PACT 2011 Fall Conference
Faculty/Staff/Student Presentations Schedule

For more information on the breakout sessions and poster presentations, please see the session abstracts on the following pages.

Sessions	Speakers/Topics
Session 1: Symposia/Workshop **9:00AM to 9:45AM**	**Ford, Ko, Kang, Machovina, Mintmier, Owens, Ford & Williams-Young-** *Undergraduate Research in Biomass Utilization at IUP* (Symposium)
	Machado, Laverick, Sobolak, & Muchtar- *Putting Students First: Responding to Student Learning Needs, Curriculum Evaluation, and Program Development through Four Scholarships of Teaching and Learning Projects* (Symposium)
	Palumbo & Papakie- *The Reflective Practice Project* (Workshop)
Session 2: Papers **11:00AM to 11:20AM**	**Hwang & Bowers**- *The Influence of IUP Students' Involvement in Social Networks to Teaching and Learning* (Brief Paper)
	Jozefowicz & Brewer- *Ten Years of Learning by Doing: The Benefits of Undergraduate Research for IUP Economics Students* (Full Paper)
	Su- *Preparing Students as Socially-Responsible Global Citizens through Fashion Merchandising Courses* (Brief Paper)
Session 3: Panels **11:30AM to 11:50AM**	**Dories, Branco, Messekher & Ou-** *Highlighting the International Student Experience*
	Swauger, Hildebrandt, Blache-Cohen & Kahle- *Global Service Learning as Student-Centered Teaching*
	Villa, Stilwell & Black- *Undergraduate Interns in Liberal Studies Classes: A "Win/Win" for Students and Faculty*
Poster Presentations **Can be viewed during breaks: 9:45AM to 10:00AM OR 11:20AM to 11:30AM**	**Anthony-** *Enhancing Career Development by Connecting Students and Alumni* **Defelice & Smith-** *IUP PATH Lab: Services Generated by Students for Students* **Irani, Cebula & Rocco-** *Effect of Mycobacterium avium Serovar-2 and Serovar-8 Specific Glycopeptidolipids on Modulation of Host Macrophage Immune Responses* **LaPorte, Longacre & Kukula -** *Students in the University Senate* **Leidman & Keppel-** *Digital Natives v. The Faculty: Changes in Pedagogy for the 21st Century* **Norwood & Motycki-** *The Impact of Participation in a Learning Community: Crimson Connections* **Turner & Oakes-** *PACERS: Helping Students Keep Up the Pace at IUP* **Wick-** *Students Working in the IUP Special Collections/University Archives*

Session Abstracts

Session 1:

- **Ford, Ko, Kang, Machovina, Mintmier, Owens, Ford & Williams-Young -** *Undergraduate Research in Biomass Utilization at IUP* (Symposium)
    - No long-range energy and materials resource plan can be complete without including biomass utilization. Biomass is the total amount of living material in a given habitat and is frequently used to refer to renewable organic material, such as wood, agricultural crops, and municipal and agricultural wastes. Although the exact composition varies according to source, generally, biomass consists of approximately 40% cellulose, 30% hemicellulose, and 20% lignin. Since 2006, undergraduate researchers have participated in a research program led by faculty in the IUP Chemistry Department directed at developing more effective, biologically-derived approaches to manipulate cellulose, the largest single component of biomass.
- **Machado, Laverick, Sobolak & Muchtar -** *Putting Students First: Responding to Student Learning Needs, Curriculum Evaluation, and Program Development through Four Scholarships of Teaching and Learning Projects* (Symposium)
    - This symposium showcases the work of six faculty members who have used the Scholarship of Teaching and Learning Model as a vehicle to engage students and each other in more active, collaborative, and reflective learning and, in doing so, provided their undergraduate and graduate students with the opportunity to experience empirical research in action. Data analysis is underway. The authors will share the design of each study, preliminary findings, and provide information on how the findings will be used to inform curriculum development, instruction, and assessment at Indiana University of Pennsylvania, and their own scholarship in the future.
- **Palumbo & Papakie -** *The Reflective Practice Project* (Workshop)
    - The purpose of this workshop is to introduce IUP's Reflective Practice project to PACT Conference participants. RP is a campus-wide effort, sponsored by the Center for Teaching Excellence, designed to help faculty members improve their teaching. By hosting monthly meetings, workshops and teaching circles, members of RP share "good talk about good teaching" on a continual basis. Reflective Practice encourages faculty to consistently play an active role in the university's mission to engage students as active learners and leaders; to put students first; and to provide them with opportunities to succeed in their academic careers. The workshop will include a brief overview of RP and will feature hands-on activities designed to illustrate how the program promotes more effective teaching on the IUP campus. Presenters will demonstrate how RP's collaborative, cross-disciplinary activities remind us all what it's like to be lifelong learners.

