

3rd annual Student Research and Creative Activity Fair

University of Nebraska at Omaha
Milo Bail Student Center

April 5, 2011

Oral presentations and performances | 5:30—8:00 PM | Chancellor's Room—2nd floor
Oral presentations and performances | 5:30—8:00 PM | U-Mo-Ho Room—3rd floor
Poster presentations and exhibits | 6:30—8:30 PM | Nebraska Room—2nd floor
Reception | 8:00—9:00 PM | Nebraska Room—2nd floor

April 6, 2011

Oral presentations and performances | 5:30—8:00 PM | Chancellor's Room—2nd floor
Oral presentations and performances | 5:30—8:00 PM | State Room—3rd floor
Poster presentations and exhibits | 6:30—8:30 PM | Nebraska Room—2nd floor
Reception | 8:00—9:00 PM | Nebraska Room—2nd floor

April 7, 2011

Awards program | 6:30 PM | Chancellor's room—2nd floor

As a student-focused university, the University of Nebraska at Omaha (UNO) provides a variety of quality research and creative activity opportunities for students. In conjunction with the annual UNO Honor's Program Symposium, undergraduate and graduate students will showcase their research and creative activity as oral presentations, performances, poster presentations, and exhibits.

Thank you to the faculty advisors for encouraging their students and sharing their time and expertise. Thanks, too, to the faculty session moderators: Lisa Scherer, Psychology; Jeffrey French, Psychology; Harmon Maher, Geology/Geography; Carol Ebdon, Public Administration; Ken Kriz, Public Administration; Sara Myers, Health, Physical Education and Recreation; and Angela Eikenberry, Public Administration.

We appreciate the willingness and time of those serving as judges for this event, our UNO friends: Adam Haeder, AIM Institute; Dr. Herb Hartman, retired from UNMC; Leslie Kuhnel, Alegent Health; Dr. Yuri Lyubchenko, UNMC; Linda Mannering, UNO, Institutional Research; Tim McIvor, Omaha Public Power District; Todd Morris, UNO alum; Amy Recker, Bio Nebraska Life Sciences Association; Robert Runyon, emeritus faculty, UNO; Marty Skomal, Nebraska Arts Council; Dr. Paula Turpen, UNMC; Mike Watkins, Buena Vista University; and Lyn Wallin Ziegenbein, Peter Kiewit Foundation.

The event was made possible with support from the Office of Sponsored Programs and Research, the Office of Research and Creative Activity, and the Office of Academic and Student Affairs.

ORAL PRESENTATIONS

AND PERFORMANCES (T1)

5:30—7:40 PM - Chancellor's Room - 2nd floor

Session moderator: Dr. Lisa Scherer, Psychology

Each presentation is 10 minutes in length.

5:30 PM

ANKIT AGRAWAL

"Late Failure of Hearing Preservation After Middle Fossa Approach for Resection of Vestibular Schwannoma "

Major/minor: Biotechnology, Undergraduate
Faculty advisor: Myrna C. Newland

ANDREW BIRNIE

A Novel Form of Oxytocin and Its Receptor in Marmoset Monkeys: A Proposal for Social Behavioral Testing Paradigms

Major/minor: Psychology, Graduate
Faculty advisor: Jeffrey French

ERIC BURR

Structural Dynamics of Coxsackievirus B3 Genomic RNA upon Binding of Host Poly (rC) Binding Protein 2

Major/minor: Biology, Graduate
Faculty advisor: William Tappich

LEANNA KEITH

Chinese to Western Music

Major/minor: Music Performance, Undergraduate
Faculty advisor: Christine Beard

BECKY DEITENBECK

Technology Infrastructures for Healthcare Access to Rural Residents

Major/minor: Management Information Systems, Graduate
Faculty advisor: Sajda Qureshi

KANIMATHI DURAISAMY

Sampling Techniques for Extracting Properties of Large Scale Systems

Major/minor: Computer Science, Graduate
Faculty advisor: Sanjukta Bhowmick

TRAVIS GOOD

Investigating Capabilities Associated with ICT Access and Use in Latino Micro-enterprises

Major/minor: Information Technology, Graduate
Faculty advisor: Sajda Qureshi

BREAK

6:50 PM

NEIL HUBEN

Validated robotic laparoscopic surgical training in a virtual-reality environment

