

Department of Physics and Materials Science



SEMINAR

Radiology Turns 125

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Dept. of Physics and Materials Science

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Abstract: The 1890's witnessed a dramatic series of discoveries, which transformed the practice of medicine and led to the creation of the modern field of radiology, which includes diagnostic imaging, nuclear medicine, and radiation therapy.

The discovery of x-rays in 1895 by Wilhelm Konrad Roentgen was followed a year later by Henri Becquerel's discovery of "Uranium rays" and radioactivity. Fascinated by this previously unknown energy source in Uranium, Marie and Pierre Curie discovered Radium in 1898. Roentgen, Becquerel, and the Curies would all eventually receive a Nobel Prize in Physics.

The seminar will include how these discoveries were made, how they were received by the medical community and the public, and what medical applications they would have.

Students in physics, pre-med, nursing, radiologic technology, nuclear medicine technology, and medical engineering are especially welcome to attend.

Bio:

Degrees:

BA, Rhodes College, 1970

MS, University of Memphis, 1993

Professional Societies:

Health Physics Society

American Association of Physicists in Medicine

Academy of Health Physics

American Board of Health Physics Examination Board, 2011-2015

Certifications:

American Board of Health Physics, Certified Health Physicists, 1986

American College of Radiology,

Diagnostic Medical Physics, 1995

Medical Nuclear Physics, 2003

Radiation Safety Officer, Methodist Hospitals of Memphis, 2004-2016

Currently retired

YOU ARE INVITED!

Friday Feb. 17th, 3 - 4 PM Manning Hall 201



Driven by doing.