2nd annual
Celebration of
Student Research and
Creative Activity

University of Nebraska at Omaha
Milo Bail Student Center

Graduate oral presentations and performances | 5:30—9:00 p.m. | Chancellor’s Room—2nd floor
Undergraduate oral presentations and performances | 5:30—8:00 p.m. | U-Mo-Ho Room—3rd floor
Poster presentations and exhibits | 7:35—9:15 p.m. | Nebraska Room—2nd floor

April 6, 2010

April 7, 2010

Graduate oral presentations and performances | 5:30—9:00 p.m. | Chancellor’s Room—2nd floor
Poster presentations and exhibits | 7:35—9:15 p.m. | Nebraska Room—2nd floor

April 8, 2010

Awards program | 4 p.m. | Ballroom—2nd floor

As a student-focused university, the University of Nebraska at Omaha provides a variety of quality research and creative activity opportunities for students. This year, the second Student Research and Creative Activity Fair has been planned in conjunction with the annual Honor’s Program Senior Symposium. Undergraduate and graduate students will showcase their research and creative activity as oral presentations, performances, poster presentations, and exhibits.

Thank you to the planning committee members for their time and expertise: Christine Beard, Prithviraj Dasgupta, Kristen Hendershot, Wendi Jensen, Harmon Maher, Jerri Maxwell, Christine McIvor, Philip Nordness, Roni Reiter-Palmon, Rosalie Saltzman, Lisa Scherer, Joanne Sowell, and Robert Woody.

We appreciate the willingness and time of those serving as judges for this event, our UNO friends: John Buckley, Omaha Public Power District; Audrey DeFrank, UNO, Criss Library; Mariana Fox, Ponca Tribe of Nebraska; Andrew Jameton, University of Nebraska Medical Center; Linda Mannering, UNO, Institutional Research; Tim McIvor, Omaha Public Power District; Julie Reilly, Ford Museum; Robert Runyon, emeritus faculty, UNO; Jacquie Scoones, KANEKO; Susie Sisson, Marian High School; Mike Watkins, Buena Vista University; Del Weber, emeritus chancellor, UNO; and Tanya Wright, Boys Town.

The event was made possible with support from the Office of Sponsored Programs and Research and the Office of Graduate Studies.
Tuesday, April 6

GRADUATE ORAL PRESENTATIONS
AND PERFORMANCES
5:30—9 p.m. - Chancellor’s Room - 2nd floor
Each presentation is 10 minutes in length.

JICHONG AN (OG-2)
“Conductive Concrete Sidewalk Panel Heating Research”
Major/minor: Civil Engineering, Graduate
Faculty advisor: Christopher Y. Yuan

ANDREA ERIN BASS (OG-3)
“Lululemon’s Commitment to the Environment: A tangle of seaweed, suppliers, and social responsibility”
Major/minor: Business Administration, Graduate
Faculty advisor: Lynn Harland

ANDREW K. BIRNIE (OG-4)
“Prenatal Androstenedione Levels are Associated with Later Juvenile Play Behavior in the White-Faced Marmoset (Callithrix geoffroyi)”
Major/minor: Psychology, Graduate
Faculty advisor: Jeffrey French

CHANGSOO SONG (OG-29)
“The role of an effective IT intervention for micro-enterprises”
Major/minor: Public Administration, Graduate
Faculty advisor: Kenneth Kriz

ERIC BURR (OG-6)
“Structural Dynamics of Coxsackievirus B3 RNA upon Host Protein Binding”
Major/minor: Biology, Graduate
Faculty advisor: William Tapprich

WEI CHEN (OG-7)
“Trends Analysis of Topics Based on Temporal Segmentation”
Major/minor: Information Technology, Graduate
Faculty advisor: Parvathi Chundi

JESSICA R. CLEM (OG-8)
“Implementation of a Telepsychiatry Clinic for Developmentally Disabled Adults”
Major/minor: Urban Studies, Graduate
Faculty advisor: James Sorrell

PATRICIA M. COATE (OG-9)
“The Origins of Migration from Carlentini, Sicily to Omaha, Nebraska, 1897-1905”
Major/minor: History, Graduate
Faculty advisor: Bruce Garver

