



Agenda

Detecting Radiation in Our Radioactive World

The American Nuclear Society's Teacher Workshop on Nuclear Science & Technology

Saturday, June 15, 2013

Hyatt Regency Atlanta – Regency 5

- | | |
|---------|--|
| 7:30 AM | Registrant Check-in (Continental Breakfast available) |
| 8:00 | Welcome & Introductions; Workshop Overview - Chuck Vincent |
| 8:05 | Seeing the Unseen (activity) - Ms. Candace Davison |
| 8:40 | Introduction to Radiation - Davison/ Dunzik-Gougar
Related Activities -
Modeling radiation types; half-life activities (licorice; M&M)
Paper half-life; modeling radioactive decay (demo) |
| 10:00 | BREAK |
| 10:15 | Nuclear Fuel Cycle: An Overview - Dr. Mary Lou Dunzik-Gougar |
| 10:30 | Nuclear Power/Electricity Generation – William “Art” Wharton |
| 11:15 | Other Applications of Nuclear - Ms. Candace Davison |
| 12:15 | LUNCH (provided) |
| 1:00 | Isotopes/Chart of Nuclides (activity/demo) – Bill Wabbersen |
| 1:45 | Fukushima Events & Impact on U.S. Nuclear Power Plants – Dunzik-Gougar |
| 2:45 | BREAK |
| 3:00 | Cloud Chambers activity & Irradiated Salt demo - Vincent/Davison
Radiography info |
| 3:45 | Radiation Monitors and How to Use Them in Your Classroom – Staff |
| 4:30 | College Opportunities/Careers for Students |
| 4:45 | Summary & Evaluation
“Geiger Counter Coupons” collected
Evaluations completed and collected
Certificates of Attendance distributed |
| 5:15 | Workshop Ends |



Funding for the ANS Teacher Workshop is provided, in part, through individual and organizational contributions to ANS Outreach and the Center for Nuclear Science & Technology Information

Photos of participants will be taken as they are involved in workshop activities.

Presenters

Ms. Candace Davison, M.Eng.

Senior Reactor Operator/Research Education Specialist
Breazeale Reactor, Penn State University
University Park, PA

Dr. Mary Lou Dunzik-Gougar

Asst. Prof., Nuclear Engineering, Idaho State University
Research Scientist, Idaho National Laboratory
Idaho Falls, ID

Mr. William Wabbersen

Facility Evaluation Board, SRNS
Member of Savannah River Local Section of ANS; Aiken, SC

William “Art” Wharton

Principal Project Engineer
Westinghouse Electric Co.
Monroeville, PA

ANS Workshop Staff

Chuck Vincent

Communications Administrator
ANS Teacher Workshop Coordinator
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La Grange Park, IL