Travel Grants Recognition

This regular feature highlights the graduate and professional students who have presented their research at state, regional, national and international disciplinary and professional society meetings. The list includes only those students who received funds from the Graduate School.* There are certainly many other students who have traveled the globe to present their research.

Attending and presenting at disciplinary and professional conferences is an important part of professional development for graduate students. It is a key component in the development of a professional network that can provide contacts for collaborative research, future jobs and internships, and funding. And of course, it is a rigorous venue to try out ideas, present data and analysis, and gather helpful input for continuing research.

The Graduate School is proud to highlight the achievements of these students. As they gain professionally and personally from these experiences, they also represent MSU to the wider community of scholars in the state, region, nation, and world. We congratulate these students on their accomplishments!

* Limited funding is available from The Graduate School for travel to present research. Departments and colleges are expected to cost-share. Find out more on our website: http://grad.msu.edu/funding.htm or call 517.355.0301, or visit 118 Linton Hall.

**Ag & Nat Resources**

**Agricultural Economics**
Zhang, Wei
Chongqing, China and Yinchuan, China
The Impact of the Environmental Policy on Household Income and Activity Choice: Evidence from Sandstorm Source Control Program in North China

**Animal Science**
de Almeida, Patricia
Vienna, Austria
Early Detection of Cattle Lameness Using a Pressure Plate

**CARRS**
Kim, Kakyom
Seattle, WA
1) Market Segmentation Based on Push and Pull Motivations of University Student Travelers: A Web-survey

2) Modification of Push Motivation Model for the University Student Travel Market

Wu, Heng-Chieh
San Antonio, TX
All in A Day's Work: A Reexamination of Taiwanese Adolescents' Leisure Literature

**Crop & Soil Sciences**
Baributsa, Dieudonne
Entebbe, Uganda
Corn Yield and Cover Crop Response to Corn Density in an Interseeding System with AC Greenfix or Red Clover
**Fisheries & Wildlife**

**Bott, Kristin**  
Anchorage, AK  
*Genetic Methods for the Estimation of Effective Number of Reproducing Adults: Examples from Lake Sturgeon in the Laurentian Great Lakes*

**Rubeck-Schurtz, Corinna**  
Leipzig, Germany  
*The Reconciliation of the Endangered Species Act and Michigan Agriculture Interest*

**Treble, Andrew**  
Calgary, Alberta  
*A New Approach to Predicting Metamorphosis in Larval Sea Lamprey*

**Horticulture**

**Sun, Lingxia**  
San Diego, CA  
*Molecular Analysis of Abscission Zone Activation in Apple Fruit Pedicels*

**Packaging**

**Kale, Gaurav**  
Cincinnati, OH  
*Evaluation of Compostability of Commercially Available Biodegradable Packages in Real Composting Conditions*
American Studies
Sakashita, Fumiko
Buffalo, NY
Lynching, Sexuality, and the Political Space of Billie Holiday's Strange Fruit

Arts & Letters - Dean
Phillips, Mary
Buffalo, NY
Resisting Racial Terror: the Space of Death in African American Culture

English
Astle, Kirk
Milwaukee, WI
Giving the Gift of the Child in Du Bois's The Souls of Black Folk

Bowman, Matthew
Chicago, IL and Milwaukee, WI
Never-forgotten, Always Forgetting Place in Tennessee Williams' The Glass Menagerie and Jorge Ibaruengoitia's Llego Margo: An Examination of Rural Time via Performance

Holcomb, Brian
Chicago, IL
Cultivate a Few Inhibitions and Get Some Sleep: Anita Loos and the Problem of Modernist Satire

Quynn, Kristina
Chicago, IL
Gardenscape and Aesthetics: Kate O'Brien's Modernism

French, Classics and Italian
Brunetaux, Audrey
Nashville, TN
The Poetic of Silence in Charlotte Delbo's Works
Linguistics & Germanic, Slavic, Asian & African Languages

Flynn, Danny
New York, NY
It's Good Things and Bad Things to Both Systems': AAE Morphosyntactic Features and Educational Evaluation

