Engineering Oral Session:

3rd Place – Tamas Erdos – Thermal Magic Formula Based Tire Model for Simulation Use in Racing Applications – Research Advisor, Dr. Ryan Hutcheson / Mechanical & Aerospace Engineering

2nd Place – Mariana Escalona Diaz – Vortex Induced Lift Augmentation: Case Study – Research Advisor, Dr. Fathi Finaish / Mechanical & Aerospace Engineering

1st Place – Anan Takroori – Influence of Flow Baffles on Mixing of Two Air Streams - Research Advisor, Dr. Fathi Finaish / Mechanical & Aerospace Engineering

Sciences Oral Session:

3rd Place – Kristin Kelly – Genomic Analysis of an Unknown Gene Family in Glycine Max - Research Advisor, Dr. Ronald Frank / Biological Sciences

2nd Place – Tiffany Ramsey – Removal of Sulfamethoxazole in Water Samples Using Nano-materials and Activated Carbon, Dr. Yinfa Ma / Chemistry

1st Place – Erica Shannon – Changes in the Gene Expression of Muscarinic Acetylcholine Receptors as a Result of a Constitutively Active Phenotype - Research Advisor, Dr. Robert Aronstam / Biological Sciences

Social Sciences Oral Session:

3rd Place – Joseph Pieczynski – Virtual Communities in an Enterprise Portal and the Effect on Corporate Governance for Generation Y - Research Advisor, Dr. Bih-Ru Lea / Information Science & Technology

2nd Place – Lauren Summerville – Second to Fourth Digit Ratio: A Measure of Intelligence - Research Advisor, Dr. Jacqueline Bichsel / Psychology

1st Place – Frank Keehn – Collective Efficacy and Group Performance in Computer Mediated Settings - Research Advisor, Dr. Nancy Stone / Psychology
Arts and Humanities Oral Session:

3rd Place – Evan Mobley – Know When to Fold’Em: The Portrayal of Compulsive Gambling and Gamblers Anonymous in News Articles, 1956-1999 - Research Advisor, Dr. Larry Gragg / History & Political Science

2nd Place – Samantha Lucker – When Nature is Not Enough: Frederick Douglass’ Desire to Enter Human Society in Narrative of the Life of Frederick Douglass: Ann American Slave - Research Advisor, Lindgren H Johnson / English & Technical Communication

1st Place – Ashley Grace – Public Policy on Pathological Gambling: An Examination of Federal Recommendations and the Gaming industry’s Response - Research Advisor, Larry Gragg / History & Political Science

Poster Session Awards

Sciences Poster Session:

3rd Place – Crystal Twenter – The Origin of Minor Folds Associated With A Structural Dome Along the Seiyal Fault in the Western Desert of Egypt - Research Advisor, Dr. John Hogan / Geological Sciences & Engineering

2nd Place – Alexis Martin and Megan Koerner – Honokiol Blocks Store Operated Calcium Entry in CHO Cells Expressing the M3 Muscarinic Receptor - Research Advisor, Dr. Robert Aronstam / Biological Sciences

1st Place – Casey Burton – Sarcosine Detection by Dichlorofluorescein as a Hydrogen Peroxide Probe - Research Advisor, Dr. Yinfa Ma / Chemistry

Research Proposal Poster Session:

3rd Place – Daniel Hillis – Inspection Methods for Porosity and Disbonds of Polyaniline (PANI) Coating on Aluminum Alloy 6061 - Research Advisor, Dr. Reza Zoughi / Electrical & Computer Engineering

2nd Place – Joseph Kurtz – Balancing Limited Resources for Speech Transcription on Mobile Devices - Research Advisor, Dr. Daniel Tauritz / Computer Science

1st Place – Amanda Foster and April Pummill – Saving the Honeybees: A Synthetic Biology Approach – Research Advisor, Dr. David Westenberg / Biological Sciences
**Engineering Poster Session:**

3rd Place – Rachel Bartz and Jordan Wilson – Effect of Groundwater Depth on Aerobic Biodegradation of BTEX Using In-Planta Measurements – Research Advisor, Dr. Joel Burken / Civil, Architectural & Environmental Engineering

2nd Place – Cailie Carlile – Effect of Fly Ash on Growth of Mustard and Corn - Research Advisor, Dr. Joel Burken / Civil, Architectural & Environmental Engineering

1st Place – Benjamin Weideman – Effects of Thermal Loading on Oil Well Cement - Research Advisor, Dr. Runar Nygaard / Geological Sciences & Engineering

**2011-12 OURE Fellows / Award Recipients:**

1. Emily Kackley and Jacob Mueller – Spectral Analysis of Basal Cell Carcinoma - Dr. Joe Stanley, Dr. Randy Moss, Dr. Bijaya Shrestha, Dr. Joe Stanley and Dr. William Stoecker/Electrical and Computer Engineering, Research Advisors

2. Austin Ramsey – Ionic Liquids as the Working Fluid in a Cooling System – Dr. Klaus Woelk, Research Advisor

3. Amanda Foster and Erica Shannon – Public Opinion of Synthetic Biology in Response to Education, Dr. David Westenberg/Biological Sciences, Research Advisor


**Best Bibliography Award Recipients:**

Engineering – Andrew Brune - Aerodynamic Heating Analysis of Hypersonic Cruise Vehicles in Conceptual Design

Sciences – Erica Shannon – Changes in the Gene Expression of Muscarinic Acetylcholine Receptors as a Result of a Constitutively Active Phenotype

Social Sciences – Joseph Pieczynski – Virtual Communities in an Enterprise Portal and the Effect on Corporate Governance for Generation Y

Arts & Humanities – Evan Mobley - Know When to Fold 'Em: The Portrayal of Compulsive Gambling and Gamblers Anonymous in News Articles, 1956-1999