

2023 LANNS Symposium-2

Agenda

November 03, 2023

Attendees: A. Erickson, A. England, A. Schafer, C. Bravo, C. Hill, D. Straub, E. Lassair, G. Eccleston, I. Schreiber, J. Shade, J. Crawford, M. Duce, L. McKown, M. Dunbrack, N. Cannon, P. O'Driscoll, P. Yockey, S. Cole, Y. Tao

Location: Boggs building, 3-28

Zoom Access Link: <https://gatech.zoom.us/j/4880925228>

I. Presentations

- 09:00 ~ 09:05 Opening Remarks, Anna Erickson
- 09:05 ~ 09:15 Overview of Laboratories and Capabilities, Yuguo Tao
- 09:15 ~ 09:30 Evaluating Antineutrino-Based Safeguards Using the RETINA System, Matthew Dunbrack
- 09:30 ~ 09:45 ROADSTR Studies for the Mobile Antineutrino Demonstrator, Caizer Bravo
- 09:45 ~ 10:00 Uncertainty Quantification of Void Fraction Methods in the MSRR, Ian Schreiber
- 10:00 ~ 10:15 Our Models Matter: The Impact of Cyber-attacks on ML/AI-based ICS, Patience Christina Yockey
- 10:15 ~ 10:30 Enhanced Gamma Dose Environments with Godiva IV, Natalie Cannon
- 10:30 ~ 10:45 Break**
- 10:45 ~ 11:00 Triple PSD with Polysiloxane-based Scintillators, Mackenzie Duce
- 11:00 ~ 11:15 Unfolding the Fast Neutron Spectra with the Thermal Neutron Component Using Polysiloxane Scintillators via Neutron Unfolding Algorithms, Alexander England
- 11:15 ~ 11:30 Application of Organic Semiconductor for Direct Ionizing Radiation Detection, Shae Cole
- 11:30 ~ 11:45 Carbon Nanotube Field Emission X-ray Generator, Gracie Eccleston
- 11:45 ~ 12:00 Protein Detection with Carbon Nanotubes, Lucas McKown
- 12:00 ~ 12:15 Innovative Carbon Nanotube-based Field Emission Electronics for X-ray Generation & Imaging, Yuguo Tao

II. 13:30 ~ 14:30 Laboratory Reviews

III. 14:30 Adjournment