

TRIDENT

SCHOLARS



0750 JONATHAN HUANG

Electrochemical and Spectroscopic Investigations of Bismuth(III) Ions with Sulfur-Containing Biomolecules

0820 SAM LANEY

Participant and Channel Privacy in End-to-End Encrypted VoIP Teleconferencing

0850 CAROLINE TURNER

Network Analysis of Concussion Symptoms in Collegiate Athletes

0920 PIPPIN ROBISON

Investigating the Photodegradation Mechanisms of Chlorpyrifos in Arctic Lacustrine Systems

0950 SARAH SORENSEN

Ensuring Equitable Access to Liver Transplant Using Linear Programming, Network Flow, and Simulation

1020 CAMERON SMITH

Characterizing Tandem Fin Wake Using Lateral Line Inspired Sensors

1050 LOGAN SCHOFFSTALL

Effects of Gamma Radiation on the Thermal and Mechanical Properties of Additively Manufactured Thermoplastics

1120 MATTHEW FOX

Structural and Magnetic Properties of Iron-Palladium and Iron-Nickel Nanoparticle Biocomposites

1300 JAMES POTTICARY

A Novel Approach to Thermoelectric Material Fabrication Using Additive Manufacturing

1330 WILLIAM JARRETT

Machine Learning-based Design of Structured Laser Light for Improved Data Transfer Rate in Underwater Wireless Communication

1400 SKYLER SCHORK

Machine Learning Enabled Prediction of Optical Turbulence from No-Reference Imaging

1430 KYLE JUNG

An Analytical and Computational Study of the Paraxial Wave Equation with Applications to Laser Beam Propagation

1500 KADE HECKEL

Competitively Learned Attention Mechanism Prototypes (CLAMPs) for Network Intrusion Detection

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