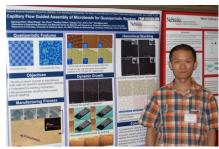


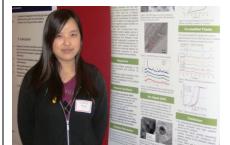


Energy Sciences Research at the 2011 Graduate Student Poster Session

Seventeen or 9.2% of the 184 posters at the 2011 Research Fair were presented by graduate students working on energy sciences research grants supported by the Nebraska Center for Energy Sciences Research.



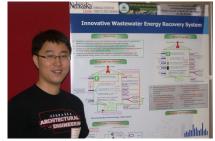
Ziguang Chen Capillary Flow Guided Assembly of Microbeads for Quasiperiodic Stacking Engineering Mechanics



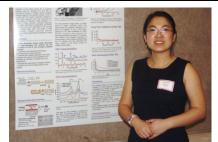
Gonghua Wang Titania Nanotubes Supported Nanogold and Nanoceria Chemistry



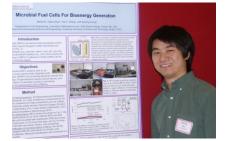
Comparative Analysis of Peak Detection Techniques for Comprehensive Two-Dimensional Gas Chromatography Computer Science & Engineering



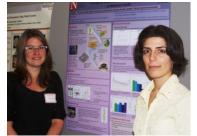
Xiaoyu Liu Innovative Wastewater Energy Recovery System Architectural Engineering



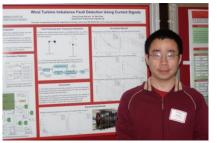
Yunyun Zhou ELF-Recharging Palladia Nanoparticules on Cerium Oxide Nanorod Support for Catalytic Oxidation Chemistry



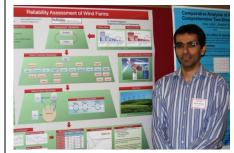
Meng Hu Microbial Fuel Cells for Bioenergy Generation Civil Engineering, PKI



Severine Vennin (left) and Elham Forouzesh (right) Quantifying the Viscoelastic Properties of Switchgrass Using Micro/Nano Engineering Tools Engineering Mechanics



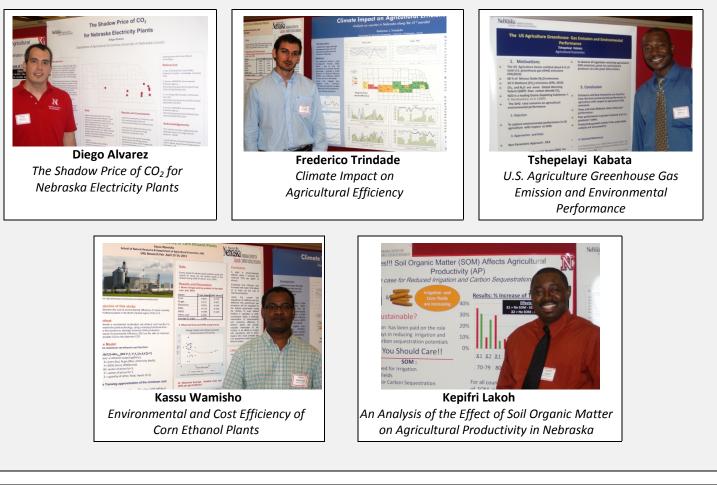
Xiang Gong Wind Turbine Imbalance Faults Detection Based on Current Signals Electrical Engineering

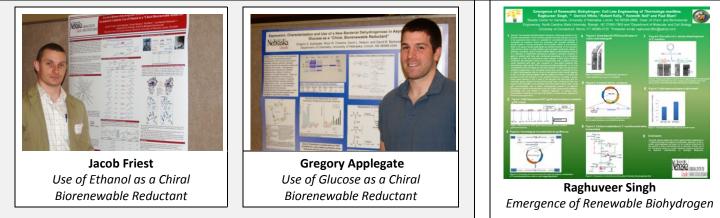


Salman Kahrobaee Reliability Assessment of Wind Farms Electrical Engineering









The energy-related posters, which were displayed at the Graduate Student Poster Session* are available to view in a larger size on the Energy Center's website at <u>www.ncesr.unl.edu</u>.

* The Graduate Student Poster Session, a celebration highlighting graduate student research and creative activity, was held on April 13, 2011 as part of the campus-wide 2011 UNL Research Fair. The purpose was to give students the opportunity to showcase their research or creative activity; to communicate their results to other students, faculty and staff; and to learn about other areas of research and creative activity. The event was sponsored by the Office of Research and Economic Development, Office of Graduate Studies and the Nebraska Chapter of Sigma Xi.