Major/minor: Biotechnology, Undergraduate
Faculty advisor: Nick Stergiou

WYNDHAM JONES

Narcissism and how it can cause aggression

Major/minor: Psychology, Undergraduate
Faculty advisor: Lisa Scherer

AUSTIN KORGAN

Links Between Juvenile Play and Stress Reactivity in White-faced Marmosets (*Callithrix geoffroyi*)

Major/minor: Psychology, Undergraduate
Faculty advisor: Jeffrey French

RANJANA KUMAR

Semantic Relevance Analysis of Subject-Predicate-Object (SPO)

Triples Extracted from Articles Describing Cyberattacks
Major/minor: Computer Science, Graduate
Faculty advisor: Qiuming Zhu

EVERETT LEVISON

What Conversation Analysis Reveals About Turn Taking Organization and Its Role in African American English

Major/minor: English/Spanish, Undergraduate
Faculty advisor: Frank Bramlett

ORAL PRESENTATIONS

AND PERFORMANCES (T2)

5:30—7:40 PM - U-Mo-Ho Room - 3rd floor

Session moderator: Dr. Jeffrey French, Psychology

Each presentation is 10 minutes in length.

5:30 PM

AARYN MUSTOE

Excretion of Urinary Progesterone Metabolite across the Reproductive Cycle in Female Marmosets (*Callithrix geoffroyi*)

Major/minor: Psychology, Graduate
Faculty advisor: Jeffrey French

DHANANJAY NAWANDAR, ANDREW SEBERG

The CCR4-NOT co-activator functions in Gcn4 regulated gene expression after transcription

Major/minor: Biotechnology, Undergraduate
Faculty advisor: Mark Swanson

SACHIN PAWASKAR

Dynamic Energy Aware Task Scheduling using Run-Queue Peek

Major/minor: Information Technology, Graduate
Faculty advisor: Hesham Ali

CHRISTINE QUICK

Victims of Workplace Bullying: Understanding Effective Versus Destructive Victim Responses

Major/minor: Psychology, Undergraduate
Faculty advisor: Lisa Scherer

AMANDA RIESBERG

Influence of polymeric excipients on carbamazepine hydrate formation kinetics in aqueous slurries

Major/minor: Chemistry, Undergraduate
Faculty advisor: Alan Gift

CHERIL LEWIS

When Words are not Enough: How do Non-Profit Organizations Use Twitter to Effectively Influence their Followers

Major/minor: Communication, Graduate
Faculty advisor: David Ogden

BREAK

6:40 PM

STEVEN SHERWOOD

Location-Allocation and Population Forecasting Methods for Rural and Urban Areas: A Case Study of the Girl Scouts of Nebraska

Major/minor: Geography, Graduate
Faculty advisor: Rex Cammack

MICHELLE SORGENFREI

Parental Alienation Syndrome: The Case for Uniformed Judicial Treatment

Major/minor: Social Work, Graduate
Faculty advisor: Peter Szto

BROOKE SULLIVAN

Native Structure of the 5' Nontranslated Region of the Coxsackievirus B3 Genome As Determined By Chemical Probing

Major/minor: Biotechnology, Undergraduate
Faculty advisor: William Tappich

JULIA WARNKE

A Domain Specific Approach for Assembling Fragments from Next Generation Sequencing Data

Major/minor: Bioinformatics/Mathematics, Undergraduate
Faculty advisor: Hesham Ali

YAN WU

Empirical Results on the Study of Software Vulnerabilities

Major/minor: Information Technology, Graduate
Faculty advisor: Harvey Siy

BRITIANY DAUGHERTY

Rajput Women: Representations Comparable to Western Gender Constructions

Major/minor: Art History, Undergraduate
Faculty advisor: Dan Siedell

**POSTER PRESENTATIONS
AND EXHIBITS**

6:30—8:30 PM - Nebraska Room - 2nd floor

Session moderator: Dr. Harmon Maher, Geography/
Geology

ANKIT AGRAWAL

Orientation of First Year Anesthesia Residents:
Comparison of High-fidelity Simulation & Supervised
Clinical Instruction in the OR
Major/minor: Biotechnology, Undergraduate
Faculty advisor: Myrna C. Newland

