

**Nuclear & Radiological Engineering and Medical Physics
Programs**
The George W. Woodruff School of Mechanical Engineering
Georgia Institute of Technology

Special Seminar:
Polonium-210 in Cigarettes

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MRDC Room 4211

11:00 AM

Abstract

Cigarettes contain relatively large quantities of ^{210}Po , a naturally occurring radionuclide. ^{210}Po subsequently deposits in the lungs of smokers, leading to the deaths of 140,000 members of the U.S. public annually. The associated collective dose is more than 36 times that to the workers at all our nuclear power plants and the U.S. Department of Energy nuclear facilities.

Biosketch

Dr. Moeller graduated from Georgia Tech with a BS in Civil Engineering and an MS in Environmental Engineering in 1947. He later (1957) received a PhD in nuclear engineering from North Carolina State University. He served 2 years in the Navy (during World War II), and 15 years as a Commissioned Officer in the U.S. Public Health Service. He subsequently served for 27 years as a member of the faculty of the Harvard School of Public Health. He is a past President of the Health Physics Society and the author of a widely used textbook, *Environmental Health*, now in its third edition. Dr. Moeller was elected to the National Academy of Engineering in 1978 and to the Georgia Tech Engineering Hall of Fame in 1999. He is currently a consultant and resides in New Bern, NC.

Refreshments will be served

For more information, contact Dr. Nolan Hertel, (404) 894-3601