



## 2016 Hauber Fellows

[Click here](#) to view the 2016 Hauber Research Presentations on YouTube.

### Evaluation of 6DOF Sensor Systems for Manufacturing Robots

Hauber Fellow: Andrea Acosta

Faculty Mentor: Roger Eastman, Computer Science

### Correlations of Chromosomal Aberrations and Fragile Sites throughout the Yeast Genome

Hauber Fellow: Gianna Branella

Faculty Mentor: Lisa Scheifele, Biology

### Molecular Dynamics Simulations

Hauber Fellow: Micah Duzey

Faculty Mentor: Mary Lowe, Physics

### A Green Method for the Chemoenzymatic Synthesis Chiral Hydroxyketones

Hauber Fellow: Theodore Fortier

Faculty Mentor: Courtney Hastings, Chemistry

### Searching for an Orbital-Free Kinetic Energy Functional in Many-Electron Systems

Hauber Fellow: Adrian Halarewicz

Faculty Mentor: Randall Jones, Physics

### Improving Thermal Comfort via Spatially Adaptive HVAC

Hauber Fellow: Matthew Kalensky

Faculty Mentor: Robert Bailey, Engineering

### Development of an Encapsulation Strategy for Chemoenzymatic Reactions

Hauber Fellow: Samuel Kolb

Faculty Mentor: Courtney Hastings, Chemistry



## Extracting Knowledge from Large Text Collections

Hauber Fellow: Jessa Laspesa & Michael Latman

Faculty Mentor: Dawn Lawrie, Computer Science

## Molecular Dynamics Simulations

Hauber Fellow: Joseph Lopez

Faculty Mentor: Mary Lowe, Physics

## The Blacksmith's Paradox

Hauber Fellows: Emily Mansour

Faculty Mentor: Robert Pond, Engineering

## Handedness within the Behavior of the Wood Thrush (*Hylocichla Mustelina*)

Hauber Fellow: Liam McCrea

Faculty Mentor: Kim Derrickson, Biology

## An Analysis of the Impacts of Green Tea on Mechanistic Aspects of Phagocytosis

Hauber Fellow: Allison Meyers

Faculty Mentor: Christopher Thompson, Biology

## A Green Chemoenzymatic Method for Amide Synthesis

Hauber Fellows: Thomas Porth

Faculty Mentor: Courtney Hastings, Chemistry

## Mechanical Properties of Cold Worked High-Purity Aluminum

Hauber Fellows: Tanner Robinson

Faculty Mentor: Robert Pond, Engineering

## Spherical Casimir Effect for a Massive Scalar Field in N-dimensions

Hauber Fellows: Dalton Spatz

Faculty Mentor: Andrea Erdas, Physics