



**ETCHPS
James E. Turner Back-To-School Lecture Series
Meeting Announcement**

**February 23, 2019 (Saturday)
7:30 am to 12:00 pm**

Attendance is FREE and open to the public

Roane State Community College Oak Ridge Campus
Oak Ridge City Room, A-111
701 Briarcliff Avenue, Oak Ridge, TN 37830

We have set the date for our 6th annual James E. Turner Back to School Lecture Series – February 23, 2019. This meeting has been very successful over the last 5 years. This is accomplished by keeping the content of the speakers light and informative. Traditionally, the meeting was called:

**“Contemporary Methods, Issues, and Concepts in the
Radiological and Nuclear Sciences --- Stuff You Should Know!”**

We also opened it up to not only college students studying nuclear sciences, but also high school students who may be interested in knowing more about the nuclear sciences, and in particular, health physics.

For Members: Continuing Education Credits will be awarded for attendance to those who are registered with the American Board of Health Physics, the National Registry of Radiation Protection Technologist, or Professional Engineer’s License.

I am looking for people willing to give a presentation on their research or experience with a particularly interesting Health Physics / Radiological Control Project. Please contact Myra Long at myra.long@ettp.doe.gov if you would like to be included.

For Students and Teachers: This meeting is an opportunity to meet people who have made a career in the radiological sciences, and come to a better understanding of what types of problems are being solved.

Below is the list of presentations from last year. The presentation list for this coming year will be provided at a later date.

ETCHPS – James E. Turner Back to School Lecture Series Saturday, February 24, 2018, 8:00 AM to 12:00 PM PROPOSED PRESENTATIONS
MNSR Reactors - An Introduction
Methods for Calculating the Source Term in NIRR-1 (KENO-3D, SHIFT, MCNP)
Introduction to Delayed Neutron Delayed Gamma Methods
Measurement Systems for Field Deployment
A Theory-Based Conceptual Model for Predicting Risk Tradeoffs in Radiation Policymaking
A Review of Epidemiological Evidence Leading to the Radiation Paradigm
Effect of Uranium Progeny Nuclides on Categorization of DOE Uranium Facilities
ASTM Standards That Influence Radiation Protection
GM Tubes - Benefits and Technology Advancements
TRU Waste Analysis at ORNL
Non-Medical X-Rays
Advancement in SAGe Well Technology
Accelerator-based Measurements of Light Ions and Neutrons Produced by Galactic Cosmic Ray Interactions
The Radiation Environment on the Martian Surface: A Modeling Challenge and Benchmarking Opportunity