JASJIT KAUR BANWAIT

Broodcomb- a computational tool to map microRNAs
to mRNA targets
Major/minor: Information Technology, Graduate
Faculty advisor: Dhundy Kiran Bastola

NOELLE BLOOD

Teens, Tobacco, Slavery and Sex: Analyzing the Persuasion
of France's Non-smokers Rights Association
Major/minor: Journalism/Speech Communications, Undergraduate
Faculty advisor: Lynnette Leonard

ANDY CALLENS, AARON READ

Don't blame the software: The importance of instructions
in user requirements generation
Major/minor: Psychology, Graduate
Faculty advisor: G.J. de Vreede

JEFFREY CARRITT, RYAN TEFFT

Significance of Layer-bound Vein Arrays in the Oligocene
Brule Formation, Scotts Bluff National Monument, Nebraska
Major/minor: Geology, Undergraduate
Faculty advisor: Harmon Maher

KE CHENG

Robust Multi-robot Team Formations using
Weighted Voting Games
Major/minor: Information Technology, Graduate
Faculty advisor: Prithviraj Dasgupta

KATHRYN DEMPSEY, KANIMATHI DURAISAMY

A Parallel Chordal Graph Algorithm for Analyzing
Biological Network Models
Major/minor: Bioinformatics, Graduate
Faculty advisor: Hesham Ali

NATASHA FIELDS, ALICIA PHILLIPS BUTTNER,

CHRISTINE MORRISON, ERICA PLATCHER
Social Attachment Variables in a Biting Dog Population
Major/minor: Neuroscience/Psychology, Undergraduate
Faculty advisor: Rosemary Strasser

RYAN HASENKAMP

Gait Impairment in PAD Patients Is Independent
of Level of Disease
Major/minor: Exercise Science, Undergraduate
Faculty advisor: Nick Stergiou

TODD HERPY, AMBREEN KEDWAI

Docking studies on drug resistance of H1N1 and
H3N2 neuraminidase inhibitors
Major/minor: Medicinal Chemistry, Undergraduate
Faculty advisor: Halzhen Zhong

ANDREA IACCHERI

The Perceptions of Teacher Self-Disclosure and
Its Impact On Communication Expectancies of Students:
A Pretest and Recommendations for Future
Major/minor: Communication, Graduate
Faculty advisor: Karen Dwyer

ALISON JERGENSON, SARA WOLFE

Ready for Recess: The association between total MVPA
achieved and the amount of time for recess
Major/minor: Physical Activity in Health Promotion, Graduate
Faculty advisor: Jennifer Huberty

ABHISHEK KARPATE

An Energy-Aware Genetic Algorithm for Managing
Wireless Sensor Networks
Major/minor: Computer Science, Graduate
Faculty advisor: Hesham Ali

HILLARY KLINZING

The Influence of Parental Feeling Validation on
Young Adolescents' Use of Relational Aggression and the
Moderating Role of Gender Over Time
Major/minor: Developmental Psychology, Graduate
Faculty advisor: Jonathan Santo

ELENA KOKKONI

Discriminant Function Analysis to Predict the Time
Course of Sitting Development in Infants
Major/minor: Exercise Science, Graduate
Faculty advisor: Nick Stergiou

AUSTIN KORGAN, NEIL HUBEN

Differences in Gait Improvements Following Surgery in
Slow and Fast PAD Patients
Major/minor: Psychology, Undergraduate
Faculty advisor: Nick Stergiou

TOM KOZIOL

The Effects of Age on Attraction On Late
Adolescents Aged 19-22 Years
Major/minor: Psychology, Undergraduate
Faculty advisor: Jonathan Santo

MUKUL MUKHERJEE, PANAGIOTIS KOUTAKIS

Stroke Survivors Employ Different Stiffness
Control Strategies during Learning of Reaching
Movements in a Dynamic Environment
Major/minor: Biomechanics, Post-doctoral Fellow
Faculty advisor: Nick Stergiou

QUYNH NGUYEN

What Factors Affect Children's Educational Performance?
Major/minor: Economics, Graduate
Faculty advisor: Jinlan Ni

