

# Exploring Our World...

## Keene State College Presents

### The Fifth Annual

# Academic Excellence Conference

Saturday, April 2, Lloyd P. Young Student Center

Free and open to the public

**8:30-9 A.M.**

#### Student and sponsor registration

STUDENT CENTER ATRIUM

**9-9:15 A.M.**

#### Welcome

MABEL BROWN ROOM, STUDENT CENTER

### The Presentations

(Pick up a program at the conference for room details)

#### 9:25-9:55 A.M. SCIENCE CENTER LOCATIONS

**S126**

Fractal Geometry – Nathan Swartz, Andrea Drake, Daniel Bard

**S129**

College Students' Drinking Motives and the Influence of Their Peers – Jade Malone

**S154**

The Extent of Areas Containing High Concentrations of Lead and Copper in the Ashuelot River Sediments – Erin Burns

**S161**

Steering Wheel Design and Development – Matt Bullard

**S163**

Demonstrations of Visual Java – Barbara Schweigert

**S175**

The Pilgrims and the Wampanoag Indians: Introducing Another Perspective – Kelley Mulhall

#### 10:05-10:35 A.M.

##### SCIENCE CENTER LOCATIONS

**S102**

Cubism and its Mathematical Influences – Chepina Witkowski

**S126**

Speak Up! – A Trilogy of Plays for Social Change in America – Steven Gravelle

**S129**

Franco-Americans: Quietly Woven into New England Tapestry – Michelle Lindberg, Monique Reno

**S154**

Hydrogen Emission Spectrum Prediction by the Schrödinger Equation and Confirmation by Spectral Analysis – Skyler Degenkolb

**S161**

Microturbine Generator Project – Scott Cafasso, Travis Reilly, Matt Bullard

**S175**

Indonesia's Financial Crisis of 1998 – Renee Deschenes

**S181**

Teaching Dance to Students with Visual Impairments – Cindi L'Abbe

#### 10:45-11:15 A.M.

##### SCIENCE CENTER LOCATIONS

**S102**

Racism in Vermont – Gwendolyn Trumbull

**S126**

The Downfall of Man in Place of Eve in Mary Shelley's *Frankenstein* – Bethany Lasko

**S129**

A Study of the Perceived Long-Term Effects on College Women of Relationships With Their Fathers: Comparisons of Those Who Have Positive Father-daughter Relationships with Those Whose Fathers were Absent – Sara Leonardo

**S154**

Driving Around in Circles: The Roundabout Solution to Traffic Congestion – Shelby Byrnes, Jesse Girdwood

**S161**

Fractal Generation – Bernard Lee

**S163**

Variation in Geotaxis Behavior Among Populations of *Drosophila* – Caroline Dulaney

**S175**

The Ukrainian Economy in Transition: How Effective has Western-Prescribed Shock Therapy Been? – Natalya Gonchar

**S181**

Becoming a Woman: One Issue Affecting My Generation – Judith Grophear

#### 11:25 A.M.-12:25 P.M.

##### NIGHT OWL CAFÉ, STUDENT CENTER

Campus Climate for Women – Sara Frawley, Joy Avoli, Katy Jo Mays, Marie Bergeron, Alyssa Biel, Tracey Chadwick

##### MADISON STREET LOUNGE, STUDENT CENTER

Who's Your Hero? A Conversation with a Few Modern American Novelists – Elizabeth Biron, Steven Gliddon, Lauren Baggot

##### ROOM 309, STUDENT CENTER

Dispelling the Myth: The Historical Agency of Native Americans, 1600-1800 – Cathleen Brennan, Mary-Jane Desmarais, Shannon Eldredge, Benjamin Wheeler

##### MOUNTAIN VIEW ROOM, STUDENT CENTER

Induced Stress: Performance and Physiological Effects on a Simple Cognitive Task – Mary Pyc

Latent Inhibition in the Terrestrial Mollusk:

The Effect of Cooling Generated Retro-Grade Amnesia After Pre-Exposure to a CS – Kate Airey

Synthesis and Characterization of Layered Pnictide Oxides: RMPO and RMSbO; R = La, Ce, Gd; M = Mn, Zn – Michele Tague

3D Modeling of an Alpine Glacier – Corey Smith

Possible McIntosh Apple Orchard Sites in the Keene, N.H., Area – Matthew Kaufman

Wetland Preservation through Community Awareness and Education – Brenna Leveille

Herbariums and Education: The Use of Natural History Collections in High School Curricula – Peter Dumont

