

JAMES J. WHALEN
ACADEMIC
SYMPOSIUM



Campus Center
Emerson Suites

Tuesday
April 3, 2007

ITHACA



James J. Whalen Academic Symposium

The College's first academic symposium celebrated the 22-year presidency of James J. Whalen and his strong support for undergraduate research, especially in the natural and social sciences. Held in the spring of 1997, the President's Academic Symposium showcased the work of students from both the School of Humanities and Sciences and the School of Business, providing a forum much like that of a professional conference.

H&S dean Howard S. Erlich observed at the time, "The symposium honors President Whalen's dedication to and support for student learning, both in the classroom and out. That so many of Ithaca College's students are engaged in significant collaborative work with the faculty is a tribute not only to the College, but also to President Whalen's distinguished leadership." During his presidency, Ithaca College became a founding member of the Council on Undergraduate Research, and student-faculty research productivity increased substantially. The 1993 Garfield Report, "The Role of Undergraduate Colleges in Research," placed Ithaca College in the top five percent of 75 undergraduate institutions for the significance of its research.

The success of the first symposium suggested its continuation. The second event, renamed the James J. Whalen Academic Symposium and held in March 1998, featured the research and creative projects of approximately 80 students from all five schools of the College. Student interest has continued to grow: the 2007 symposium involves over 200 students and more than 130 presentations. The projects represent the best student work accomplished at the College and are evidence of the important role that student-faculty collaboration plays in learning at Ithaca.

James J. Whalen Academic Symposium
Tuesday, April 3, 2007
9:25 AM–5:30 PM

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ALL DAY
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NORTH FOYER
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Posters

Posters will be on display all day. The following posters will be presented between 12:10 and 1:00 PM.

Russell Michaud, “‘Is that true?’ College Students’ Prior Training in Media Literacy and Internet Credibility ”

- *Sponsor: Cynthia Scheibe*

David Anchin, “Using Self-reward to Reduce Negative Mood Associated with Nicotine Withdrawal”

- *Sponsor: Jeff Holmes*

Matthew Tenan, “Local Muscle Fatigue in a Graded Exercise Test”

- *Sponsor: Jeffrey Ives*

Elizabeth Grossfeld, Allison Hunt, Brittany McCutcheon, and Research Team 13, “Using Research Methods to Evaluate the Effectiveness of an After School Program”

Christine George, Hannah Priestley, Cait Rich, and Research Team 13, “YEP! A Qualitative Evaluation of the Youth Employment Program at the Ithaca Sciencenter”

- *Sponsor: Judith Pena-Shaff*


Lauren Marko and Wendy Horning, “That’s Not My Pyramid! Nutritional Aspects of Foods Advertised to Different Target Audiences”

- *Sponsors: Julia Lapp and Cynthia Scheibe*

The following posters will be presented between 2:35 and 3:50 PM.

Marcia Kafchinski, “Anterior Cruciate Ligament Reconstruction with a Loss of Knee Extension”

- *Sponsor: Paul Geisler*



Scott Klass, “Management of a Fifth Metatarsal Fracture”

- *Sponsor: Todd Lazenby and Kent Scriber*

Kristina Bramwell, “Case Study: An Aviator’s Fracture in a Female Gymnast”

- *Sponsor: Chris Hummel*

Lei Mi-Mi, “Development of a Microsatellite Molecular Markers for Constructing a Dense Linkage Map in the Pea Aphid”

- *Sponsor: Marina Caillaud*

Sarah Smith and Pamela Dajer, “The Effect of Floral Sights and Scents on Subjective Well-being, Mood, Creativity, and Cognitive Performance”

Samantha Dickerman and Marion Hobart, “Infant Preference for Synchrony across Speech and Gesture”

- *Sponsor: Nancy Rader*

Elizabeth Hoover, “The Effect of Leaf Extract on Soil-microbe Respiration”

Susan I. Meyer, “Evaluating the Xylem Wound Response on the Measure of Hydraulic Resistance in Plants”

- *Sponsor: Peter Melcher*

9:25 AM–10:40 AM EMERSON A

Environmental Studies and Science I

- *Convener: John Confer*


Jack Haurin and Bobby Smith, “Environmental War, the Long Term Impacts of Invasion”

