Welcome to the Fifth Annual Interdisciplinary Research Symposium!

Welcome to the annual Interdisciplinary Research Symposium 2012 sponsored by the Academic Advisory Council of The Institute for Public Policy & Economic Development.

We are proud to showcase more than thirty faculty members and students from Marywood University, Misericordia University, The Commonwealth Medical College, University of Scranton, and Wilkes University who will present original research relevant to the region. Research topics include architecture, science, education, social work and healthcare.
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<tr>
<th>Room</th>
<th>Time</th>
<th>Speaker(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td>A</td>
<td>8:45—9:00</td>
<td>Kate O'Connor, Joe Savo, Bart Bajda, AJ Brown and Emily McMullen; Marywood University</td>
<td>When Pigs Fly</td>
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<td>9:00—9:15</td>
<td>Matthew Sowcik, Ph.D, Olivia Waszkiewicz, Suzanne Ekstrom, Alexandria Genelow, Angelina Genelow, Kelly Bridger, Nicholas Wesley; Wilkes University</td>
<td>The Sustainability of Leadership Studies Minors: Exploring Course Content</td>
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<td>9:15—9:30</td>
<td>Megan Boone Valkenburg and Dr. Andrew P. Miller, Wilkes University</td>
<td>Constructing Short-Term Service Trips Abroad</td>
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<td>9:30—9:45</td>
<td>Sarah Smith, Marywood University</td>
<td>Needle exchange programs and their effect on HIV incidence rates in injection drug users</td>
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<td></td>
<td>9:45—10:00</td>
<td>Question and Answer for all presentations</td>
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<td>B</td>
<td>8:45—9:00</td>
<td>Daniel Freedman PhD, LCSW, Marywood University</td>
<td>“Determining the Long-Term Risk of Recidivism and Registration Failures among Sexual Offenders”</td>
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<td>9:00—9:15</td>
<td>Justin C. Matus, Ph.D., FACHE, Wilkes University</td>
<td>Board Service: A discussion</td>
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<td>9:15—9:30</td>
<td>Dr. Jun Ling, The Commonwealth Medical College</td>
<td>Glucocorticoid promotes breast cancer cell survival via functional interaction with NFkB signaling pathway</td>
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<td>9:30—9:45</td>
<td>Sarah Schmeyer, Marywood University</td>
<td>Healthcare Information Technology: Its Effects on Patient Outcomes and Care Delivery</td>
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<td>C</td>
<td>8:45—9:00</td>
<td>Phyllis Black, PhD and Andrea Mease, BS, Marywood University</td>
<td>Social Work Students Come with Baggage: Past and Present Psychosocial Trauma</td>
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<td>9:00—9:15</td>
<td>Erin M. Visalli, Marywood University</td>
<td>Up To Par: The Environmental Protection Agency has standards for drinking water, but is the quality of the drinking water in Dimock, PA being monitored, regulated or just contaminated?</td>
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<td>9:15—9:30</td>
<td>Dr. Moses Prabu, The Commonwealth Medical College</td>
<td>Substrate-envelope approach - A novel method to design highly specific anti-HIV drugs</td>
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<td>9:30—9:45</td>
<td>Diana Cuy Castellanos, PhD, RD and Katie Abrahamsen, Marywood University</td>
<td>Using the PRECEDE-PROCEED model to assess dietary needs in the Hispanic population in Lackawanna County</td>
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<td>D</td>
<td>8:45—9:00</td>
<td>Courtney Connor, Marywood University</td>
<td>Sense of Belonging and Empowerment among People with Serious Mental Illness</td>
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<td>9:00—9:15</td>
<td>David Elliott, Marywood University</td>
<td>The Affect the Pennsylvania’s Heart and Lung Act has had on Municipalities</td>
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<td>9:15—9:30</td>
<td>Dennis Chapman, Melody Collins &amp; Kelly Costello, Marywood University</td>
<td>Present and future challenges in caring for nursing home residents with advancing dementia.</td>
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<td>9:30—9:45</td>
<td>Dr. Kingsley Banya, Misericordia University</td>
<td>The Challenges of Reforming Teacher Education Programs: An &quot;outsider - within&quot; Perspective</td>
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Break and Poster Viewing — 10:00 — 10:30 a.m.; 11:45 a.m. — Noon; and 1:30 — 2:00 p.m.

Poster presenters will be available during this time to answer questions.

