

Wheeling Jesuit University
STUDENT RESEARCH AND SCHOLARSHIP SYMPOSIUM
APRIL 7, 2009



LOOK FOR THIS SYMBOL THROUGHOUT THE PROGRAM...IT INDICATES RESEARCH AND SCHOLARSHIP ACTIVITIES DIRECTLY RELATED TO THE WHEELING COMMUNITY, WEST VIRGINIA, AND/OR THE APPALACHIAN REGION

9:00-9:45 Opening Ceremonies: Acker Science Center Hawk Auditorium

Welcome: Dr. Bryan Raudenbush, Associate Professor of Psychology and Symposium Committee Chair

Welcome: Fr. Julio Giulietti, President

Keynote Speaker: Mr. Jeffrey J. Smith, 2003 Alum

Human Factors and Ergonomics Doctoral Program
North Carolina State University, Department of Psychology

Hardware Human Factors Professional, IBM

Invited Address: "The Road Taken."

Opening Blessing: Fr. Donald Serva, S.J., Academic Associate, Department of Biology

10:00-11:20 Concurrent Session 1A: Computer Science and Physics ASC-315

Session Moderators: Dr. Theodore Erickson, Professor of Mathematics
Dr. James Coffield, Assistant Professor of Chemistry

10:00-10:20 Chad Henson [Busche]
Analysis of the Communication Protocol for the Vernier Lab Quest

10:20-10:40 Danielle Holstine, Jeremy Sinclair, Matthew Bartoszek, Clayton Stock, Andre Walcott, and Blake Williams [Carter]
Intelligent Collision Avoidance System

10:40-11:00 Scott Moses [Laker]
Computer Graphics with DirectX and the High Level Shader Language

11:00-11:20 Marjan Moro [Busche]
Data collection under Linux using a Pascco Force Sensor

10:00-11:20 Concurrent Session 1B: History ASC-212

Session Moderators: Dr. Jeffrey Rutherford, Assistant Professor of Philosophy
Ms. Kristin McCombs, Adjunct Instructor of Psychology

- 10:00-10:20 Stacy Keller [Weimer]
The 1985 Pittsburgh Drug Trials Revealed
- 10:20-10:40 Chris Rouhier [Weimer]
Potions and Polyester: Drugs in the Disco Era
- 10:40-11:00 Billy Longwell [Weimer]
Opium Empire: The Secret Behind Japan's Imperial Empire
- 11:00-11:20 Nicole Davis [Liedel]
From Colonization to Genocide in Australia: The Stolen Generation

10:00-10:40 Concurrent Session 1C: Political and Economic Philosophy ASC-215

Session Moderators: Mr. James Stover, Instructor of Philosophy
Dr. John Mansuy, Dean of Professional Studies; Professor
of Management & Quantitative Business

- 10:00-10:20 Jorie Bagnato [Michaud]
Private Property Rights: Eminent Domain Abuse and the Kelo Case
- 10:20-10:40 Marissa Smith [Michaud]
Rights vs. Responsibilities: Entitlement Thinking in Contemporary America

10:00-11:20 Concurrent Session 1D: English ASC-213

Session Moderators: Ms. Carrie West, Adjunct Instructor of English,
Communications, and Fine Arts
Dr. Joseph Brumble, Associate Professor of English

- 10:00-10:20 Ryan Norman [Voorhees]
Humanity's Struggle with Mendacity: A Study of the Characters in Tennessee Williams's Cat on a Hot Tin Roof
- 10:20-10:40 Elizabeth Schnupp [Voorhees]
Oceanic and Gaelic Settings' Effects Upon Families: John Millington Synge's Riders to the Sea
- 10:40-11:00 Shelby R. Sleevi [Voorhees]
The Compromise of "Self" in the Fiction of Kate Chopin

11:00-11:20 Jenna Derrico [Whitehead]
*"Based on a True Story": The Leeway and Limits of Literary
Memoir as Evidenced by A Heartbreaking Work of Staggering
Genius*

11:20-11:40 Daniel Swan [Voorhees]
Self-Realization and Love; Kate Chopin's Reckoning with Hope

11:30-12:30 Student Fine Arts Exhibition ASC-313

Session Facilitator: Ms. Georgia Tambasis, Instructor of English,
Communications and Fine Arts