Nicole Stumpf, “A Project Looksharp Curriculum: Media Construction of the Environment”

- *Sponsor: Susan Allen-Gil*

Jacqueline Seahill, “The Frog Prince and His Pesticides”

- *Sponsors: Elizabeth Lawson and Susan Allen-Gil*



Kristopher Shapiro, “Environmental Impact Studies for a Potential Wind-power Tower on our Campus”

- Sponsor: *John Confer*

Beth Pallo, “Is Tuna Toxic? An Evaluation of the 2004 FDA/EPA Advisory on Mercury in Fish and Shellfish”

- Sponsor: *Marlene Barken*

Colin Howard, “The CNS Sustainability Group Wind Turbine Project”

Stephen Figgatt, “Installing and Operating the CNS Small Wind Turbine”

Lia Stelljes, “Energy Use and Energy Awareness at the CNS Building”

- Sponsor: *Beth Ellen Clark Joseph*

9:25 AM–10:40 AM EMERSON B

Sociology and Identity

- Convener: *Jim Rothenberg*

Stephanie Masline, Elena Pablo, Rachel Vanderpool-Rosario, Mary Yaiko, Alyssa Annelo, and Vanessa Bates

- Sponsors: *Susanne Morgan and Jim Rothenberg*

9:25 AM–10:40 AM EMERSON C

Physics

- Convener: *Bruce Thompson*


Tayza Yeelin, “16 Piscium is a Double Star!”

Maksim Sipos, Elvis Shehi, and Nitin Rajan, “Gerrymandering: Mathematical Contest in Modeling”

- Sponsor: *Bruce Thompson*

Sweta Shah, “Infrared Identification of Forming Solar Systems in Other Galaxies”

Nirbhik Chitrakar, “Design of the Data Analysis Package for Mid-infrared Spectroscopy on NASA’s Airborn Observatory”

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- *Sponsor: Luke Keller*

George DeBeck, “Repair and Calibration of the Thin-film Metal Evaporator”

- *Sponsor: Matthew Sullivan*

Nik Batruch, “Construction of a Test Facility to Identify the Source of a Positional Error Encountered During Magnetometer Surveys”

Rhea Hanrahan, “Acquisition of a New Equipment and Modification of Laboratory Experiments for use in the New Performance-based Physics Teaching Laboratory”

- *Sponsor: Michael Rogers*

9:25 AM–10:40 AM KLINGENSTEIN

Business I

- *Convener and Sponsor: David Saiia*

Caitlin Kopicik, “Sound, Society, and Sustainability”

Sarah Brylinsky, “Sustainability Curriculum Project: The Ecuador Program”

- *Sponsor: David Saiia*

10:50 AM–1:00 PM KLINGENSTEIN

Writing

- *Convener: Gigi Marks*

Kalia Armbruster, Selected Poems

- *Sponsor: Mary Beth O’Connor*

Nicholas Graziade, “What Does It Mean To Be Cold?”

- *Sponsor: Elizabeth Lawson*

Jessica Langan-Peck, “Invasive Species Management Program in the Six-mile Creek Natural Area”

- *Sponsor: Patricia Spencer*



Mark Tedeschi, “Saving Time, Not Daylight”

- *Sponsor: Barbara Adams*

Teresa Phan, Selected Poems

Steven Fromtling, “Vaguely Wishing I Was Normal”

- *Sponsor: Gigi Marks*

Lissa Twichell, “The Geometry of Holes”

- *Sponsor: Mary Beth O’Connor*

Casey Carroll, “There’s Always a Plan B”

- *Sponsor: Barbara Adams*

Liz Dean, Selected Poems

- *Sponsor: Gigi Marks*

Andrew Tiebout, “The Word”

- *Sponsor: Tom Kerr*

Natalie Ferrigno, Selected Poems

- *Sponsor: Katharyn Howd Machan*

Brandon Hart, “But Not Me”

- *Sponsor: Gigi Marks*

Darren Campbell, Selected Poems

- *Sponsor: Katharyn Howd Machan*

Alice Pencavel, “The Question of Sky”

- *Sponsor: Elizabeth Lawson*

Jillian Bateman, “Retail Training Facility at the Women’s Opportunity Center”