MAGNUM PETERSON, ERICA KUBE

Predictors of Ear Clasp Behavior in Western Lowland Gorilla
Major/minor: Psychology, Undergraduate
Faculty advisor: Rosemary Strasser

RAESSA SINGH

Under the Platform
Major/minor: Social Work, Undergraduate
Faculty advisor: Theresa Barron-McKeagney

EVANS SORDIASHIE, HOSEN HASNA

Addressable Power Distribution and Energy
Management System for the Built Environment
Major/minor: Architectural Engineering, Graduate
Faculty advisor: Mahmoud Alahmad

DIANE SYLOFSKI

Women Bound to be Active: Effect of a
book club intervention on women's physical activity
and self-worth at one-year follow-up
Major/minor: Physical Activity in Health Promotion, Graduate
Faculty advisor: Jennifer Huberty

SRIKANT VALLABHAJOSULA

The effect of walking speed on gait variability
Major/minor: HPER, Post-doctoral Fellow
Faculty advisor: Nick Stergiou

DANAE WOLCOTT

Changing health behaviors: exploring families'
participation in a community-based family-centered
healthy lifestyle intervention for overweight/obese children
Major/minor: Disease Prevention and Health Promotion Research, Graduate
Faculty advisor: Jennifer Huberty

**~RECEPTION IN NEBRASKA ROOM
FROM 8:00-9:00 PM FOR ALL FAIR
PARTICIPANTS AND ATTENDEES~**

Wednesday, April 6, 2011

ORAL PRESENTATIONS AND PERFORMANCES

5:30—8:00 PM - Chancellor's Room - 2nd floor
Session moderator: Dr. Carol Ebdon, Public Administration
Each presentation is 10 minutes in length.

5:30 PM

VIPIN ARORA

Sense of Place: Critical Implications for the Design of Technologies
for Virtual Learning and Collaboration
Major/minor: Information Technology, Graduate
Faculty advisor: Deepak Khazanchi

GANG CHEN

Defined contribution pension plan management in local governments of Nebraska
Major/minor: Public Administration, Graduate
Faculty advisor: Carol Ebdon

YUEJIA ZHUO

Does domestic savings still drive economic growth?
Major/minor: Economics, Graduate
Faculty advisor: Jinlan Ni

KATHRYN DEMPSEY

Identification of Temporal Relationships in Aging-Related
Genetic Data using Correlation Networks
Major/minor: Bioinformatics, Graduate
Faculty advisor: Hesham Ali

KAITLYN FILIPPINI

Alloparental experience and Urocortin II Alter Care in the Mongolian Gerbil
Major/minor: Neuroscience, Undergraduate
Faculty advisor: Jeffrey French

JENNIFER GOODELL

Does Tuning In Make You A Better Citizen?
The Effects of Radio Localism & Civic Participation
Major/minor: Communication, Graduate
Faculty advisor: Chin-Chung Chao

SHELLI INNESS

I am Not Cuba: A Rhetorical Analysis of the Film Soy Cuba: I am Cuba
Major/minor: Political/Public Speech Communication, Graduate
Faculty advisor: Lynnette Leonard

BRITTNEY RYBA

Healthspeak: Concussion Awareness and the Role of
New Social Media versus Traditional Media
Major/minor: Communication, Graduate
Faculty advisor: Chin-Chung Chao

BREAK

7:00 PM

PRIYANWADA KULKARNI

Gene knockouts designed to disrupt the bradyzoite
stage formation in *Toxoplasma gondii*
Major/minor: Biology, Graduate
Faculty advisor: Paul Davis

MARIELLA MEDURA

Winter Count: Documenting the Fred LeRoy Collaborative Life History Project
Major/minor: Undeclared, Graduate
Faculty advisor: Beth Ritter

JOHN POWERS

Ponca Cryptozoology: From Bigfoot to Little People
Major/minor: Sociology, Graduate
Faculty advisor: Beth Ritter

BEN NAUSLER

Hear me grandfather, this I humbly ask of you:
Spirituality and the Life of Wambli Sapa
Major/minor: Sociology, Graduate
Faculty advisor: Beth Ritter

MICHELLE BURCHETT WILLIAMS

FLRCLHP: Will the "Real" Interim Tribal Council Please Stand Up?
Major/minor: Sociology/Anthropology, Graduate
Faculty advisor: Beth Ritter

KATHLEEN WILLIAMS

Fred Leroy's Vision: A Ponca Paradigm of Healing
Major/minor: Public Health, Graduate
Faculty advisor: Beth Ritter

ORAL PRESENTATIONS AND PERFORMANCES

5:30—7:40 PM - State Room - 3rd floor
Session moderators: Dr. Kenneth Kriz,
Public Administration

Sara Myers, Health, Physical Education and Recreation
Each presentation is 10 minutes in length.

