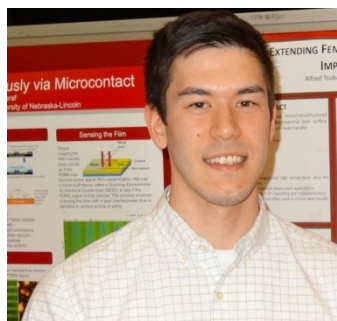


Riley Giesler
Chemistry
Enzymatic Dynamic Reductive Kinetic Resolution (DYRKR) as a Route into Value-Added Building Blocks: D-Glucose as Biorenewable Reductant



Abhijeet Prasad
Chemical & Biomolecular Engineering
Application of DSP Techniques to Optical Electrochemical Detection



Alfred Tsubaki
Mechanical & Materials Engineering
Extending Femtosecond Laser Surface Processing to Materials Important to Heat Transfer Applications



Anuja Bhalkikar
Chemistry
Method Development for Separating Organic Carbonates Using Ion-Moderated Partition High Performance Liquid Chromatography



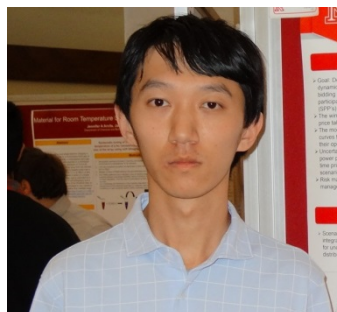
Christopher Marin
Chemistry
Kinetic and Mechanistic Investigations of the Direct Synthesis of Dimethyl Carbonate (DMS) from CO₂ over Ceria Nanorod Catalysts



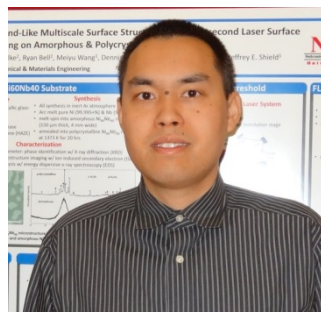
Corey Kruse
Mechanical & Materials Engineering
Secondary Pool Boiling Effects



David Moore
Chemical & Biomolecular Engineering
Printing Two Inks Simultaneously via Microcontact



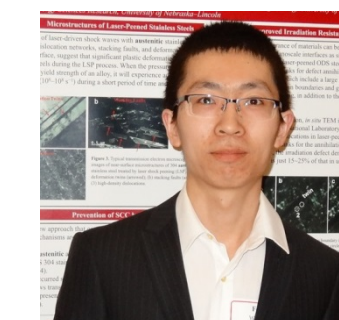
Dongliang Xiao
Electrical and Computer Engineering
Stochastic Wind Power Bidding in the Southwest Power Pool Market



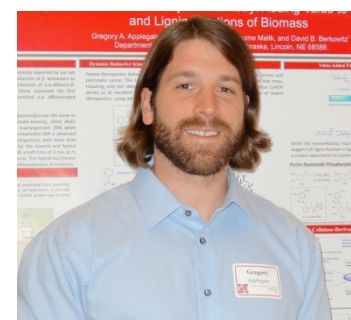
Edwin Peng
Mechanical and Materials Engineering
Formation Mechanisms of Mound-Like Multiscale Surface Structures by Femtosecond Laser Surface Processing on Amorphous & Polycrystalline Ni₆₀Nb₄₀



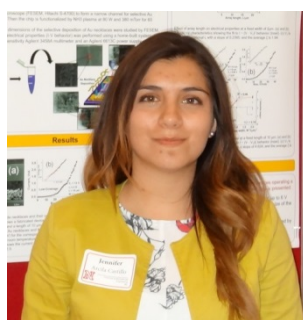
Erome Hankore
Chemistry
Biosynthesis of Ethylene Glycol



Fei Wang
Mechanical and Materials Engineering
Laser Shock Peening of Oxide-Dispersion-Strengthened Austenitic Alloys



Greg Applegate
Chemistry
Hybrid Bio/Chemo-Catalytic Chemistry: Adding Value to the Hemicellulosic and Lignin Fractions of Biomass



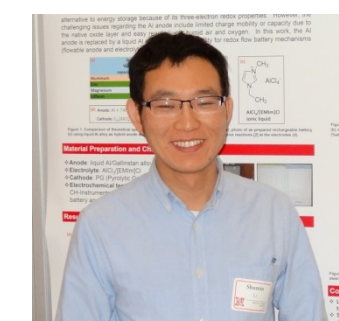
Jennifer Arcila
Chemical & Biomolecular Engineering
Material for Room Temperature Single Electron Devices with Tunable Band Gap



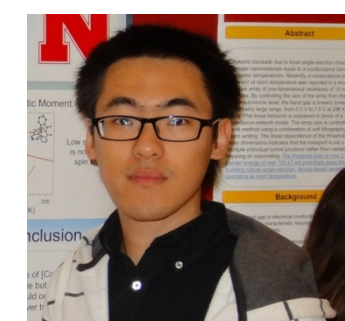
Lei Li
Chemistry
Mechanistic Understanding of the Formation of Dimethoxy Carbonate from the CO₂ Esterification with Methanol on the CeO₂(111)



Maya Khasin
Biological Sciences
Abscisic Acid Regulates Plantlike Stress Responses in Algae



Shumin Li
Mechanical and Materials Engineering
Liquid Aluminum Alloy as Anode for Redox Flow Batteries



Yang Liu
Physics and Astronomy
The Imperfect Spin Crossover Transition of a Cobalt Complex with Symmetric Pyrazine Imide Ligands



Zahra Ahmadi
Physics and Astronomy
Interface-Engineered Materials for High-Efficiency All-Organics Solar Cell

- The Undergraduate and Graduate Student Poster Sessions were sponsored by the Office of Research and Economic Development, the Office of Graduate Studies, and NUtech Ventures as part of the campus-wide 2016 Spring Research Fair. The event is an opportunity for undergraduate and graduate students to showcase research, communicate results and exchange knowledge and ideas.
- One undergraduate poster was presented by Riley Giesler. This is the first undergraduate poster related to Energy Center grants.
- Of the 141 graduate posters entered, 17 posters or 12 percent of the total participants were submitted by students who worked on NCESR-funded research.

To view the posters related to NCESR-funded projects, go to: http://ncesr.unl.edu/?page_id=10444