- *Sponsor: Patricia Spencer*



Rebecca Merritt, Personal Essay and Selected Poems

- *Sponsor: Mary Beth O'Connor*

Kristen Voget, “Grass Stains”

- *Sponsor: Gigi Marks*

Sean Mix, Selected Poems

- *Sponsor: Katharyn Howd Machan*

Emily McNeill, “Voice of Iran”

- *Sponsor: Barbara Adams*

Rameau Velez, “Walkin’ Blues: The Adventures of Two Domesticated Animals”

- *Sponsor: Elizabeth Lawson*

Matthew Cockcroft, Selected Poems

- *Sponsor: Gigi Marks*

10:50 AM–12:05 PM CLARK

History

- *Convener: Michael Smith*

Hal Emery Writing Award Recipients:

Shea O’Neil, “Re-imagining the Rat: A Co-evolutionary History of Rats and Humans”

Raechel Lutz, “Lost in Illustration: European Perceptions of the New World as Seen through the Eyes of John White and Theodore de Bry”

- *Sponsor: Michael Smith*

Emerson Collaborative Grant Recipient:

Jason Gunning, “Reading the Economic Lives of Two Widows”

- *Sponsor: Vivian Bruce Conger*

10:50 AM–12:05 PM EMERSON A

Environmental Studies and Science II

- *Convener: Nancy Jacobson*

Dan Carrión, “Greening IC’s Roofs: A Pilot Project for CNS”

- *Sponsor: Susan Swensen*

Aaron Bloom, “Get on Board - IC and Sustainable Transportation”

- *Sponsors: Susan Swensen and Jason Hamilton*

Kara Oberg, Zachary Kruger, and Greg Rothman, “Buildings as Curriculum”

- *Sponsors: Tina Nilsen-Hodges and Jason Hamilton*

Carolyn Sherman, “Using Medicinal Herbs to Save Forests from the Ax”

Jennifer Chen and Elizabeth Gwinn, “Bats, People, and Mosquitos”

Andrew Furfaro, “Using Plants for Sustainability and Stability: The Ecovillage at Ithaca Root Cellar Landscaping Project”

Alexandra Chesney, “Ithaca College’s Carbon Footprinting”

- *Sponsor: Jason Hamilton*

Patrick Ryan, “Food in the 21st Century: Alternatives to Corporate Farming”

- *Sponsors: René Borgella and Jason Hamilton*

10:50 AM–12:05 PM EMERSON B

Sociology and Sexuality, Race, and Fear

- *Convener: Susanne Morgan*

Mary Joggerst, Christine McLearn, Mary Murphy, Scott MacPherson, and Kim Gillman

- *Sponsors: Susanne Morgan and Jim Rothenberg*

12:10 PM–1:00 PM EMERSON A

Environmental Studies and Science III

- *Convener: Jason Hamilton*

Kyla Basher, “Gaining Traction: The Environmental Effects of Road Salt on a College Campus”

- *Sponsors: René Borgella, Jason Hamilton, and Mark Darling*

Lauren Spitz, “Environmental Effects of Heavy-metal Trash on South Hill”

- *Sponsors: Jason Hamilton and René Borgella*

Jessica Langan-Peck, “The Natural Areas Commission: Battling Invasive Plant Species in the Six-mile Creek Basin”

Laura Josephs, “Finding Environmental and Social Justice in New Orleans After Hurricane Katrina”

Students of the Environmental Studies Capstone Course, “Landscaping Practices and Environmental Benefits of Turn-grass Lawn Alternatives”

- *Sponsor: René Borgella*

12:10 PM–1:00 PM EMERSON B

The Park Scholar International Media Experience in Addis Ababa, Ethiopia

- *Convener and Sponsor: Matt Fee*

Peter Berg, Lindsey Knox, Kate Levinson, Anna Uhls, Lindsay Walker, and Zachary Wilson

12:10 PM–1:00 PM EMERSON C

MLK Jr. Scholar Program, Junior Seminar: Human Rights and Migration in a Korean Context

- *Convener and Sponsor: Charles Venator Santiago*

Daiana Amieiro, “Disabilities and Disparities”

Maria Gonzalez, “Educational Inequities in Korea”



Brooke Hundley, “Mix-race Double Standards in Korea”