Foldenauer, Megan
Baltimore, MD
AATG Alle lernen Deutsch Website

Karemer, Angelika
Baltimore, MD
Benefits of Implementing Non-Traditional Assessments

Kraemer, Angelika
Milwaukee, WI
History in Drama/Historical Drama in Germany

Lewis, Kim
Dubrovnik, Croatia
Perceptions of Interactional Feedback: Differences between Heritage and Non-Heritage Language Learners

Mutsukawa, Masahiko
Albuquerque, NM
Phonology and Semantics of Japanese Given Names

Mutsukawa, Masahiko
San Francisco, CA
Phonological Characteristics of Japanese Motherese

Roeder, Rebecca
Madison, WI
Chicano English in Michigan

Roeder, Rebecca
New York, NY
Mexican American English in Michigan

Stanford, James
New York, NY
When Your Mother Tongue is not Your Mother's Tongue: Linguistic Reflexes of Sui Exogamy
Music
Buettner, Jeff
Quebec, Canada
Cultural Preservation in Music: Songs of Ukrainian Roma

Cespedes, Mauricio
Bolivia
To participate as a soloist with the El Alto Symphony Orchestra.

Gross, Murray
Quebec City, Canada
Performing their composition "Flow"

Howarth, Gifford
The Netherlands and Sweden
Performing solo recitals and presenting percussion education workshops.

Ni, Haicong
Alexandria, LA
Performing the piano at a piano competition.

Philosophy
Meghani, Zahra
Clearwater Beach, FL
Developing a Cosmopolitan Dependency Critique of Rawlsian Liberalism

Rhetoric & Writing
Lackey, Dundee
Chicago, IL
Inventing Communities

McKay, Jill
Chicago, IL
Who Gave Y'all a Ghetto Pass?: Upper Middle Class White Male Appropriation of Black Language and Hip Hop Culture

Rife, Martine
Toronto, Canada
Writing in the Knowledge Society: Perspectives, Practices, and Policies

Romance & Classical Languages
Alvarez, Raul
Coral Gables, FL
La Espistola Horaciana Literature en el Siglo de Oro Espanol: Para una Reivindicacion de esa Gran Desconocida

Orr, Brianne
San Juan, Puerto Rico

Ruiz-Rubio, Natalia
San Juan, Puerto Rico
Erotismo en un Cadaver: Nostalgia y Supervivencia en Te Di La Vida Entera de Zoe Valdes
**Communication**

**Klein, Katherine**
Boston, MA
*The Effects of Music and Visual Complexity in Advertising on Message Retention and Attention: An Application of the Limited Capacity Model of Mediated Message Processing*

**Rosaen, Sarah**
Boston, MA
1) Maltreatment, Attachment, and Parasocial Interactions

1) Children's Television, Job Portrayals and Parasocial Interaction

**Strom, Renee**
Boston, MA
*Can You Think Of All The Resons Why I Am Right?: Rhetorical Questions As A Means to Elicit Commitment and Consistency.*

**Westerman, David**
Boston, MA
*I Don't Have to Ask, I Can Tell You're a Dog: The Effect of Avatars on Initial Interactional Judgments*

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**Business**

**Marketing & Supply Chain Management**

**Seggie, Steven**
Fremantle, Australia
1) Towards the Concept of Global Network Equity

2) The Use of Latent Variable Growth Curve Modeling in Conducting Longitudinal Marketing Studies: the Example of the Bass Curve

**Wu, Jinhui**
San Francisco, CA
*Alignment, Marketing Orientation and Core Rigidity: Exploring the Role of Time in Operations Strategy*
Civil and Environmental Engineering
Ni, Chuen-Fa
San Francisco, CA
Quantifying Uncertainties in Complex Groundwater Flow Models

Educational Administration
Kang, Young Taek
Honolulu, HI
Rethinking School as Community: Case Study of Two Schools in Korea

Kinesiology
Lee, Jeong-Dae
Winston-Salem, NC
Socio-cultural Constructions of Masculinity and Sport/PA Values

Paule, Amanda
Winston-Salem, NC
Has Title IX Increased Opportunities for African American Women?