7:00 p.m.
CARRIE CONLEY (OG-10)
“Graffitti Tags as a Method of Defining Space”
Major/minor: Criminology/Criminal Justice, Graduate
Faculty advisor: John Crank

KATE DEMPSAY (OG-11)
“Identifying Differentially Expressed Gene Modules for Aging with Correlation Networks”
Major/minor: Pathology and Microbiology/Bioinformatics, Graduate
Faculty advisor: Hesham Ali

ABBY FREEMAN (OG-12)
“Organizational Change: The Influence of Trust on Employee Resistance”
Major/minor: Communication, Graduate
Faculty advisor: Chin Chung (Joy) Chao

ANDREA IACCHERI (OG-13)
“I’m angry, but can we, umm...still have sex? A quantitative study in verbal and non-verbal expressions of anger and sexual intimacy levels within newlywed married couples”
Major/minor: Communication, Graduate
Faculty advisor: Chin Chung (Joy) Chao

VICTOR ICENOGLE (OG-14)
“The Airport Problem: Demonstrating Problem Analysis”
Major/minor: Mathematics, Graduate
Faculty advisor: Michael Matthews

7:00 p.m.
SHELLI INNESS AND CHERIL LEWIS (OG-15)
“To Tweet or not to Tweet? The Impact of Twitter Use in Non Profit Organizations and on Levels of Political Efficacy”
Major/minor: Communication, Graduate
Faculty advisor: Chin Chung (Joy) Chao

5:30—9 p.m. - Chancellor’s Room - 2nd floor
Each presentation is 10 minutes in length.

JILL JOZWIAK (OG-16)
“Cross-Class Unity in the Early Progressive Era: Kelly’s Army in Omaha and Council Bluffs”
Major/minor: History, Graduate
Faculty advisor: William Pratt

JANYL A. JUMADINNOVA (OG-17)
“FORETELL: A Multi-agent Prediction Market for Forecasting Event Outcomes”
Major/minor: Information Technology, Graduate
Faculty advisor: Prithviraj Dasgupta

DAE-YOUNG KIM (OG-18)
Major/minor: Criminology/Criminal Justice, Graduate
Faculty advisor: Candice Button

FAHIMEH REZAEI (OG-26)
“Long Term Evolution OFDM based Physical Channel performance compared to Wimax”
Major/minor: Computer and Electronics Engineering, Graduate
Faculty advisor: Hamid Sharif

JOSEPH LEE (OG-20)
“Paradoxical Groups and the Sets They Act Upon”
Major/minor: Mathematics, Graduate
Faculty advisor: Andrej Roslanowski

UNDERGRADUATE ORAL PRESENTATIONS
AND PERFORMANCES
5:30—8 p.m. - U-Mo-Ho Room - 3rd floor
Each presentation is 10 minutes in length.

5:30—8 p.m. - U-Mo-Ho Room - 3rd floor
Each presentation is 10 minutes in length.

5:30—8 p.m. - U-Mo-Ho Room - 3rd floor
Each presentation is 10 minutes in length.

KELTY ABBOTT (OU-1)
“Endocrine Disruption in the Bow Creek Watershed”
Major/minor: Biology, Undergraduate
Faculty advisor: Alan Kolok

NICHOLAS CONOAN (OU-2)
“Differential expression of STAR mRNA in the Fathead Minnow (Pimephales Promelas)”
Major/minor: Biotechnology/Chemistry, Undergraduate
Faculty advisor: Alan Kolok

ERIN FOSNAUGH (OU-3)
“Dual Tasking Indicates Elderly Inability to Delegate Locomotion to Lower Levels of Control”
Major/minor: Exercise Science/Chemistry/Biotechnology, Undergraduate
Faculty advisors: Nick Stergiou, Leslie Decker and Sara A. Myers

MEGAN GOESER (OU-4)
“Probing the Three Dimensional Structure of Coxsackievirus B3 Genomic RNA”
Major/minor: Biotechnology, Undergraduate
Faculty advisor: William Tapprich

ANN WOOLARD (OU-14)
“Discourse marker use by non-native speakers: An analysis of stylistic variation in conversation”
Major/minor: Spanish, Undergraduate
Faculty advisor: Frank Bramlett

MARIEL HOLE (OU-6)
“Problem Analysis”
Major/minor: Secondary Education/Mathematics, Undergraduate
Faculty advisor: Michael Matthews