Session 2:

- **Hwang & Bowers**- *The Influence of IUP Students' Involvement in Social Networks to Teaching and Learning* (Brief Paper)
    - Higher education institutions are on a continuous search for creating knowledge and educating students. It is important to understand students' backgrounds and their attitudes toward both academic and social life to engage a group of students. It varies from generation to generation how students interact with peers and immerse themselves within education. The purpose of this study is to identify the impact of social media at Indiana University of Pennsylvania and the strategies for using it in a constructive way. It aims to investigate the use of social media in the real settings of higher education to gain understanding of the complexity of this issue and find out how we can define the seven principles operationally so as to appropriate for traditional and online classrooms. To make a meaningful impact on student learning, it is important that faculty understand net generation students' changing values, needs, behaviors, and the way they learn.
- **Jozefowicz & Brewer-** *Ten Years of Learning by Doing: The Benefits of Undergraduate Research for IUP Economics Students* (Full Paper)
    - This paper reports on a student-focused comprehensive research project integrated in undergraduate introductory econometrics classes at IUP. Since 2000, approximately 135 IUP undergraduate students have completed these research projects. The assignment requires each student to conduct empirical research on a topic of his/her

choice, write a formal paper formatted like a scholarly journal article, and give an oral presentation of the findings to the class. As a result of this project, students gain hands-on experience applying econometric techniques to real economic data and learn how to conduct independent research. The multiple benefits of the assignment for the professional development of IUP students as they apply for jobs and graduate school admissions are discussed in the context of the IUP mission statement.

- **Su-** *Preparing Students as Socially-Responsible Global Citizens through Fashion Merchandising Courses* (Brief Paper)
    - The globalization, culture awareness, and social responsibility reflected in this paper are three important themes of US higher education. The fashion industry, which is global in nature, includes all of the activities of the textile-apparel complex as well as the functions of distribution, marketing, and retail operations to the end users/consumers. Each stage of the fashion supply chain reflects the relationship among environment, product, and people. Recognizing the importance of the effects of culture and social responsibility on global fashion supply chain, we integrate several teaching strategies in fashion merchandising courses. We believe our teaching efforts will enhance IUP students' global business capabilities, raise awareness for worldwide cultures and social responsibility and broaden the opportunity for success in their future careers.

Session 3:

- **Dories, Branco, Messekher & Ou-** *Highlighting the International Student Experience*
    - In this presentation, the IUP Office of International Education will highlight the value of the international student experience at IUP. The panel will feature three international students sharing stories of how they came to IUP, challenges they faced with cultural adjustment and opportunities they have had while here at IUP. We hope to demonstrate to the attendees the need to continue to bring international students to the PASSHE system and to find ways to expand the relationship between domestic and international students.
- **Swauger, Hildebrandt, Blache-Cohen & Kahle-** *Global Service Learning as Student-Centered Teaching*
    - Panelists will share their experiences developing and implementing faculty-led intercultural service learning programs. IUP Sociology faculty, in conjunction with Amizade, a global service learning non-profit organization, have traveled with students to learn and serve in Petersfield, Jamaica, the Navajo Nation, and soon Santarem, Brazil. The panel members will focus on four aspects of program development and implementation: partnering with community-based organizations, administration and financial management, faculty/student benefits, and the student perspective. In alignment with the theme of this conference, "Students First," we illustrate how intercultural service learning programs move traditional learning from the classroom to community and foster mutually-enriching relationships across cultural boundaries. While immersed in the community, we emphasized academic learning, service, and critical reflection which increased students' active leadership roles at the university, in their own communities, and global society.
- **Villa, Stilwell & Black-** *Undergraduate Interns in Liberal Studies Classes: A "Win/Win" for Students and Faculty*
    - A decade ago, as we began to see a shift in PA's economy, we began reassessing our pedagogical goals for students in both our required LBST classes and in our major (English). We considered how well we were preparing students for entry-level employment, paid internships in the corporate world, and post-secondary education and teaching opportunities. Recognizing that we needed to do more in order to provide opportunities for our majors to become increasingly competitive, we addressed student need by creating and piloting a credit-bearing, in-house, department-wide internship program called "Professors and Associates Collaborating on Teaching" (PACT). Our intent was to expand the options available to students in our existing English Department Internship Program, which Judith Villa, one of our panel participants, directs. Our panel participants will explain our program, its positive outcomes for both students and professors, answer questions, and provide a packet of handouts to panel participants.