Teacher Education
Abdelkareem, Hasan
San Francisco, CA
Freshmen Students’ Skills in Graphs Interpretation and Construction

Brender, John
Springfield, IL
Japanese Undergraduates at an American University: Acculturation Identity, Cultural Identity, and Values

Fan, Yanan
Philadelphia, PA
Negotiating Researcher-participant Relationships in a Case Study of ESL Learning
Chemical Engineering
Li, Zheng
Baltimore, MD and Cincinnati, OH
1) A Systems Approach to Reconstructing Pathways by Integrating Gene Expression and Metabolic Profiles
2) Inferring Transcription Factor Activities with a Probabilistic Framework of Hidden Markov Model

Civil and Environmental Engineering
Afshari, Soheil
San Francisco, CA
Real-time Modeling and Evaluation of a Bioremediation System at the Plume G Site, Schoolcraft Michigan

Liu, Yu
Washington, DC
Safety Assessment of Information Delay on Intelligent Vehicle Control System Performance

Pepprah, Emmanuel
San Antonio, TX
Void Evolution in Soluble Rocks Beneath Dams Under Limited Flow Condition

Computer Science
Bonakdarpour, Borzoo
Pisa, Italy
Rivising UNITY Programs: Possibilities and Limitations

Kim, Woongsup
New York City, NY
A Web Service Support to Collaborative Process with Semantic Information
Electrical and Computer Engineering

Ahrens, Jeffrey
Sevilla, Spain
Asymptotic Properties of Extended Kalman Filters for a Class of Nonlinear Systems

Joshi, Ameet
Kolkata, Indai
Non-Destructive Evaluation of Gas Carrying Pipelines Using Magnetic Flux Leakage Technique

Ling, Qi
St. Louis, MO
1) Blind Channel Estimation for MIMO Systems with Structured Transmit Delay Diversity

Quan, Shaolei
Monterey, CA
Design of a CMOS Operational Amplifier Amenable to Extreme Voltage Stress

Thompson, April
Atlanta, GA
Serving as a panalist for the graduate student panel

Wang, Huahui
Pacific Groves, CA
A New Multicarrier CDMA System Exploiting Frequency-time Diversities

Human Ecology

Epidemiology

Brooks, Kevin
Kingston, Jamaica
Pregnancy Order and Mother-To-Child Transmission of HTLV-I

Family & Child Ecology

Cordova, David
Kansas City, MO
Engaging Ethnic Minorities after Hearing Their Stories

Human Environment & Design

Hurst, Jessica
Washington, DC
Understanding Retail Service Dynamics in Tourism Markets: Identifying Success Strategies for Rural Retailers

Human Medicine

Epidemiology

Artaman, Ali
Paris, France
A Comparison of Cancer Epidemiologic Data from Central Asia and the Caspian Region
Temporal and Dose-dependent Hepatic Gene Expression Patterns in Mice Provide New Insights into TCDD-mediated Hepatotoxicity
Chemistry

Bao, Zhiyi
Washington, DC
1) Control of the Density of Polymer Brushes Grown from Au Surface-initiated ATRP
2) Synthesis of Polymer Brushes with Various Densities from Silicon Substrate in Surface-initiated ATRP

Cen, Yana
Washington, DC
Photocyclization of 2-Alkoxy-3-alkyl Phenyl Ketones

Davies, Deborah
Banff, Canada
A High-power Laser Ablation Ion Source for Penning Trap Studies of Nuclear Reaction Products

Dela Cruz, Johanna
Honolulu, HI
1) Molecular Recognition through Scattering Biological Tissue Using sub-10 fs Shaped Pulses
2) Isomer Identification with Shaped Laser Pulses

Jiang, Xuwei
Washington, DC
Synthesis and Polymerization of a Novel Amphiphilic Lactide Monomer

Jing, Feng
Washington, DC
Substituted Polylactides with Increased Glass Transition Temperature