NEIL BARRINGTON HUBEN (OU-7)
“The Ever Elusive Inanna/Ishtar”
Major/minor: Mathematics/Computer Engineering, Undergraduate
Faculty advisor: Griff Elder

ALEXANDER JAMES (OU-8)
“Origami and Conic Tetrahedra”
Major/minor: Mathematics/Computer Engineering, Undergraduate
Faculty advisor: Griff Elder

NICOLE ROBERTS (OU-9)
“The Ever Elusive Inanna/Ishtar”
Major/minor: Art History/Anthropology, Undergraduate
Faculty advisor: Joanne Sowell

BRITTANY ROBINETTE (OU-10)
“Mutagenesis of a Functionally Active Region of the Coxsackievirus B3 Genome”
Major/minor: Biology, Undergraduate
Faculty advisor: William Tapprich

*B Please note that you are welcome to enter and exit the oral presentation and performance sessions, but we request that you do so between presentations.
UNDERGRADUATE ORAL PRESENTATIONS AND PERFORMANCES (CONTINUED)

CALEB SCHMID (OU-11)
"A New Approach for Finding Protein Sorting Motifs"
Major/minor: Bioinformatics, Undergraduate
Faculty advisor: Hesham Ali

DAVID SWENSEN (OU-12)
"Law, Order, and Divine Female-Female SmM Role Play: A New Look at an Old Babylonian Tale"
Major/minor: Religion, Undergraduate
Faculty advisor: Rami Arav

JULIA WARNKE (OU-1)
"A New Graph Theoretic Model for the Assembly of Short Read Sequences"
Major/minor: Bioinformatics, Undergraduate
Faculty advisor: Hesham Ali

POSTER PRESENTATIONS AND EXHIBITS
7:35—9:15 p.m. - Nebraska Room - 2nd floor

AARON READ AND VICTORIA BADURA (PG-1)
"Exploring the Effects of Convergence Intervention on the Artifacts of an Ideation Activity Prior to Organization"
Major/minor: Information Technology, Graduate
Faculty advisors: GJ de Vreede and Robert Briggs

CARMEN BARNES (PG-4)
"Impact of Income and Attendance on an Omaha After-School Program"
Major/minor: Social Work, Graduate
Faculty advisor: Jeanette Harder

JESSICA BERNHARDT (PG-5)
"Through Thick and Thin: An Analysis of the Female Body Image and Attitude Change in Advertising"
Major/minor: Communication, Graduate
Faculty advisor: Chin Chung (Joy) Chao

ANDY CALLENS (PG-6)
"Effects of Mood and Availability of Criteria on Evaluations of Solution Quality"
Major/minor: Psychology, Graduate
Faculty advisors: Lisa Scherer and Roni Reiter-Palmon

MIDGE CHANDLER (PG-8)
"Walk - Roll - Win: A program for Omaha Metropolitan Schools to encourage students to become more physically active through walking and biking to school"
Major/minor: Community Health Education, Graduate
Faculty advisor: Jennifer Huberty

JUNG HUNG CHIEN (PG-9)
"Enhancing Robot-Assisted Fundamental Surgical Proficiency using Portable Virtual Simulator"
Major/minor: Public Health, Graduate
Faculty advisor: Nick Stergiou

KIMBERLY DE LA CRUZ (PG-10)
"Former Low-Track Student Reactions in Heterogeneous Junior English"
Major/minor: Reading, Graduate
Faculty advisor: Wilma Kuhlman

PALLAV K. DEKA (PG-11)
"Physiological Responses of Recreational Badminton Match Play"
Major/minor: Exercise Science, Graduate
Faculty advisor: Kris Berg

KATHRYN DYBDALL (PG-12)
"Measuring Stress and Attachment Behaviors of Shelter Cats"
Major/minor: Psychology (Behavioral Neuroscience), Graduate
Faculty advisor: Rosemary Strasser

PAUL FALKOWSKI (PG-13)
"Efficacy of Religious Rituals for Persons in Late Life Maintaining Spiritual Well-Being"
Major/minor: Gerontology, Graduate
Faculty advisor: James Thorson