Linsay Zarick, Marywood University - Positive Reinforcement to Encourage Behavior Management and Academic Achievement

Jintana Steinman, Marywood University - Late Effect of Alzheimer's in elderly age 65 and older

Kathleen Uhranowsky, Marywood University - The effects of structured orientation programs on job satisfaction and longevity among clinical research coordinators

Viola Henning, Marywood University - The Effects of Internet Technologies on the Outreach Efforts of Scranton Non-Profits in 2012

Melissa Keller, University of Scranton/TCMC - Biophysical Studies of Cell-trafficking Intermediates of Human Cathepsin D found in Breast Cancer Tissue

Joe Wahy and John Suda, Marywood University - When Pigs Fly | A House for Duncan and Nugget

Shivani Pandya, University of Scranton/TCMC - Overexpression of Inactive Cathepsin D in Various Mammalian Celllines and the Effect of its Catalytic State on Enzyme Maturation

Luyu Liu, University of Scranton/TCMC - Secondary Structure, Thermal Stability and Binding Characteristics of Cell-Trafficking Intermediates of Inactive Cathepsin D

Jenna Fancher, University of Scranton/TCMC - Polymorphism in Cathepsin D and Juvenile Dementia – Biophysical Approaches for Novel Clinical Intervention

Kevin Tuffy and Brandon Golden, University of Scranton/TCMC - Production of human cytoskeleton-associated protein 4 in insect cells infected with a baculovirus expression factor

Christina Matika, University of Scranton/TCMC - Binding of antiproliferative factor to cytoskeleton associated protein 4 detected by a surface plasmon resonance


Ashlee A. Dougher, The Commonwealth Medical College - Design of a modular molecular device for the delivery of synapse modifying proteins

James Hadsell, M.S., The Commonwealth Medical College - Role of Actin Filament Associated Protein 1 in Mammary Gland Development and Lactation

Theresa Romaldini, PharmD Candidate 2012, Wilkes University - Randomized trial of sodium bicarbonate versus normal saline in preventing acute kidney injury in cardiac surgery patients.

JoAnne Jakubowski, Marywood University - Improving the Pain Levels of Terminally Ill Patients through Hospice Care in Nursing Homes

Ohud Alkrithy, Marywood University - Reasons that Uninsured Children are Prevented from Joining Public Health Programs

Andrew Wolak, Marywood University - In long term care services, how effective does assisted living provided the care, activities, and medical support for Alzheimer’s patients in Scranton, PA in 2010

Ryan Rempe, Marywood University - The Effects of Marcellus Shale Drilling
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<tr>
<td>10:30</td>
<td>Jane Wakahi, Ph.D., Marywood University</td>
<td>Mentoring: A Model for Cultivating A Leadership Competencies in African Women Leaders</td>
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<td>10:45</td>
<td>Bo Hoban, Marywood University</td>
<td>Discovering Operational Efficiencies: An Evaluation of the Advocacy and Community Mental Health Services Department at the Advocacy Alliance as of 2011.</td>
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<td>11:00</td>
<td>Jamie Valis and Dr. Tonya Saddler, Marywood University</td>
<td>Socialization to Higher Education Administrative Roles: A Qualitative Exploration of the Internship in Higher Education Experience in Preparing Master’s and Doctoral Students for Careers in Higher Education</td>
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<td>11:15</td>
<td>Dr. John N. Mellon, Ed.D., CFSC, CDEP, Misericordia University</td>
<td>Dissecting International Business Decorum for Sales Success</td>
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<td>10:30</td>
<td>Karen Rampulla, Marywood University</td>
<td>Benevolent and Hostile Sexist Attitudes among MSW students</td>
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<td>10:45</td>
<td>Chelsea Natarian, Marywood University</td>
<td>Effectiveness of Nutrition Education Programs in Helping to Prevent and Treat Childhood Overweight and Obesity</td>
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<td>11:00</td>
<td>Stephen L. Broskoske, Ed.D., Misericordia University</td>
<td>Improving Wiki Pedagogy in Higher Education</td>
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<td>11:15</td>
<td>Dr. John A. Arnott and Tom Nowakowski, The Commonwealth Medical College</td>
<td>Ets-1 is required for CTGF/CCN2 induction by TGF-b1 in primary osteoblasts</td>
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<td>Dr. Jessica Bachman, Marywood University</td>
<td>Does Eating More Frequently Increase Weight Loss During a Behavioral Weight Loss Intervention?</td>
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<td>10:45</td>
<td>Zhong Geng, Marywood University</td>
<td>Building A Knowledge Base for Online Databases—A Key to Students’ Academic Success</td>
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<td>11:00</td>
<td>Dr. Kingsley Banya, Misericordia University</td>
<td>The Issue of Quality Assurance in Higher Education</td>
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<td>11:15</td>
<td>Mindy Gordon and Dr. Anthony Liuzzo, Wilkes University</td>
<td>“360° Feedback: History, Implementation, Benefits, and Concerns”</td>
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**Poster Viewing, Exhibits, and Networking**

10:00—10:30 am; 11:45 a.m.—12:00 p.m. and 1:30—2:00 pm
Poster presenters and exhibitors will be available during this time to answer questions
Lunch
A lunch buffet will take place from 12:00 — 1:30 p.m. with the keynote speaker at 12:45 p.m. and award presentation 1:20 p.m.

Keynote Speaker Dr. Samuel Quainoo: 12:45 - 1:15 p.m.

