

# 2023 LANNS Symposium Agenda

May 12, 2023

**Attendees:** A. Erickson, A. England, A. Schafer, C. Bravo, G. Eccleston, I. Schreiber, J. Shade, M. Duce, M. Dunbrack, P. O'Driscoll, P. Yockey, S. Cole, Y. Tao

**Location:** Boggs building, 3-47

**Zoom Access Link:** <https://gatech.zoom.us/j/92191579745>

## I. Presentations

- 13:00 ~ 13:05 Opening Remarks, Anna Erickson
- 13:05 ~ 13:15 Overview of Laboratories and Capabilities, Yuguo Tao
- 13:15 ~ 13:30 Investigation of Next-generation Silicon Radiation Detectors Enabled by Tunnel Oxide Passivating Contact, Yuguo Tao
- 13:30 ~ 13:45 The Reactor Evaluation Through Inspection of Near-field Antineutrinos (RETINA) System, Matthew Dunbrack
- 13:45 ~ 14:00 Nearfield Anti-neutrino Detector Optimization, Caiser Bravo
- 14:00 ~ 14:15 Developments in the MSRR SSL, Ian Schreiber
- 14:15 ~ 14:30 Cyber Risk Assessment of Traditional and Automated Machine Learning in Autonomous Control Systems, Patience Christina Yockey
- 14:30 ~ 14:45 Progress in Polysiloxane Organic Scintillators for Radiation Detection, Mackenzie Duce
- 14:45 ~ 15:00 Correlating Reactor Power with Detector Noise, Characterizing a D-T Generator, and Other Lab Work, Alexander England
- 15:00 ~ 15:10 Application of Organic Copolymer based Semiconductor for Direct Ionizing Radiation Detection, Shae Cole

## II. 15:10 ~ 16:00 Laboratory Reviews

## III. 16:00 Adjournment

## IV. 17:30 Reception