AMANDA FLETCHER AND KELSEY BLUNCK (PG-14)
"Effects of resistance training with vascular occlusion on brachial artery flow mediated dilation"
Major/minor: Exercise Science, Graduate
Faculty advisor: Kris Berg

BARBARA KAY GRANT (PG-15)
"The Impact of an Online Intervention on Physical Activity and Self-Worth in Women"
Major/minor: Physical Activity in Health Promotion, Graduate
Faculty advisor: Jennifer Huberty

SARAH HANIFY (PG-16)
"Walk to School Day 2009 at Jackson Elementary School"
Major/minor: Social Work and Public Administration, Graduate
Faculty advisor: Erin Porterfield

JOSHUA HAWORTH (PG-17)
"Stochastic Vibration as a Therapeutic Modality to Improve the Development of Sitting Posture in Children with Cerebral Palsy"
Major/minor: Biomechanics, Graduate
Faculty advisor: Nick Stergiou

KRISTINA HAYNIE (PG-18)
"After School Program Attendance and Classroom Behavior: Findings from an Evaluation of an Out-of-School Time Program"
Major/minor: Social Work, Graduate
Faculty advisor: Jeannette Harder

JESSIE HUISINGA (PG-19)
"Linear and Nonlinear Assessment of Postural Control in Multiple Sclerosis Patients"
Major/minor: Biomechanics, Graduate
Faculty advisor: Nick Stergiou

ROBERT JACOBS (PG-20)
"Effects of Cadence on Cycling Efficiency and Performance"
Major/minor: Exercise Science, Graduate
Faculty advisor: Kris Berg

JEFFREY KAIPUST (PG-21)
"Gait Variability Measures Reveal Differences between Multiple Sclerosis Patients and Healthy Controls"
Major/minor: Exercise Science, Graduate
Faculty advisor: Nick Stergiou

DIMITRIOS KATSAVELIS (PG-22)
"Lower Extremity Joint Kinematic Variability as Produced by Virtual Reality During Backward Walking"
Major/minor: Biomedical Sciences, Graduate
Faculty advisor: Nick Stergiou

ELENA KOKKONI (PG-23)
"Correlation Dimension can Describe Infant Sitting Postural Development"
Major/minor: Exercise Science, Graduate
Faculty advisor: Nick Stergiou

ANASTASIA KYVELIDOU (PG-24)
"Infant sitting posture under distorted visual and proprioceptive information"
Major/minor: Medical Science Interdepartmental Area—Pediatrics, Graduate
Faculty advisor: Nick Stergiou

SARA A. MYERS (PG-28)
"Gait variability can predict cognitive performance on the semantic fluency test"
Major/minor: Biomechanics and Motor Control, Graduate
Faculty advisor: Nick Stergiou

CUONG NGUYEN, AARON READ, ERIN GALLAGHER, AND RUBA ALJAFARI (PG-30)
"Generating User Stories in Groups"
Major/minor: Information Technology, Graduate
Faculty advisor: GJ de Vreede

ZARA BLACK AND JESSICA CHRISTIAN (PU-2)
"Health Rocks! Program Evaluation"
Major/minor: Child, Youth, and Family Studies, Undergraduate
Faculty advisor: Ruth Xia

JEFFREY CARRITT (PU-3)
"Potential climate signals revealed by surficial geologic mapping of the Missouri River floodplain"
Major/minor: Geology, Undergraduate
Faculty advisor: Robert Shuster

BART CUBRICH (PU-4)
"Use of the multinomial function to map variations in the degree of organization in fracture systems"
Major/minor: Geology/English, Undergraduate
Faculty advisor: Harmon Maher

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GRADUATE ORAL PRESENTATIONS AND PERFORMANCES

5:30—9 p.m. - Chancellor’s Room - 2nd floor
Each presentation is 10 minutes in length.

Tuesday, April 6

5:30 p.m.

