Scholars Week Presentations

Department of Physics and Astronomy
Thursday, May 15
CF 386
1pm - 4:40pm

Kyle Hoke (Faculty Advisor: Janelle Leger)
Plasmon Polariton Modes in High Index Dielectric Structures

Holly Christenson (Faculty Advisor: Kristen Larson)
Uncertainty in the Extinction-to-Reddening Ratio in the Near Infrared
Due to Error in the Assumed Spectral Type of Main-Sequence
Background Stars

Jacob Borg (Faculty Advisor: Takele Seda)
Mechano-Chemical Synthesis and Characterization of Fe doped CeO₂
for Spintronics

Jaron Kropp (Faculty Advisor: Ken Rines)
Investigating Ellipticity of Galaxy Clusters

Evan Johnson (Faculty Advisor: Seth Rittenhouse)
Exploring Particle Transport Properties of One-Dimensional Crystal
Lattices with Overlap Impurities

Andrew Wray (Faculty Advisor: Seth Rittenhouse)
Two Dimensional Few-Body Systems and Magnetic Fields

Colin Sarkis (Faculty Advisor: Takele Seda)
Mechanochemical Synthesis and Characterization of Iron-doped TiO₂

Emily Granston (Faculty Advisor: Andrew Boudreaux)
Assessing Effectiveness of Lab Curriculum in Promoting Student
Understanding of Kinematics

Tyko Shoji (Faculty Advisor: Janelle Leger)
Progress Toward Tunable White Light-Emitting Electrochemical Cells

Nathan Bradshaw (Faculty Advisor: Janelle Leger)
Biocompatible Silk Poly(pyrrole) Composite Electromechanical
Actuators