Kallepalli, Venkata
Washington, DC
Regioselective Borylation of Pyrroles and Azaindoles

Kangas, Michael
Honolulu, HI
Binary Phase Shaping for Reproducible and Efficient Control of Chemical Reactions

Meaney, Melissa
Orlando, FL
Fluorescence Quenching of Fluorescein for the Detection of Carboxylic Acids

Passeno, Leslie
Washington, DC
The Effects of Solvent Quality on the Size of PAMAM Dendrons

Paul, Sulagna
Washington, DC
Regioselective C-H Activation of Indoles

Wu, Xiuni
Washington, DC
Co5Al14Si2: A Structurally Complex Phase Showing Remarkable Resistance to Thermal Oxidative Attack
Zheng, Ying  
Washington, DC  
*Synthesis and Characterization of Crystalline Polymer Brushes*

**Geological Sciences**

**Benedict, Meredith**  
San Francisco, CA  
*Lead Isotopic Chronologies from Inland Lakes: Evidence for Watershed Scale Sources of Lead in the Great Lakes Region*

**Humpula, James**  
Mesa, AZ  
*Extinct Moose-Elk Phylogenetic Information Revealed Through Mass Spectrometry*

**Linkimer, Lepolt**  
San Francisco, CA  
1) *Explosion Discrimination in Eastern Russia on Amplitude Ratios Obtained From Analog Records*  
2) *The Central Costa Rica Deformed Belt: Neotectonics of the Eastern Segment*  
3) *The Costa Rican Central Valley Lavina Formation: Lahar or Debris Avalanche?*

**Neuroscience**

**Shin, Andrew**  
Vancouver, BC  
*Possible Role for the Neuroendocrine System in the Development of Obesity in Diet-Induced Obesity Rat Model*

**Physics & Astronomy**

**Davies, Andrew**  
Maui, HI  
*Short-lived Excited-State g Factors of fast $^{38,40}$S Fragments*

**Frank, Nathan**  
Maui, HI  
*Search for the First Excited State of $^{240}$*

**Moraru, Ion**  
Baltimore, MD  
*Magnetization-dependent Tc Shift in F/S/F Trilayers with a Strong Ferromagnet*

**Peters, William**  
Maui, HI  
*Ground State Wave Function of $^{12}$Be*

**Nursing**

**Hoffman, Amy**  
Amelia Island, FL  
*Predictors of Pain, Fatigue, and Nasuea in Newly Diagnosed Persons with Lung Cancer Prior to Chemotherapy*
Anthropology
Carr, Dillon
San Juan, Puerto Rico
The Organization of Paleoindian Lithic Procurement Strategies in the Western Great Lakes

Hefferan, Tara
Washington, DC
In an Era of Good Governance, 'Their Leadership is Lousy:' Mobilizing Catholic Parishes for Haitian Development

Quates, E.W. Duane
San Juan, Puerto Rico
Understanding the Saints’ Res Fire Through Fire Investigation and Archaeology

Surface-Evans, Sarah
San Juan, Puerto Rico
Visualizing Social Complexity: The Role of Landscape on Shell Mound Archaic Settlement Patterns in the Central Ohio River Valley

Criminal Justice
Jackson, Carrie
Seattle, WA
A More Sensitive Sex Determination Assay

Soltsyak, Shannon
Seattle, WA
Alkaline Digestion of Head and Pubic Hairs for Nuclear and Mitochondrial DNA Analysis

Economics
Cook, Nathaniel
Boston, MA
Explain North-South Trade with HOV Model

Murtazashvili, Irian
Washington, DC
Fixed Effects Instrumental Variables Estimation in Correlated Random Coefficients Panel Data Models

Murtazashvili, Irina
Carbondale, IL
Fixed Effects Instrumental Variables Estimation in Correlated Random Coefficients Panel Data Models

Semykina, Anastasia
Boston, MA
Public Policy and Gender Discrimination in the Russian Labor Market

Family & Child Ecology
Cox, Ronald
Kansas City, MS and Phoenix, AZ
1) From Fragile to Formidable: A Pilot Study Intervention for Low-income Families

