

### **Convened Session**

**Kounios, John** (Psychology, Drexel University)

Aha! Creative Insight in the Brain

**Lane, Vicki**, with members of the **UCDHSC Chapter of the American Advertising Federation** including **Dina Isyemina** and **Samuel O. Smith** (Marketing, School of Business)

National Student Advertising Competition - "Visit Florida" Campaign

**York, Jake**, with **Linda Ruth Carter**, **Joshua Ware**, **Amanda Bruns**, **Keegan Corrigan**, and **Anneliese Rix** (English, CLAS; and College of Arts and Media  
COPPER NICKEL

**Volk, Craig**, with **Lori Andrew**, **Amanda Van Nostrand**, **Jon Glidden**, and **Nate Bakke** (Television, Film and Video, CAM)

Racking the Focus: An Exploration of Episodic Television

### **Exhibits**

**Hix, Matt**, **Jeremy Johnson**, and **Marilyn Faulkner**, with **Stan Soocher** and **John Kellogg** (Music and Entertainment Industry Studies, CAM)

CAM RECORDS

**Linda Ruth Carter**, **Joshua Ware**, **Amanda Bruns**, **Keegan Corrigan**, and **Anneliese Rix**, with **Jake York** (English, CLAS)

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### **Contributed Presentations**

**Angles, Erik**, with **Susan Schelble** (Chemistry, CLAS)

Chemistry is in the News

**Aryan, Najin** (Physics, CLAS), and **Anne Andrew** (Physics, MSCD), with **Alberto Sadun** (Physics, CLAS)

Investigation of Intermediate Mass Black Holes

**Avery, Azure**, **Jonathan Crider**, and **Paul Nied** (Physics, MSCD); **Bruce Hines** (Physics, CLAS); **Erik Lucero** (Physics, CLAS; Electrical Engineering, CEAS); **Kenneth Anderson**, **Anton Esterhuizen**, **Sulistiyo Indah**, and **Triet Nguyen** (Electrical Engineering, CEAS); **Varghese, Roye** (Electrical Engineering, Computer Science and Engineering, CEAS); and **Leonard Archuleta** (Mechanical Engineering, CEAS); with **Martin Huber** (Physics, CLAS)

Wideband Scanning Superconducting Quantum Interference Device Susceptometer for Nanomagnetic Materials Research

**Bertagnole, Beth** (English, CLAS), with **Greg Cronin** (Biology, CLAS)

Nature and Science Writing: A Publication Opportunity

**Brugger, Andrew**, with **Brian Page** (Geography, CLAS)

The History of Colorado Settlement Using Land Records and GIS

**Carpenter, M. Lance** (M.S. Environmental Science), with **Greg Cronin** (Biology, CLAS)

The Role of Trace Nutrients in the Survival of Bighorn Sheep Lambs: Are Current Population Declines caused by Malnutrition?

**DeLoe, Adrienne**, and **Maren Schwartz**, with **James Wentworth** (Visual Arts, CAM),  
Process of Perception

**Doci, Arta**, with **Ilkyeun Ra** and **Mary Lou LaCouture** (Computer Science and  
Engineering, CEAS)

**Integrated Networks: Convergence of Voice, Data, and Video**

**Duong, Duc N.**, **Robert Hom**, **Adam P. Lusk**, with **Mark Donsky** (Chemistry, CLAS)  
Bioremediation of White-Rot Fungi

**Erfman, Aaron**, with **Kevin Rens** (Civil Engineering, CEAS)  
Historic Bridge Truss Preservation

**Esterhuizen, Anton** (Electrical Engineering, CEAS); **Jonathan Crider** and **Paul Nied**  
(Physics, MSCD), with **Martin Huber** (Physics, CLAS)  
ElectroMagnetic Modeling of Superconducting Quantum Interference Devices (SQUIDs)

**Flammer, Amy**, and **Robert Hom**, with **Xiaotai Wang** (Chemistry, CLAS)  
Synthesis of Organic Ligands and Coordination Polymers

**Foster, Aimee**, with **Douglas Dyckes** (Chemistry, CLAS)  
Exploring the Synthesis and Potential Applications of a New Polymer

**Garrington, Matthew**, with **Christoph Stefes** (Political Science, CLAS)  
Institutional Landscape of Germany's Renewable Energy Policy

**Ghosh, Biswadip**, with **Judy Scott** (Information Systems, BS)  
Evaluating the Organizational Impact of Business Process Outsourcing and Identifying  
KM Practices that can increase BPO Effectiveness.