SATISH MAHADEVAN SRINIVASAN AND SACHIN PAWASKAR (OG-30)
"User Perceptions on Online-Banking Systems"
Major/minor: Information Technology, Graduate
Faculty advisor: Lutfullah Najjar

AARYN C. MUSTOE (OG-22)
"Variation in Gestational Cortisol Predicts Patterns of Growth and Maturation in Marmosets (Callithrix geoffroyi)"
Major/minor: Psychology, Graduate
Faculty advisor: Jeffrey French

JESSE OTTO (OG-23)
"Black Orchestras in Omaha before 1950"
Major/minor: History, Graduate
Faculty advisor: Bruce Garver

SACHIN PAWASKAR (OG-24)
"A Dynamic Energy-Aware Model for Scheduling Computationally Intensive Bioinformatics Applications"
Major/minor: Information Technology, Graduate
Faculty advisor: Hesham Ali

PRASHANT PAYMAL (OG-25)
"Analyzing the Evolution of Large Scale Dynamic Networks"
Major/minor: Computer Science, Graduate
Faculty advisor: Sanjukta Bhowmick

PRADHUMNA LAL SHRESTHA (OG-19)
"Simulation and Analysis of Electromagnetic Characteristics of Railroad Cars"
Major/minor: Telecommunications Engineering, Graduate
Faculty advisor: Hamid Sharif

SARA SCHUHARDT (OG-27)
"The Unaccompanied Flute Solo: A Discussion and Performance"
Major/minor: Music Performance, Graduate
Faculty advisor: Christine Reed

ANUP SHARMA (OG-28)
"Building SPEC Dimensional Threat Model—Research in Modeling and Comprehension of Cyber attacks in SPEC Dimensions"
Major/minor: Computer Science, Graduate
Faculty advisors: Robin Gandhi, William Mahoney, Qiuming Zhu

YAN WU (OG-38)
"Using Semantic Templates to Study Vulnerabilities Recorded in Large Software Repositories"
Major/minor: Computer Science, Graduate
Faculty advisors: Harvey Siy and Robin Gandhi

ROBERT STANTON (OG-31)
"Influence of food availability on immune function"
Major/minor: Biology, Graduate
Faculty advisor: Clauda Rauter

IRENE H. SUH (OG-32)
"The Effect of Distraction on Robot-Assisted Surgical Performance"
Major/minor: Occupational Health, Graduate
Faculty advisor: Ka-Chun Sui

TAO MA (OG-33)
"A Rate Unequal Protection for ECG Data Communication in Wireless Sensor Network"
Major/minor: Computer and Electronics Engineering, Graduate
Faculty advisor: Hamid Sharif

8:00 p.m.

SUNDAR M. VAIYDA, DIVYA SINGH, AND NAVISH BAHL (OG-34)
"Real-Time Fall Detection and Activity Recognition Using Wireless Sensors"
Major/minor: Computer Science, Graduate
Faculty advisor: Jong-Hoon Yoon

TIMOTHY VALLIER (OG-35)
"Mobile Phone Orchestra"
Major/minor: Music Composition, Graduate
Faculty advisor: Kenton Bales

STACY WAGONER (OG-36)
"Perceptions of Probationers and Their Motivation for Successful Completion of a Probation Term"
Major/minor: Criminology/Criminal Justice, Graduate
Faculty advisor: Lisa Sample

YI WANG (OG-37)
"Multi-robot area coverage with dynamic map compression"
Major/minor: Computer Science, Graduate
Faculty advisor: Prithviraj Dasgupta

RAMEZ MINA (OG-21)
"The development of accurate sequence comparison tools for incomplete genomes using alignment-free approaches"
Major/minor: Computer Science, Graduate
Faculty advisors: Hesham Ali and Kiran Bastola

Wednesday, April 7

5:30—9 p.m. - Chancellor’s Room - 2nd floor
Each presentation is 10 minutes in length.

5:30 p.m.

HOWARD DAVIS (PU-5)
"Non-Aeronautical Revenue Generated by Privatized Airports vs. Public Airports"
Major/minor: Air Transportation Administration, Undergraduate
Faculty advisor: Pat O'Neil

KYLE DUNOVAN (PU-6)
"The Influence of Brain Hemispheric Dominance on Mate Selection"
Major/minor: Psychology/Neuroscience, Undergraduate
Faculty advisor: Rosemary Strauser

TIMOTHY W. FREED, SR. (PU-7)
"Mapping Surficial Features in the Missouri River Valley"
Major/minor: Geology, Undergraduate
Faculty advisor: Robert Shuster

JOSEPH FRERICHES (PU-8)
"How have airline baggage fees impacted passenger complaints?"
Major/minor: Aviation, Undergraduate
Faculty advisor: Pat O'Neil