12:30-1:00 Lunch: Benedum Dining Room

1:00-2:30 Poster Session: Troy Theater

Session Moderators: Fr. James O'Brien, S.J., Associate Professor of Philosophy
(Posters 1-4)
Dr. Michael Kirkpatrick, Associate Professor of Psychology
(Posters 1-4)
Ms. Jody Seabright, Assistant Professor of Nursing
(Posters 5-6, 10-11)
Ms. Deborah Wilkinson, Clinical Instructor in
Nuclear Medicine (Posters 5-6, 10-11)
Dr. Helen Faso, Associate Academic Dean; Professor of
Nursing (Posters 7-8, 9, 12)
Dr. Beverly Whelton, Associate Professor of Philosophy
(Posters 7-8, 9, 12)
Dr. Thomas Conti, Adjunct Instructor of Chemistry (Posters
13, 18-19, 28)
Dr. Beverly Carter, Assistant Professor of Computer
Science (Posters 13, 18-19, 28)
Ms. Marybeth Emmerth, Associate Professor & Director of
Respiratory Therapy Program (Posters 14-17)
Dr. Elizabeth Chalovich, Assistant Professor of Biology
(Posters 14-17)
Dr. Michael Hoops, Assistant Professor of Chemistry
(Posters 20-22, 26)
Dr. John Lynch, Associate Professor of Physics (Posters
20-22, 26)
Dr. Jonathan Lief, Professor of Biology (Posters 23-25, 27)
Dr. Benjamin Stout, Professor of Biology (Posters 23-25,
27)

(Number is poster location):

1. Scott Bonnette, Kristian Winters, and Amanda Stover [Raudenbush]
Effects of Chocolate Consumption on Pain Perception and Tolerance
2. Jonathan Kolks and Tim Wright [Raudenbush]
The Effects of Video Game Console and Snack Type on Snack Consumption During Play
3. Tim Wright and Scott Bonnette [Raudenbush]
Video Game Transfer of Training: The Ability of Nintendo Wii Bowling Practice to Promote Bowling Performance
4. Tim Wright and Jonathan Kolks [Raudenbush]
Increasing Video Game Performance Through the Administration of Peppermint Scent: Application to Nintendo Wii Guitar Hero
5. Renee D. Bailey [Emmerth]
Proper Use of Heat and Moisture Exchangers
6. Matthew A. Ellison [Emmerth]
The best way to administer drugs through a ventilator
7. Patricia Glaser [Emmerth]
Arterial Line: Hand Flush vs. Fast Flush
8. Ashley Jones [Emmerth]
Immediate Extubation vs. Discontinuing Ventilation and the Effects on the Respiratory Therapist
9. Sean Jorris [Emmerth]
Ability of a Coude Suction Catheter on Facilitating Entry into the Left Mainstem Bronchus
10. David Kozusnik [Emmerth]
Endotracheal Tubes vs. Laryngeal Mask Airways
11. Ciera M. Preer [Emmerth]
Open vs. Closed Endotracheal Suctioning on a Mechanically Ventilated Patient
12. James Huff [Emmerth]
Greater amount of medicine delivered through continuous and self actuated nebulizers
13. Noelle Holmes and Jordan Burkhart [Railing]
Resonance Stabilization of Nitrogen
14. Cameron Lee and Samantha Yakey [Coffield]
Investigation into fluorine- and phosphorus-containing commercially available products by ¹⁹F and ³¹P NMR