Dr. Quainoo is a Professor of Political Science at East Stroudsburg University. He previously, taught at Cornell University, Binghamton University, Morgan State University, and Lafayette College. He also taught and developed Study Abroad courses in Ghana and Oxford University. He established the Frederick Douglass Institute at East Stroudsburg University and was its first director for the first eight years, serving as well on the executive board for the Statewide Frederick Douglass Collaborative. He has published two books; Transition and Consolidation of Democracy...Global Academic Publishing, Binghamton University Press 2000, and Africa Through Ghanaian Lenses, Global Academic Publishing, Binghamton University Press, 2004. Forthcoming books include Africanisms in the African Diaspora, and Globalization and its Impact on National Policies.

Awards
Awards honoring outstanding research endeavors will be announced from 1:20 — 1:30 p.m. The Best Paper Award and Best Student - Faculty Research Award are judged on clarity and organization of expression, rigorous thought and research, and relevancy to and recommendations for improving quality of life.

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Poster and Exhibits Open from 8:00 a.m. — 3:30 p.m.

Poster Viewing, Exhibitors, and Networking
10:00 — 10:30 a.m., 11:45 — 12:00 p.m.; and 1:30 pm — 2:00 p.m.

Poster presenters and exhibitors will be available during these time to answer questions.

Workshops Session 1 — 2:00 — 2:45 p.m.
Presentations will last 30 minutes with an additional 15 minutes for Q&A.

**Room A**
Dr. Joseph Polizzi: Fulbright Scholar Campus Representative Workshop

**Room B**
Mr. Kurt Bauman, MPA: Nonprofit Leadership

**Room C**
Mr. Kenneth Luck, M. A.: Publish your Book

Workshops Session 2 — 2:45 — 3:30 p.m.
Presentations will last 30 minutes with an additional 15 minutes for Q&A.

**Room A**
Ph.D. Candidate Bill Miller: Surviving the Dissertation

**Room B**
Ms. Heather Gazella, MPA: Grant Writing

**Room C**
Ms. Annette Fisher, MPA: Library Research

Exhibitor

Penn State University Press — Kathleen Scholz-Jaffe
## Workshop Leaders

**Kurt R. Bauman, MBA**  
*Executive Director*  
Northeastern Pennsylvania Nonprofit & Community Assistance Center  
*Government Services Manager*  
Northeastern Pennsylvania Alliance

Mr. Bauman provides leadership and oversight to a variety of community and economic development initiatives including the management of a nonprofit resource center, the NEPA Grantmakers initiative and the Pennsylvania Energy Partnership (PEP) program.

**Annette M. Fisher**  
*Associate Professor and Information Literacy Librarian*  
Marywood University

Besides coordinating information literacy classes for all levels of instruction, Annette directs the First Wednesday at the Library series as well as the judging for the English 160 Writing Award for effective use of library research.

**Heather Gazella**  
*Contract & Grants Specialist*  
Office of Research & Sponsored Programs at Lehigh University

Heather is a graduate of Marywood University with a M. in Public Administration (2011), and a B.A. in Communication Arts (2008). She has more than 5 years’ experience in federal and foundation grant writing and submission.

**Kenny Luck, M.A.**  
*Author*  
A graduate of Marywood University, Luck holds a Bachelor’s Degree in Political Science and a Master’s Degree in Education. His published work includes: *Thumbing Thorough Thoreau* (2010) and *NEPATIZED!* (2011). Luck has taught writing and composition, was voted “Best Author” 2010 by Electric City readers, and works in public relations and new media.

**Bill Miller**  
*Ph.D. Candidate*  
Mr. Miller’s Biography was not available at the time of print.

**Dr. Joe Polizzi**  
*Assistant Professor*  
Education Department, Marywood University

Joe holds a Ph.D. from the Pennsylvania State University. He was a Fulbright Exchange Teacher to Hungary in 2000-2001 and is currently the Treasurer of the Philadelphia, Delaware Valley Fulbright Chapter and the Fulbright Campus Representative at Marywood.
About the Academic Advisory Council of The Institute for Public Policy & Economic Development

The Academic Advisory Council is comprised of educators from The Institute for Public Policy & Economic Development’s nine partner institutions.

The Academic Advisory Council (AAC) convenes quarterly to discuss key academic planning and developing, as well as examine economic perspectives of academic policies and initiatives. The AAC actively analyzes and sponsors research programs and objectives.

Current council members include Alexander Dawoody, Ph.D, Chairman, Marywood University; Steven Jones, Ph.D of the University of Scranton; Terry Clemente, M.B.A. of Penn State/Wilkes-Barre; Thea Harrington, Ph.D, of Keystone College; Ted Engel, M.B.A of Wilkes University; Daniel Flynn, Ph.D of The Commonwealth Medical College; Gary Mrozinski, Ph.D of Luzerne County Community College; Joseph Rish, J.D. of Kings College and Bernadette Rushmer, M.B.A of Misericordia University.

The AAC was formed in 2005 and operates as a committee under The Institute for Public Policy & Economic Development, a collaborative applied research center.

The mission of The Institute is to assist in the revitalization of communities, counties, states, non-profits, and business and industry through the utilization of our expertise and resources, including member universities, colleges, and their respective faculty and students. The Institute provides research, consultation, and strategic direction to clients solving a variety of challenges while harnessing opportunities.

The 2011 Faculty Research symposium is hosted by:

Marywood University

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