Christian Laurence, “Chinese Migrant Elders in Korea”

Tara Liu, “Economic Development and Human Rights in Korea”

Brian Saa, “Korean National Filmography”

12:10 PM–1:00 PM CLARK

Art History, Cinema, and Music

- *Convener: Nancy Break*

Mogan Johnson, Raechel Lutz, and Zachary Taras, “Concerning the Pursuit of Happiness: Living Quarters on a Living Wage”

- *Sponsor: Nancy Break*

Peter Terlaak Poot, “Jack-O-Lantern”

- *Sponsor: Changhee Chun*

Thomas Flanigan, “The Essence of Brahms: An Analysis of his Intermezzo, Op. 116 no. 6”

- *Sponsor: Craig Cummings*

12:10 PM–1:00 PM NORTH MEETING ROOM

Business II

- *Convener: Hormoz Movasaghi*

Daniel Whalen and David Israelow, “Ithaca College Paper Trader”

- *Sponsor: Abraham Mulugetta*

Ian Applebee, “Sustainability and Financial Performance: An Empirical Analysis of Top Ranked Global Companies”

- *Sponsors: Alka Bramhandkar and Hormoz Movassaghi*

1:10 PM–5:15 PM CLARK

Mathematics I

- *Convener: John Maceli*

Matt Rogala, “An Alternative Method to Find Integral Transforms Special Functions”

- *Sponsor: Osman Yürekli*

Jolie Baumann, “Mathematics and the Psychology of Risk”

Daksha Shakya, “Fair Division and the Talmud”

Brett Hotchkiss, “A Tournament Dilemma”

Johnathan Doyle, “On Benford’s Law: The Distribution of Initial Digits in Data”

Jillian Cavanna, “Mapping Music”

- *Sponsor: John Maceli*

Bryan Cipolla and Krasimir Kehayov, “African Designs to Latin Squares”

Kayla Bullock, Emily Clark, and Tahleen Ovian, “Architecture and Geometry”

Sarah García and John McCarroll, “Kolam Designs I”

Ann Jacob and Danielle M. O’Reilly, “Kolam Designs II”

Bryant Kuehner and Geoff Raywood, “Quipus I”

Lindsay Pehmoeller and Joe Schmitthener, “Quipus II”

Lauren Spitz and Nicole Stumpf, “Marking Time”

Jillian Cavanna and Brett Hotchkiss, “Geometry in Cultures: Mathematical Explorations of Infinite Patterns”

- *Sponsor: Osman Yürekli*

1:10 PM–3:50 PM

EMERSON A

Mathematics II

- *Convener: David Brown*

Jenn Marro, “A Runs Created Formula for Softball (Not the Same as for MLB)”

Matt Hoover and Andy Boslett, “The Effects of Travel on Home Field Advantage in Baseball”

- *Sponsor: Tom Pfaff*

Nick Ommen, “Integration through Recurrence Relations and its Applications to Calculus”

- *Sponsor: Ali Erkan*

Kayleigh Rose, “Pursuit Curves”

Alana De Pointe and Caitlin Owens, “What’s the Difference? A Permutation Algorithm, Part I”

Keri Sheridan and Zach Simmons, “What’s the Difference? A Permutation Algorithm, Part II”

Maksim Sipos, “Quadratic Julia Sets in the Cosine-root Parameter Space”

- *Sponsor: David Brown*

Penyo Michev and Stefana Vutova, “Wheels on Wheels - How Mathematics Draws Symmetrical Flowers”

Laura Mansfield, “Finger Games Based on Gray Code”

- *Sponsor: John Rosenthal*

1:10 PM–2:25 PM

EMERSON B

Psychology

- *Convener: Mary Turner DePalma*

Megan Maurer, Randy Hoyt, Chaya Gandolfi, Brendan Woodward, and George Figueroa, “Sticks and Stones: Put-Downs, Teasing and Derogatory Language in Children’s TV Shows, Teen Shows and Sitcoms”

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- *Sponsor: Cynthia Scheibe*

Lindsay White, Allison Trinker, Steven Boydston, Dane Hewlett, Lisa Hughes, Kevin Bussolini, Jessenia Eliza, Barbara Nankin, Jessica Oddo, Aimee Wagner, Katherine Dela Cruz, Sean Golan, Elana Rosen-White, and Laura Streckfuss, “The Effects of Perceived Negative Social Support on Diabetes Management in Native Americans”