LISA GROBECK (PU-9)
"Fate of seeds after incomplete recovery of scatterhoards by a seed-eating rodent"
Major/minor: Environmental Studies—Life Sciences, Undergraduate
Faculty advisor: Jeremy White

NEIL BARRINGTON HUBEN (PU-11)
"Gait Impairment in PAD Patients Is Independent of Level of Disease"
Major/minor: Biotechnology, Undergraduate
Faculty advisor: Nick Stergiou

RJ REDDEN (PG-36)
"Collaboration Tools in Information Technology Education: Use of a Wiki in a Service Learning Course"
Major/minor: Public Administration and Management Information Systems, Graduate
Faculty advisor: Peter Wolcott

DAWN OWENS (Not judged)
"My Guild, My Team: Exploring the Use of Massively Multiplayer Online Games in Virtual Project Teams"
Major/minor: Information Technology, Graduate
Faculty advisor: Deepak Khazanchi

7:00 p.m.

CATHERINE HUMPHRIES BROWN (OG-5)
"The Feminine and the Military: Initial Work on Leadership in the Military"
Major/minor: Public Administration, Graduate
Faculty advisor: Christine Reed

* Please note that you are welcome to enter and exit the oral presentation and performance sessions, but we request that you do so between presentations.
POSTER PRESENTATIONS AND EXHIBITS
7:35—9:15 p.m. - Nebraskan Room - 2nd floor

ANDY CALLENS, BRAD HULLSIEK, AND STEPHANIE STEPHENS (PG-7)
"Selection and Evaluation of an Organizational Facilitator"
Major/minor: Psychology, Graduate
Faculty advisor: GJ de Vreede

KWANGYEOE LEE (PG-95)
"An intergenerational program for immigrant families using senior volunteers: A pilot program for Korean immigrants in Omaha"
Major/minor: Social Work, Graduate
Faculty advisor: Kristin Williams

WILLIAM LENAGH (PG-26)
"Levy Distributed Search Behaviors for Mobile Target Locating and Tracking"
Major/minor: Computer Science, Graduate
Faculty advisor: Prithviraj Diggopu

MIRA M. MOMICLOVIĆ AND SARA A. MYERS (PG-27)
"Performance of dichotic listening task under various attentional instructions have different effects on functional gait asymmetry in young adults"
Major/minor: Exercise Science, Graduate
Faculty advisor: Nick Stergiou

ANUP SHARMA, RANJANA, AND JINHUA ZHANG (PG-37)
"CyCast - Website for Intelligence Gathering, Monitoring and Forecasting Cyber-Attacks in SPEC Dimensions"
Major/minor: Computer Science, Graduate
Faculty advisors: Robin Gandhi, William Mahoney, and Qiuming Zhu

STEVEN SHERWOOD (PG-35)
"Location-Allocation of Girl Scout Service Centers, using GIS"
Major/minor: Geology, Undergraduate
Faculty advisor: Rex Cunick

SRITISH MAHDEVAN SRINIVASAN (PG-39)
"Data Aggregation in Synchronous Partially Connected Networks with Hybrid Fault Tolerance"
Major/minor: Information Technology, Graduate
Faculty advisor: Azad Aazadian

SRIRAM SURAPANENI (PG-40)
"An Improved Sequence Comparison method for High Performance Computing Environment"
Major/minor: Computer Science, Graduate
Faculty advisors: Hesham Ali, Kiran Bastola, and Sanjukta Bhownick

DIANNE WEBB (PG-41)
"Changes in rate of perceived exertion during isometric activity"
Major/minor: Exercise Science, Graduate
Faculty advisor: Kris Berg

DANAE WOLCOTT (PG-42)
"Changing Health Behaviors Together: A Glimpse Into Family-Centered Healthy Lifestyle Interventions for Overweight/Obese Children"
Major/minor: Physical Activity in Health Promotion, Graduate
Faculty advisor: Jennifer Huberty

SHANE WURDEMAN (PG-43)
"Frequency Analysis of Ground Reaction Forces Shows Differences in Gait in Multiple Sclerosis (MS) Patients"
Major/minor: Biomechanics, Graduate
Faculty advisor: Nick Stergiou