**Grompone, Kristen**, and **Mario Perez**, with **Diana F. Tomback** (Biology, CLAS)  
Do Microsite Conditions Affect Whitebark Pine (*Pinus Albicaulis*) Seedling Survival?

**Hill, Kimberley** (Biology, CLAS), with **Doug Graham** (Pediatrics, SOM)  
A transgenic mouse model of the proto-oncogene Mer

**Komura, Nobuko** (Planning and Design, CAP), with **Lois Brink** (Landscape  
Architecture, CAP)  
McKinley-Thatcher Elementary School Learning Landscape Midterm Review

**Larkin, Sawyer, James Sinclair**, and **Jeremy Mickelson**, with **Brian Atkinson**  
(Electrical Engineering, CEAS)  
Water Buffalo - an Autonomous Underwater Vehicle

**Lesic, Zoran** and **Leigh Ann Neely** (Biology, CLAS); and **Niamh E. Horgan**, with  
**Susan Schelble** (Chemistry, CLAS)  
Preparation of N-amino acid (alkyl ester) thiophosphorinates

**Manos, Steve, Morgan Scott**, and **Elena Ortega**, with **J. Kenneth Ortega** (Mechanical  
Engineering, CEAS)  
A study of the relationship between helical growth and longitudinal stress in the  
sporangophore of *Phycomyces blakesleeanus*.

**McKinney, Shawn T.**, with **Diana F. Tomback** (Biology, CLAS)

Evaluating natural selection as a management strategy for restoring whitebark pine

**Mitchell, Laura**, with **Greg Cronin** (Biology, CLAS) and **Martin Lockley** (Geography and Environmental Sciences, CLAS)

Iterative Heterochronic Patterns in Pterosauria

**Naoum, Afram** and **Kenji Tanaka** (Biology, CLAS); and **Cassie Vogel**, with **Susan Schelble** (Chemistry, CLAS)

Determination of an Unknown Albumin Concentration Using Coomassie Dye Protein Assay.

**Naoum, Afram, Sarah Wear**, and **Cory Zoetewey** (Biology, CLAS); and **Cassie Vogel**, with **Susan Schelble** (Chemistry, CLAS)

Community outreach in the inter-city by undergraduates at UCDHSC

**Nikmanesh, Seahvosh, Sawyer Larkin**, and **James Sinclair**, with **Brian Atkinson** (Electrical Engineering, CEAS)

RAVENS Design: Flight Control Implementation for Autonomous Helicopter

**Okun, Michelle** (Health and Behavioral Sciences, CLAS), with **Mary Coussons-Read** (Psychology, CLAS)

Sleep during pregnancy is linked to immune and endocrine alterations.

**Powell, Robert, Jackie Campbell**, and **John P. Rekstad**, with **Leo P. Bruederle** (Biology, CLAS)

DNA sequence variation in populations of *Carex lutea*, a rare endemic.

**Rodriguez, Diane**, with **Michael Brohman** (Visual Arts, CAM)

Metamorphosis

**Sangaumphai, Akanita** and **Nathan Derieg**, with **Leo P. Bruederle** (Biology, CLAS)

Evolutionary Potential in *Carex lutea* (Cyperaceae), a rare North American endemic

**Simmons, Liz** and **Courtney Kallas**, with **James Igoe** (Anthropology, CLAS)

Living Room: Space and Place in Infoshop Culture

**Snelling, Lisa**, with **Timberley Roane** (Biology, CLAS)

Identification of microorganisms living in museums

**Stafford, Jason, Thomas Arthur**, and **Yaser Namvargolian**, with **Bradley J. Stith** (Biology, CLAS)

The mechanism of fertilization in *Xenopus laevis*

**Thee, Sally** (Visual Arts, CAM), with **Barbara Walkosz** (Communications, CLAS)

Documenting Sacred Ground: A Comparison of Native American and Ancient Celtic Burial Mounds

**Varghese, Roye** (Electrical Engineering, Computer Science and Engineering, CEAS);

**Triet Nguyen** and **Sulistiyo Indah** (Electrical Engineering, CEAS), and **Erik Lucero** (Electrical Engineering, CEAS; Physics, CLAS), with **Martin Huber** (Physics, CLAS).

High Bandwidth Electronics for Superconducting Quantum Interference Device Measurement Systems