Endorphins and Health: Feelings or Physiology? – Christin Saucier

Parental Role in Modeling in Promoting Children's Health – Jennifer Simpson

Video Game Effects on the Mood Fluctuations of Young Adults – Michaela Viglione

Spatial Statistical Analysis of Cheshire and Windham Counties Using GIS – Shawn Sullivan

#### 12:35-1:45 P.M.

##### Presenter's Luncheon

##### MABEL BROWN ROOM, STUDENT CENTER

**Welcome** – KSC President Stanley J. Yarosewick

**Keynote Address:** "Voices of Scholarship" by Dr. Janaki Tschannerl, senior lecturer of education and sociology

#### 1:55-2:55 P.M.

##### MADISON STREET LOUNGE, STUDENT CENTER

Women of Many Ages: A Diverse Writing Course – Grisel Levene, Nancy Roberts O'Neill, Nicole Simonson, Rebecca Soderberg

##### NIGHT OWL CAFÉ, STUDENT CENTER

An Historical and Literary Portrait: Anna Sokolow's *Dreams* – Stephanie Ritchie, Valerie Snowdon

##### MOUNTAIN VIEW ROOM, STUDENT CENTER

Optimal Locations for White Oak Trees in the Mount Grace, Massachusetts Area – Stephanie Derrick

The Synthesis and Identification of the Electroneutral and Electron Poor Phosphine, Pentafluoroethyl-2, 2'-biphenoxyphosphine – Sara Frawley

The Impact of Childhood Illness on Adult Anxiety: Measuring Physiological Response – Meagan LeBlanc

Institutional Impacts of the Keene By-pass Project: City of Keene Government and its Views on the Community Involvement – William Schoefmann

Working Towards Community Awareness and Involvement in the Redevelopment of Brownfields in Keene – Shane Dunne

Exercise "Addiction": A Model of Dependency – Jonas Beauchemin

The Effect of Art Activities on Anxiety – Desiree Soucy  
Teaching Societal and Cultural Links: Lingering Effects of the Civil War – Aubrey Linen

EEG Validation of the Horne and Ostberg Morningness-Eveningness Questionnaire – Danielle Nachtigal

Music as Motivation for Exercise – Madori Herlihy

Design and Prototype of a Dry-Land Training Bench – Bernard Cooper, Scott Palumbo, Douglas Whiton

#### 3:05-3:25 P.M.

##### SCIENCE CENTER LOCATIONS

**S126**

The Economic Crisis in Argentina – Daniela Arias

**S129**

Prejudice and Discrimination: The Effect of Stereotype Priming – Kevin White

**S154**

Vedic Mathematics – Jillian Trask

**S161**

Is SpongeBob SquarePants the new Judy Garland? Symbolic Interactionism and the Creation of a Gay Cultural Icon – Monique Reno

**S163**

Influence of Environmental Factors on Maternal Behavior and Offspring in the Domestic Mouse – John Gibbons

**S175**

Teaching Equity through the Reggio Emilia Approach to Early Education – Olivia Tardiff

**S181**

The Importance of Historical Context: George Orwell's *Animal Farm* – Heather Bogardus

#### 3:45-4:15 P.M.

##### SCIENCE CENTER LOCATIONS

**S102**

Creating Senior Housing for a Small Town – Johanna Swider, Diana Hansen

**S126**

AIDS Data Analysis – Veronica Mort

**S154**

Probabilities of Real Life Situations – Matthew Brewer, Jennifer Richinick

**S161**

Subconscious Threading – Elizabeth Louder

**S163**

Comparing the Coping Strategies Used by College Students with High and Low Scores on the Brown Attention-Deficit-Disorder Scales – Sarah Scadding

**S175**

The Essence of Constructivist Teaching: Constructing Questions for Critical Thinking – Kathy Thielen

##### OUTSIDE THE SCIENCE CENTER

PC Equipped.Net – Randy Blasik

#### 4:25-4:55 P.M.

##### SCIENCE CENTER LOCATIONS

**S126**

Academic Writing: Using *Amherst Writers and Artists Methodology* in the College Classroom – Barrett Richard, Kelly Gennett, Derrick Glow, Danielle Spardo, John Skelton

**S154**

The Dissenting Individual in Constitutional Debates Concerning Same-Sex Union: Principled and Effective Dissent Inspired by Thoreau's *Civil Disobedience* – Peter Beauchamp

**S161**

The Relationship Between Sources of Sexual Education and Sexual Perceptions – Jessica Anderson

**S163**

Counting Triangulations of a Polygon – Tara Jones-Hudson

**S175**

Tiling of the Plane – Kelly Naro, Eileen Zavoluk

**S181**

Confronting Sustainability and Aesthetics – Chad Wanstreet