Poster Presentations:

- **Anthony-** *Enhancing Career Development by Connecting Students and Alumni*
    - IUP's Career Development Center and the Office of Alumni Relations have partnered to create events at which alumni and students can network and create leads for internships and job hunting. "RoadTrip IUP," modeled after the PBS series "RoadTrip USA," is a one-hour documentary in which three IUP students interviewed six alumni in New York City, Philadelphia and Washington DC about their careers.
- **Defelice & Smith-** *IUP PATH Lab: Services Generated by Students for Students*
    - The Project Assignment and Technology Help (PATH) Lab is fast becoming an in-demand student service. Conceptualized and started a little over a year ago, this initiative is an example of what is achievable by students for students. For example, by incorporating the input and ideas of graduates and undergraduates alike, as well as PATH staff (who are all IUP students), the lab utilizes multiple approaches to providing assistance with computer literacy. In one year's time, this lab has gone from piloting software-based assistance to students on campus to formulating and disseminating practical, targeted services. Interactive software workshops, opportunities for group collaboration and individualized tutoring, are core components to the lab's success. As the PATH Lab expands, the opportunities for dynamic integration continue to present themselves on IUP's campus.
- **Irani, Cebula & Rocco-** *Effect of Mycobacterium avium Serovar-2 and Serovar-8 Specific Glycopeptidolipids on Modulation of Host Macrophage Immune Responses*
    - *Mycobacterium avium* is a common cause of disseminated infection in individuals suffering from AIDS. Studies have demonstrated an association of *M. avium* cell wall, i.e. the serovar specific glycopeptidoloipids (ssGPLs), with the infection process. In this study, we are establishing the role of the ssGPLs of *M. avium* serovar-2 and 8 in the modulation of IL-10 and TNF-α production by macrophages (mΦs) infected with *M. avium*. This was achieved by comparing IL-10 and TNF-α produced by J774A.1 murine mΦs infected by the two *M. avium* wild-type serovars (serovar 2 and 8) and their serovar-null mutants. The resulting effect on bacterial survivability (CFU counts) within the mΦ was studied. Data gathered from this study of two pathogenic *M. avium* serovars will help us determine the role of the *M. avium* ssGPLs in modulation of host mΦ cytokine production, phagosome-lysosome fusion, and bacterial survival, thus aiding our understanding of this insidious pathogen.
- **LaPorte, Longacre & Kukula-** *Students in the University Senate*
    - This presentation will showcase the student senators who take part in the shared governance of the university. Along with active participation on University Senate committees, student senators vote at all Senate meetings. The Senate's commitment to student participation is evident in the fact that the vice chair of the University Senate must be a student according to the bylaws.
- **Leidman & Keppel-** *Digital Natives v. The Faculty: Changes in Pedagogy for the 21st Century*
    - There exists a primary difference between early adopters and laggards which is often related to the generational gap between the individual and the technology. A prime example of this phenomenon exists between college students and faculty. For instance, professors have to make an adjustment to their pedagogy in order to engage the average college student of today. The availability of outside Internet-based resources such as YouTube and Facebook also find a home in the 21st century college classroom. The purpose of this presentation is to open academic discussion about the needed changes in classroom pedagogy in order to recognize that students need to be engaged, and the necessary methodologies have changed the classroom climate forever. It will include an examination of characteristics, as well as a visual representation, comparing and contrasting digital natives, their professors and the chasm which exists between them.
- **Norwood & Motycki-** *The Impact of Participation in a Learning Community: Crimson Connections*
    - The Crimson Connections Learning Community was designed as a means of providing support to a select population of students as they became members of the IUP community. The program provided students who were exploring majors with a shared experience, strived to blend the academic and residential experience, and served to ease the transition from high school to college academically and socially with an emphasis on career development. The purpose of this study was to explore how students' participation in the learning community impacted their academic success and their retention to the sophomore year. The program was initially a collaborative effort of the Colleges of Fine Arts and Health & Human Services. The College of Humanities and Social Sciences will join the program in AY 2011-2012.

- **Turner & Oakes-** *PACERS: Helping Students Keep Up the Pace at IUP*
    - PACERs (Peer Assisting Community Education of Residents) are members of the Office of Housing and Residence Life. The main responsibility of a PACER is to help new and transfer students, who live in the residence halls, adapt to the university community and succeed in meeting their educational goals. PACERs have successfully made the transition into the college environment and provide first-year/transfer students with advice and resources on academic and educational expectations of college. Each PACER is assigned a living/learning community and is responsible for holding regular meetings and workshops to provide students with the necessary skills to successfully adjust to college.
- **Wick-** *Students Working in the IUP Special Collections and University Archives*
    - This presentation will incorporate photographs and interviews of students who have worked in the Special Collections and University Archives, which serves as the institutional memory of IUP. The poster session will highlight successful student projects and accomplishments over the past three years. I have made a conscious effort to develop opportunities for students who want to pursue a career in archives, librarianship, and public history. Students from many disciplines have worked in the department and gained practical hands-on experience working with primary sources, archival collections, and rare books. Some students have continued their education in public history and are employed by archives, libraries, historical societies, and museums.