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

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**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**

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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

American Nuclear Society

La Grange Park, IL