2) Strategies for Empowering Low-income Couples to Strengthen their Relationships

3) Implications for MFTs Working with Low-income Couples with a Child in Common
History
Friedman, Jason
Philadelphia, PA
The Retreat from A Professional Military: The Legacy of World War II Draft Act

Grant, John Wess
Buffalo, NY
No Power, No Conquest: The Settlement of Monrovia and the Problem of Liberian Nationalism 1820-1870

Political Science
Lewis, Daniel
Atlanta, GA
Varying Influence: The Effects of Public Opinion and Organized Interests in Public Policy in the American States

Social Work
Edmonds-Cady, Cynthia
San Antonio, TX

Veterinary Medicine

Large Animal Clinical Sciences
Arshad, Mohd Mokhtar
Miami, FL
Infant Salmonellosis in Michigan, 1995-2001
Research Enhancement Award

This feature of the Graduate Post highlights the graduate and professional students who received Research Enhancement Awards. The funds for these awards are provided by the Office of the Vice President for Research and Graduate Studies and are administered by the Graduate School. This funding mechanism is competitive and serves to enrich the research and scholarly activities of excellent graduate and professional students. Often the awards are used to attend extramural workshops and short courses to complement the strengths of the students’ programs.

The Graduate School is proud to recognize the achievements of these Research Enhancement Award winners!

### Ag & Nat Resources

**Agricultural Economics**
- Gao, Li Li
  China: High Stakes for the U.S. Horticultural Industry

- Ragasa, Catherine
  The Economic Implications of the Hazard Analysis Critical Control Point (HACCP) Regulation on the Performance and Viability of the Philippine Seafood Export Sector

**Fisheries & Wildlife**
- Hiller, Timothy
  Movements and Space Use of White-Tailed Deer in an Agroforest Ecosystem in South Central Michigan

**Food Science & Human Nutrition**
- Miles, Richard
  Community Nutrition

- Mosack, Jennifer
  Expansion and Evaluation of Michigan's Active Communities Assessment Tool

### Arts & Letters

**Music**
- Huch, Ryan
  Independent Research in Clarinet Reed Making

### Arts & Sciences

**Advertising**
- Hwang, Jiyoun
  The Role of Consumer Characteristics and Information in Risk Perception and Store Patronage with RFID

**CEPSE**
- Wilkinson, Anna
  The Development of Students' Social Competence in an Inclusive Preschool
Education

CEPSE
Crowl, Alicia
Enhancing Positive School Outcomes for at-risk Hispanic Youth

Perry, Kristen
From Storytelling to Writing: Transforming Literacy Practices Among Sudanese Refugees

Educational Administration
Dokter, Christina
Faculty Responses to Technology Integration for Student-Centered Learning: A Case Study of a Systems Approach to Organizational Change

Ongaga, Kennedy
Implementation of HIV/AIDS Education Programs in High Schools in Rural Kisii District, Kenya: An Understanding of its Influence through the Lens of Head Teachers and Students

Natural Science

Chemistry
Dalavoy, Tulika
Electrocatalytic Hydrogenation of α-functionalized Carboxylic Acids

Neuroscience
Salas-Ramirez, Kaliris
Anabolic Androgenic Steroids Increase Aggression in Adolescent Male Syrian Hamsters

Physics & Astronomy
Delee, Nathan
Analysis of Galactic and Local Group Structure through Johnson Photometry and Spectroscopy

Quinteiro, Guillermo
Interactions of Impurities in Planar Microcavities Mediated by Polariton Excitations

Social Science

Psychology
Castillo-Ruiz, Alexandra
Cholinergic Projections to the Suprachiasmatic Nucleus in Diurnal and Nocturnal Rodents

Jimenez, Tiffeny
NIMBY Strikes a Clubhouse: Understanding the Experience of Discrimination through the "Eyes of Mental Illness"

Sociology
Wang, Ya-Chien
Effectiveness of Culturally Sensitive HIV/AIDS Prevention Intervention