JENNIFER M. YENTES AND SARA A. MYERS (PG-44)
"Aging and dual task alter amount and structure of lower limb kinematic variability during gait"
Major/minor: Biomechanics, Graduate
Faculty advisor: Nick Stergiou

JEFF ZDAN (PG-45)
"Virtual World Opportunities and Challenges for Organizations: Results from a Delphi Study"
Major/minor: Information Technology, Graduate
Faculty advisor: GJ de Vreede

TING ZHOU (PG-46)
"A Cross-Layering Handover Approach for Real-Time Applications QOS Guarantees in IEEE 802.16e Network"
Major/minor: Computer Engineering, Graduate
Faculty advisor: Hamid Sharif

FABIEN CIGNETTI (Not Judged)
"Coordination and nonlinear dynamics in the development of infant sitting postural control"
Major/minor: Motor Control, Post-Doctoral
Faculty advisor: Nick Stergiou

LESLIE M. DECKER AND SARA A. MYERS (Not Judged)
"Performance of dual-tasks requiring language perception, attention, and executive control processes have differential effects on stride width in young adults"
Major/minor: Motor Control and Cognition, Post-Doctoral
Faculty advisor: Nick Stergiou

MUKUL MUKHERJEE (Not Judged)
"The Effect of Augmented Visual Feedback on Motor Learning of Reaching Movements in Novel Dynamic Environments in Chronic Stroke Survivors"
Major/minor: Biomechanics, Post-Doctoral
Faculty advisor: Deepak Khazanchi

RUBA ALJAFARI (PG-50)
"A Review of Anonymity in Collaborative Settings"
Major/minor: Information Technology/Collaboration Science, Graduate
Faculty advisor: GJ de Vreede

NICHOLAS JOHNSON, GRANT GARGETT, NICHOLAS SIEBKEN, AND AMBER KEYES (PU-12)
"Synthetic Air Traffic Management System for Non-Towered Airports"
Major/minor: Air Transportation, Undergraduate
Faculty advisor: David A. Byers

KRISTA NORDSIDEN AND KATIE SHARP (PU-14)
"Relationships Among Reported Stress, Salivary Cortisol Levels, and Illness Incidence and Severity in College Students"
Major/minor: Psychology, Undergraduate
Faculty advisor: Rosemary Strasser

RYAN PLACZEK (PU-15)
"Relationships Among Reported Stress, Salivary Cortisol Levels, and Illness Incidence and Severity in College Students"
Major/minor: Psychology, Undergraduate
Faculty advisor: Jeffrey French

MARIA T. REY-HUGHES (PU-16)
"Effect of Incentive Contrast on Instrumental Consummatory Behaviors in Shelter Dogs"
Major/minor: Psychology, Undergraduate
Faculty advisor: Rosemary Strasser

Wednesday, April 7
Wednesday, April 7

POSTER PRESENTATIONS AND EXHIBITS (CONTINUED)

WINDY ROTTENBUCHER (PU-17)
“Tranquility and Questions”
Major/minor: Social Work, Undergraduate
Faculty advisor: Peter Sito

LAURA SILVEY, CAITLIN ELLIS, AND SHELLY PETERS (PU-18)
“ABA Renewal in Shelter Dogs”
Major/minor: Psychology, Undergraduate
Faculty advisor: Rosemary Strasser

JENNA ALLISON (PU-1)
“Mannose 6 Phosphate/Insulin-like Growth Factor II Receptor Dimerization”
Major/minor: Chemistry/Biology, Undergraduate
Faculty advisor: Jodi Kreiling

JOSHUA GRAY AND JOSHUA BUDA (PU-19)
“Mav’N Around”
Major/minor: Broadcasting New Media, Undergraduate
Faculty advisors: Mark Dail and Gary Repair

Thursday, April 8

AWARDS PRESENTATION
4 p.m. - Strauss Performing Arts Center
Refreshments will be served

Awards will be given in six categories:

ORAL PRESENTATION—undergraduate
POSTER PRESENTATION—undergraduate
PERFORMANCE

ORAL PRESENTATION—graduate
POSTER PRESENTATION—graduate
HONORS PRESENTATION

The abstracts and winners will be posted following the research fair:

www.unomaha.edu/spr/research.php