15. Samantha Yakey and Cameron Lee [Coffield]
Investigation of novel metal-dithiocarbamate complexes using coupled thermogravimetric analysis-Fourier transform infrared spectroscopy
16. Justin Provenzano and Sara Dille [Coffield]
Electrochemical investigation of novel metal-dithiocarbamate complexes
17. Renee R. Stewart [Coffield]
The Effect of Atrasentan on Docetaxel Protein Binding
18. Laura Simione [Hoops] 
Determining the concentration of lead in the soil of a nearby playground
19. Stephanie Poch [Hoops]
Studying the Degradation Pathway of Iron (III) Dithiocarbamates
20. Wilhelm L. Castellon [Cook] 
Enhanced Biodegradation of Coal Slurry
21. Dobin Choi [Shurina]
Construction of a Stable Tetracycline-Inducible Transfectants of Human Ovarian Cancer Cell Line, CAO-V-3
22. Ali Hajiran [Shurina]
Tetracycline Regulated Expression of the Catalytic Fragment of Protein Kinase C Alpha in Madin-Darby Kidney Epithelial Cells.
23. Kelly Lewis [Rastall]
Stereotypic Behavior of a Male Spectacled Bear Before and After the Introduction of a Female
24. Tara Richards [Rastall]
The Effect of Prey Gender Variability on the Feeding Behavior of Python regius, Lampropeltis getulus californiae, and Elaphe obsolete obsolete.
25. Keith Sechrest [Serva]
Wild-type Zebrafish Show Differences in Shoaling Preference for Size
26. Courtney Dray [Chalovich]
CREB expression in SH-SY5Y neuronal cells treated with the oxidative neurotoxin MPP+
27. Jon Nagel and Joe Greathouse [Rastall] 
A Comparison of Water Quality Values and Eastern Hellbender Presence at Historic Sites in Northern West Virginia
28. Justin Pastorius [Brodie]
Marginal Revenue Product of Major League Baseball Players

2:40-3:20 Concurrent Session 2A: Psychology and Professional Education ASC-212

Session Moderators: Mr. John Yelenic, Director of the Accelerated Certification
for Teaching Program
Dr. Julie Osland, Assistant Professor of Psychology


2:40-3:00 Tim Wright [Raudenbush]
*The Effects of Visual Distractions, Music, and Age on Pain
Tolerance and Pain Threshold*

3:00-3:20 Kate Munhall [Ruberg]
Breaching the Gap: Taking Technology into the Classroom

2:40-4:00 Concurrent Session 2B: History ASC-213

Session Moderators Mr. Patrick Plunkett, Assistant Professor of Computer
Science
Ms. Patricia Bowman, Instructor in Nursing

2:40-3:00 Lydia Bugaj [Rutherford]
Albert Speer: His Confessions at Nuremberg vs. the Truth

3:00-3:20 Jacqueline Wright [Liedel] 
*Eleanor's Baby: Arthurdale, West Virginia and the Subsistence
Homestead Movement*

3:20-3:40 Patrick C. Preto [Liedel]
*Savage Butchery and it's Propagation: Failed US Pacifism in World
War I*

3:40-4:00 Chris Rouhier [Liedel]
*A Fractured Electorate: The Roles of Partisanship and
Progressive Policy in the 1912 Presidential Election*

2:40-3:40 Concurrent Session 2C: Professional Communications ASC-215

Session Moderators: Dr. Kathryn Voorhees, Associate Professor of English
Ms. Marlene Sebeck, Academic Associate in English

2:40-3:00 Stacy Keller [Cain]
WJU Athletics Media Guides

- 3:00-3:20 Lorrie Kuhar [Cain]
Jury Media Event
- 3:20-3:40 Hyeran L. Yu [Cain]
United Methodist Communications (UMCOM) Website

2:40-3:40 Concurrent Session 2D: Biology ASC-315

Session Moderators: Dr. Allen Marangoni, Associate Professor of Physical Therapy
Dr. Norman Duffy, Professor of Chemistry

- 2:40-3:00 Renee R. Stewart [Lief]
The Effect of Body Mass Index on Prostate Cancer Distribution in Patients Diagnosed by Transperineal Mapping Biopsy
- 3:00-3:20 Kasey Jividen [Chalovich]
Effect of BDNF treatment on oxidant-induced death of SH-SY5Y neuroblasoma cells
- 3:20-3:40 Alan Casciola [Shurina]
Reference Theory Applied to Assimilation of Mongols

4:10-4:50 Service for Social Action Center Presentation

Session Facilitators:

Ms. Erin McDonald, Director, Service for Social Action Center
Ms. Corinne Chamberlin, Service Development and Research Coordinator

*Domestic and International Student Service Initiatives
Panel Discussion and Question/Answer Session*

5:00-5:30 Awards Ceremony: Acker Science Center Hawk Auditorium

Presentation of Awards:

Dr. Maureen McKenna, Associate Professor of Physical Therapy

Dr. Jill Kriesky, Director of the Appalachian Institute

Closing Remarks:

Dr. Letha Zook, Executive Vice President

5:30-6:30 **Dinner:** Benedum Dining Room

6:30-8:30 **Haig Presentations – Acker Science Center Hawk Auditorium**

Session Moderator: Dr. Helen Faso, Associate Academic Dean