5:30 PM

MICHAEL CAMPBELL II

City of the Mind: The cognitive topography of Omaha, Nebraska
Major/minor: Public Administration, Graduate
Faculty advisor: Richard Box

ANDREW NELSON

At Home Water Kit Testing
Major/minor: Civil Engineering, Undergraduate
Faculty advisor: Shannon Bartelt-Hunt

PRASHANT PAYMAL

A New Biclustering Algorithm for Analyzing Biological Data
Major/minor: Computer Science, Graduate
Faculty advisor: Hesham Ali

ZACH RAMAEKERS

A Coalition Game-Based Algorithm for Autonomous
Self-Reconfigurations in Modular Self-Reconfigurable Robots
Major/minor: Computer Science, Graduate
Faculty advisor: Prithviraj Dasgupta

BRITTANY ROBINETTE

Mutagenesis of a Functionally Active Region of the
Coxsackievirus B3 Genome
Major/minor: Biotechnology, Undergraduate
Faculty advisor: William Tappich

CHANGSOO SONG

A Comparative Study on the Current Practices of State IT
Public Policy in the United States
Major/minor: Managing Information in the Public Sector, Graduate
Faculty advisor: Kenneth Kriz

BREAK

6:40 PM

SATISH MAHEDEVAN SRINIVASAN,
SRIRAM SRINIVASAN, ABHISHEK TRIPARTHI
Sustainability of Technology Usage in Education Sector:
A Study among College Students
Major/minor: Information Technology, Post-doctoral Fellow
Faculty advisor: Lotfollah Najjar

MICHAEL SUSTAITA

Incidence and Correlates of Sexting Behaviors among College Students
Major/minor: Psychology, Undergraduate
Faculty advisor: Juan Casas

BENJAMIN WIGERT

Facilitation in Virtual Worlds: The Role of the Facilitator
Major/minor: Industrial/Organization Psychology, Graduate
Faculty advisor: G.J. de Vreede

ZACHARY WILSON

Distributed Multi-robot Terrain Coverage with
Dynamic Information Compression
Major/minor: Computer Science, Graduate
Faculty advisor: Prithviraj Dasgupta

JENNIFER YENTES

CPD and gait: the hip joint is affected
Major/minor: Biomechanics, Graduate
Faculty advisor: Nick Stergiou

SARA SCHUHARDT

The Other Side of the World: Of Flute Music and Salmon
Major/minor: Music Performance and Music Education, Graduate
Faculty advisor: Christine Beard

* 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.

Wednesday, April 6, 2011

**POSTER PRESENTATIONS
AND EXHIBITS**

6:30—8:30 PM - Nebraska Room - 2nd floor
Session moderator: Dr. Angela Eikenberry,
Public Administration

ALYCIA AHRENS

The Effects of Peer Acceptance and Gender on Social Withdrawal Over Time
Major/minor: Developmental Psychology, Graduate
Faculty advisor: Jonathan Santo

BRYAN ARNOLD

Gait affects clustering and switching on semantic fluency
Major/minor: Neuroscience, Undergraduate
Faculty advisor: Nick Stergiou

NICHOLAS ARREOLA, DANIELLE CROUGH
Creativity in Teams: The Role of Shared Mental Models

Major/minor: Psychology, Graduate
Faculty advisor: Roni Reiter-Palmon

BRYAN BIALAS

Analysis of Methanol in Biodiesel by Near Infrared Spectroscopy
Major/minor: Chemistry, Undergraduate
Faculty advisor: Alan Gift

BENJAMIN BOWDER

Gait Affects Clustering During Phonemic Fluency
Major/minor: Bioinformatics, Undergraduate
Faculty advisor: Nick Stergiou

