

CASIS Workshop 2020

Wednesday August 26

| Speaker | Title | Session | Time |
|-------------------|--|-------------------|-------------------|
| Karl Nelson | A Novel Method using Dantzig's Simplex Method for Gamma-Ray Shielding Estimation | Signal Processing | 1:00 PM – 1:30 PM |
| Brian Worthmann | Three-dimensional ground penetrating radar imaging for buried hazard detection | Signal Processing | 1:30 PM – 2:00 PM |
| Liliana Wang | Optimization of stochastic parallel gradient descent (SPGD) algorithm for highly scattering and heterogeneous soil imaging | Signal Processing | 2:00 PM – 2:30 PM |
| Andy Townsend | NDE of additively manufactured surfaces using x-ray CT | NDE II | 2:30 PM – 3:00 PM |
| Katie Harke | A 3-Ring Flash X-ray Diagnostic for Dynamic Computed Tomography | NDE II | 3:00 PM – 3:30 PM |
| Venkatesh Sridhar | Model-based Reconstruction for X-ray Diffraction Imaging | NDE II | 3:30 PM – 4:00 PM |
| various | various | Breakout Session | 4:00 PM – 5:00 PM |

Thursday August 27

| Speaker | Title | Session | Time |
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| Jordan Lum | Improving Laser-Based Ultrasound Imaging with Hadamard Multiplexing and Total Focusing Method | NDE I | 1:00 PM – 1:30 PM |
| Saptarshi Mukherjee | A compressed sensing framework for ultrasonic NDE of additively manufactured components | NDE I | 1:30 PM – 2:00 PM |
| Steve Azevedo | Signal and Image Processing Roots at LLNL | Keynote Speaker | 2:00 PM – 2:40 PM |

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| Brad Funsten | Post Processing hCMOS Images to Produce Light Field Images for 3D Applications | NIF | 2:40 PM – 3:10 PM |
| James Henrikson | Thin Plate Spline Smoothing on the National Ignition Facility's VISAR Diagnostic | NIF | 3:10 PM – 3:40 PM |
| various | various | Breakout Session | 4:00 PM – 5:00 PM |