

MSE SEMINAR

September 15, 2017

113 McBryde Hall

3:30 – 4:30 PM

Refreshments at 3:00 PM

James Nunn, MS, CHP, DABR

Biomedical Engineering and Mechanics
Virginia Tech

“Science and Engineering Applied to the Clinical Sciences”

ABSTRACT

As the practice of medicine evolves from art form to evidence based science there is a need for more classically trained scientists in healthcare. Diagnosis and treatment of disease requires ever more complex devices, the safe use of which necessitates persons with a highly technical education to be involved in all aspects of acquisition, setup, and clinical implementation. In this presentation we will explore the practice of Medical Physics and explore how science and engineering intersect with healthcare in the modern age. Specifically, we will discuss the diagnosis and treatment of cancer in a state of the art cancer facility and the interdisciplinary involved in the care of the patient.

BIOSKETCH

James Nunn is the Head of Clinical Medical Physics for the HCA Southwestern Virginia Market and Assistant Professor of Health Sciences at Virginia Western Community College. Mr. Nunn Received his B.S. degree in Mathematics from Bluefield College (2001) and a Master’s Degree in Physics from Virginia Tech (2005). He is certified by The American Board of Health Physics in Comprehensive Practice (2008) and certified by The American Board of Radiology in Therapeutic Medical Physics (2012). Mr. Nunn was appointed the Radiation Advisory Board for the State of Virginia in 2013 by Gov. Robert McDonnell. Mr. Nunn’s primary responsibility is to oversee and direct the Medical Physics efforts at Lewis Gale Regional Cancer Pulaski.