JON CAREY, JESSIE HUISINGA

Resistance Training Alters Joint Powers In Multiple Sclerosis Patients
Major/minor: Exercise Science, Graduate
Faculty advisor: Sara Myers

MOHAMED AMER CHAABAN

Elastic Photovoltaic Structure
Major/minor: Architectural Engineering, Graduate
Faculty advisor: Mahmoud Alahmad

JUNG CHIEN, LESLIE DECKER

Variability in daily ambulatory activity patterns in aged mice
Major/minor: Biomechanics, Graduate
Faculty advisor: Nick Stergiou

JULIE CONNER

A Third Grade Reading Comprehension Intervention
Major/minor: School Psychology, Graduate
Faculty advisor: Lisa Kelly-Vance

BART CUBRICH

Clastic dikes in the cedar pass area, badlands national park, SD
Major/minor: Geology, Undergraduate
Faculty advisor: Robert Shuster

PAUL FALKOWSKI

Investigating the Efficacy of Adobe Connect to Enhance Online
Immediacy: A Pretest and Recommendations for Future Research
Major/minor: Gerontology, Graduate
Faculty advisor: Karen Dwyer

ABBY FREEMAN

The Influence of Teacher Self-Efficacy on Student Perception of Teacher Credibility:
A Pretest and Recommendations for Future Research
Major/minor: Communication, Graduate
Faculty advisor: Karen Dwyer

NATHAN HAMILTON, JENNIFER YENTES

Pharmacological treatment for intermittent claudication does not
significantly affect gait impairments during claudication pain
Major/minor: Exercise Science, Graduate
Faculty advisor: Sara Myers

SARAH HANIFY

Posttraumatic Stress Disorder and Post-Combat Therapy
Utilization Among Military Veterans and Civilians
Major/minor: Social Work/Public Administration, Graduate
Faculty advisor: Karen Rolf

ANN HAVERKOST

An Examination of Hand-held Computer-Assisted Instruction on Subtraction
Skills for Second Grade Students with Learning and Behavioral Disabilities
Major/minor: Special Education, Graduate
Faculty advisor: Philip Nordness

JOSHUA HAWORTH

Patterns of object attention throughout the time course
of sitting development: A case study
Major/minor: Biomechanics, Graduate
Faculty advisor: Nick Stergiou

HEATHER HENNING

Gait affects clustering and switching on semantic fluency
Major/minor: General Science, Undergraduate
Faculty advisor: Nick Stergiou

CHUN-KAI HUANG

Walking in a Moving Virtual Corridor with Variable Width affects
Step Width Variability
Major/minor: Biomechanics, Graduate
Faculty advisor: Nick Stergiou

NATE HUNT

Phonological dual-task interference affects walking regularity
Major/minor: Exercise Science, Graduate
Faculty advisor: Nick Stergiou

JANYL JUMADINOVA

FORETELL: A Multi-agent Prediction Market for Forecasting Event Outcomes
Major/minor: Information Technology, Graduate
Faculty advisor: Prithviraj Dasgupta

MYUNG KIM

Socio-Economic Status and Spatial Patterns of Homicide in New York City
Major/minor: Criminology and Criminal Justice, Graduate
Faculty advisor: Marc Swatt

NICHOLAS KLOTZ

Effects of Social Media Sites on Civic Engagement
Major/minor: Communication, Graduate
Faculty advisor: Chin-Chung Chao

WHITNEY KORGAN

Linear and Non-linear Analysis of Ambulatory Activity Patterns
in Alzheimer's Disease: Preliminary Results
Major/minor: Neuroscience, Undergraduate
Faculty advisor: Nick Stergiou

BETTINA LECHNER

Using Technology to Enable Foster Youth to a Successful
Launch into Independent Living
Major/minor: Management Information Systems, Graduate
Faculty advisor: Ann Fruhling

SCOTT MCGRATH, ISHWOR THAPA

Algorithm based collection of molecular sequence targets for
rapid identification of medically important Nocardia species
Major/minor: General Studies, Undergraduate
Faculty advisor: Dhundy Kiran Bastola

ASHLEY MOELLER

Effective First Grade Reading Interventions
Major/minor: School Psychology, Graduate
Faculty advisor: Lisa Kelly-Vance

