

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



**February 24, 2018 (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 5th annual James E. Turner Back to School Lecture Series – February 24, 2018. This meeting has been very successful over the last 4 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.

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.

Light refreshments will be available, beginning at 7:30 am. We’ll start the presentations at 8:00 am, take a mid-morning break, and finish by ~ 12:00 pm.

**What do you need to do? Please RSVP to Wade Adams at adamswc916@gmail.com
so we can obtain a head count for refreshments.**

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