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Workshop on Developments in Analytical Measurements in the Nuclear Fuel Cycle

Dates: 18-19 September 2024

Location: Instituto de Pesquisas Energéticas e
Nucleares (IPEN)
São Paulo, Brazil

www.astm.org

This two-day workshop builds on previous analytical developments workshops held in Europe and Asia. Participants will have an opportunity to present their work for the latest developments and needs in methods of tests for the nuclear fuel cycle and nuclear processing. Included will be a session on methods for the qualification and performance testing of new fuel types. Applications include method of tests for the nuclear fuels cycle, environmental, safeguards, accountancy, and nuclear security, as well as statistical and process controls. It will include a forum for discussion of technical issues and sharing of information.

CALL FOR PAPERS

This Call for Papers solicits presentations for the sharing of technical expertise in the performance and advancement of analytical chemistry methods for the nuclear fuel cycle, discuss needs and provisions for new fuel types and use of reference materials and statistical applications. The scope of this workshop includes presentations for destructive analysis (DA), nondestructive analysis (NDA), and associated reference materials.

Each presentation will be scheduled for 20 minutes speaking time and 5 minutes for questions and answers. Presentations on NDA topics will be scheduled for the second day (19 September 2024) due to the laboratory NDA workshop on 18 September 2024.

TOPIC AREAS

The workshop will include presentations and technical discussions in the following topical areas:

1. Reference Materials and Quality Assurance in the Nuclear Fuel Cycle and Nuclear Processing
2. Test Methods for Uranium and Uranium Materials (in-lab, at-line, DA and NDA)
3. Test Methods for Plutonium and Plutonium Materials (in-lab, at-line, DA and NDA)
4. Test Methods for Other Actinides and Fission Products (in-lab, at-line, DA and NDA)
5. Methods supporting the development and manufacture of new fuel types, advanced reactor technologies, and materials research (in-lab, at-line, DA and NDA)
6. Spectroscopy, Environmental and Nuclear Forensics Methods

HOW TO SUBMIT AN ABSTRACT

Abstracts should be limited to 300 words or less and submitted to the co-chairs listed below.

Deadline for abstracts: 31 May 2024

FOR MORE INFORMATION

Visit <https://na.eventscloud.com/website/52335/astm-c26-sao-paulo-workshops/> or contact the workshop co-chairs:

Mike Brisson (email mike.brisson@srnl.doe.gov)

Joe Giaquinto (email giaquintojm@ornl.gov)