**CHRISTINE MORRISON, ERICA PLATCHER,
NATASHA FIELDS, ALICIA PHILLIPS BUTTNER**

Assessment of Training Factors on Dog Bites
Major/minor: Psychology/Neuroscience, Undergraduate
Faculty advisor: Rosemary Strasser

WISAM NADER

I-SAVE: An Interactive Real-time Monitor and Controller to
Influence Energy Conservation Behavior by Impulse Saving
Major/minor: Architectural Engineering, Graduate
Faculty advisor: Mahmoud Alahmad

CUONG NGUYEN

Communication media for distributed software design
Major/minor: Information Technology, Graduate
Faculty advisor: Ann Fruhling

HENRY NIXON

Does this disaster look good: A quantitative approach on media
framing and crisis management
Major/minor: Communication, Graduate
Faculty advisor: Chin-Chung Chao

HENRY NIXON

Student Perceptions of Appropriate and Inappropriate Humor
in the Classroom: A Pretest and Recommendations for Future
Major/minor: Communication, Graduate
Faculty advisor: Karen Dwyer

Wednesday, April 6, 2011

**POSTER PRESENTATIONS AND EXHIBITS
(CONTINUED)**

SHARMILA RAMAN

Mobile e-Health Emergency Response Consultation System
Major/minor: Management Information Systems, Graduate
Faculty advisor: Ann Fruhling

KAMINI SABIR

Success factor of a juvenile Diversion Case Management System
Major/minor: Management Information Systems, Graduate
Faculty advisor: Ann Fruhling

THANE SEELEY, COLE HARTFIEL

Counting Aircraft: Applying marine X-Band radar as an alternative
to current aircraft counting techniques
Major/minor: Air Transportation Administration, Undergraduate
Faculty advisor: David Byers

COLLEEN SNOZA

Comparison of Peak VO₂ and Achievement of Peak VO₂ Criteria
in Three Modes of Exercise
Major/minor: Exercise Science, Undergraduate
Faculty advisor: Kris Berg

RAHMAN STRUM

Strategic Directions in the Access and Use of Public Health Data Sets
Major/minor: Public Health Informatics, Graduate
Faculty advisor: Ann Fruhling

CHI WEI TAN

Do lower-extremity joint dynamics change when stair negotiation
is initiated with a self-selected gait speed?
Major/minor: Biomechanics, Graduate
Faculty advisor: Nick Stergiou

JULIA WARNKE, SACHIN PAWASKAR

An Energy-Aware Bioinformatics Application for Assembling
Short Reads in High Performance Computing Systems
Major/minor: Bioinformatics/Mathematics, Undergraduate
Faculty advisor: Hesham Ali

AMY WEST

Nebraska Foster Youth Council
Major/minor: Social Work/Public Administration, Graduate
Faculty advisor: Jeanette Harder

TAYLOR WHIPPLE

Automated Landmine Detection in COMRADES using Explorer robots
Major/minor: Computer Science, Undergraduate
Faculty advisor: Prithviraj Dasgupta

TEDDY WOOLMAN

Design, Synthesis and Biological Evaluation of Epidermal
Growth Factor Receptor Inhibitors
Major/minor: Chemistry, Undergraduate
Faculty advisor: Haizhen Zhong

SHANE WURDEMAN, JESSIE HUISINGA

Variability of step width is associated with improvement in cognitive
function following resistance training in Multiple Sclerosis patients
Major/minor: HPER, Graduate
Faculty advisor: Nick Stergiou

XIAO-DAN YU

Adaptive Use of IT Capabilities for the Development of
Shared Mental Models in Virtual Teams
Major/minor: Information Technology, Graduate
Faculty advisor: Deepak Khazanchi

Thursday, April 7, 2011

AWARDS CEREMONY
6:30 PM—Chancellor's Room, MBSC
Refreshments will be served

Awards will be presented in these categories:

POSTER—undergraduate

POSTER—graduate

ORAL PRESENTATION/PERFORMANCE—undergraduate

ORAL/PERFORMANCE—graduate

**The Fund for Undergraduate Scholarly Experience (FUSE)
awards will also be presented.**

The abstracts and winners will be posted following the Fair:

www.unomaha.edu/spr/research.php