coffman Union

**ABSTRACT** — Loss of urinary control and of erectile function is a frequent and distressing sequel to a variety of diseases and pelvic injuries affecting millions of Americans and hundreds of millions individuals worldwide. Technological solutions have been developed over the past several decades ranging from simple and sophisticated devices to aid with diagnosis of the causes to totally implantable prosthetic devices to treat these disorders. Arriving at useful solutions required the interdisciplinary cooperation of scientists, engineers, clinicians and industrial developers in order to move these concepts from ideas into products. This presentation will describe a number of these technological solutions and how they originated and matured.

**BIO** — Dr. Gerald W. Timm’s formal education was in Electrical Engineering at the University of Minnesota. Upon completion of his PhD in 1967 he joined the faculty of the U of MN Medical School’s Department of Neurology studying problems of the pelvic organs resulting from spinal cord injury, stroke and other neurological disorders. This work resulted in the conceptualization and subsequent development of a variety of devices for diagnosing and treating urinary control and male erectile disorders. He is a prolific author, inventor and entrepreneur having co-founded or founded five companies, the most recent being GT Urological, LLC, to bring these concepts to market. He currently has a part-time faculty appointment as Professor of Urologic Surgery at the University of Minnesota and is actively engaged in studies of urological disorders.

Dr. Timm’s community activities include service on the Boards of Directors of Park Nicollet Health Systems and TRIA Orthopedic Center. In 2001, the University of Minnesota honored Timm with its Outstanding Achievement Award where he was cited for his “pioneering research on electrical bladder stimulation and fluid energy transfer systems.”

**Reception follows lecture in Campus Club, 4<sup>th</sup> Floor Coffman Union. Buffet Dinner 6:30 PM. You must RSVP to Karon Mooney for the dinner, [mooney@me.umn.edu](mailto:mooney@me.umn.edu).**