- *Sponsor: Mary Turner DePalma*

Livanna Homstead, “Psychological Evaluation for the Australian BioSub Project: Lessons for the Sustainability of Human Life in Alien Environments”

Amanda Spyratos, “The Role of Gestures in Early Infant Language Learning”

- *Sponsor: Nancy Rader*

1:10 PM–2:25 PM EMERSON C

Sport Management and Media, and Strategic Communication

- *Convener: Ellen Staurowsky*

Michael Berger, “Softball: The Game’s History and its Relationship with the Olympic Games”

Kyle Dougherty, “The Gymnasia Effect”

- *Sponsor: Ellen Staurowsky*

A. J. Mizes, Eddie Lemonier, Basak Ozler, Kellie Hoverter and the rest of the Crisis Management Class, “S.O.S. via SMS: Text Messaging as a Communication Strategy in Hurricane Crisis”

- *Sponsor: Cory Young*

1:10 PM–2:25 PM KLINGENSTEIN

Economics

- *Convener and Sponsor: Darius J. Conger*

Dana Jaffe, “Forecasting Recessions with Monetary Variables”

Paola Acosta, “The Effects of the Working Opportunities and Reconciliation Act on Healthcare Coverage for Low-income Families”

Scott Arnowitz, “Medicare and Other Health Care Issues Relating to the Economy”

Justin Dwork, “Estimating the Demand for Lottery Tickets”

2:35 PM–3:50 PM EMERSON B

Sociology and Higher Education

- *Convener: Alicia Swords*

Mallory Moyer, Michelle Strucke, Dan Carrión, Tim Bartlett

- *Sponsors: Susanne Morgan, Jim Rothenberg, and Alicia Swords*

2:35 PM–3:50 PM EMERSON C

Health Promotion and Physical Education

- *Convener: Srijana Bajracharya*

Paola Acosta, “Microbicides: Empowering Women in their Sexuality”

- *Sponsor: Stewart Auyash*

Patrick Horan, Edmund Francis, Dana Fisher, and Margaret Good, “An Evaluation of the Tompkins County Health Department’s Tobacco-free Zone Program in Ithaca”

Kristen Leeson, Sheri Ryan, and Stephanie O’Brien, “An Evaluation of the Fitwell Program at Ithaca College”

Caitlin Catella, Brittany Craig, Kate Darlington, and Ilyssa Natelson, “A Needs Assessment of Ithaca College Employees’ Wellness Program: A Pilot Study”

- *Sponsor: Srijana Bajracharya*

2:35 PM–3:50 PM KLINGENSTEIN

Philosophy and Religion

- *Convener: Ashby Butnor*

Andrew Chapman, “A Defense of the Logical Form of the Problem of Evil”

- *Sponsor: Rick Kaufman*

Tyson Pease, “The Usefulness of ‘Oppression’”

- *Sponsor: Craig Duncan*

Ilana Berman, “Sexuality and the Self: Exploring Self-knowledge through a Feminist Lens”

- *Sponsor: Brendan Murday*

Nicholas Graziade, “The Ravaged Body: The Value of the Perception of Disability”

- *Sponsor: Ashby Butnor*

4:00 PM–5:15 PM KLINGENSTEIN

English and History

- *Convener: Katharine Kittredge*

Pema Rachel Bianucci, “Ireland and India Under Empire: Identity in Literature and History”

- *Sponsor: Jason Freitag*

Lesley Delisle, “Exploring the Portrayal of Girlhoods through Children’s and Young Adult Literature”

- *Sponsor: Katharine Kittredge*



Rosie Barki, “Colonizing Language: British Imperial Literature: 1690-1845”

- *Sponsor: Michael Stuprich*

Jenna Whittaker, “Thou Maist Behold...More Than I Can Write: Reading Unity and Healing Christ in Aemilia Lanyer’s Salve Deus Rex Judaeorum”

- *Sponsor: Wendy Hyman*

4:30 PM–5:30 PM EMERSON LOUNGE

Reception for student presenters and their faculty sponsors

ITHACA

