57th Annual International Conference
October 4 - 7, 2017
The Courtyard Philadelphia Downtown Marriot
Philadelphia, Pennsylvania

Higher Education 3.0: Educating Generation Next

Conference Program
PREFACE

Welcome to the 57th Annual Conference for the International Association for Computer Information Systems and to Philadelphia, Pennsylvania, a fun and historical city to visit.

This year’s theme, Higher Education 3.0: Educating Generation Next was embraced by this year’s authors with presentations discussing higher education policy, leadership, and practice; user-generated education models and practices; building industry-specific knowledge and skills; and as other important topics, such as cyber curricula IT globalization; information management; big data; harnessing social media; MIS instruction’ IT globalization; and many more.

Papers selected for publication in Issues in Information Systems (IIS) can be accessed online at http://www.iacis.org/iis/iis.php

IIS is a double blind refereed, serial journal publication of IACIS that is registered with the US Library of Congress (ISSN 1529-7314) and listed in the Eighth Edition of Cabell’s Directory of Publishing Opportunities in Management and Marketing. Accepted paper publications appear in IIS. Accepted abstracts and panels appear in the Conference Proceedings and are found at http://iacis.org/conference/conference.php.

The IACIS board members would like to take this opportunity to thank you for contributing to the 57th Annual IACIS Conference, and for your continued support. We look forward to lively and meaningful presentations, discussions, and collegial networking.

SAVE THE DATE

Join us next for the

58th Annual IACIS Conference

October 3 - 7, 2018
Clearwater Beach Marriott Suites on Sand Key,
Clearwater Beach, Florida

The IACIS 2017 Conference Program is an official publication of the INTERNATIONAL ASSOCIATION FOR COMPUTER INFORMATION SYSTEMS
IACIS EXECUTIVE BOARD & MEMBERS

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   Conference Chair
IACIS Secretary & IIS Editor           Joanna Paliszkiewicz

ACKNOWLEDGEMENTS

We would like to express our appreciation to the Taylor & Francis team for their year-round support of the conference.

AWARD RECIPIENTS

This symbol next to the title of a presentation in the conference schedule designates an award recipient.
# PROGRAM OVERVIEW

## Wednesday, October 4, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:00 - 8:00 p.m.</td>
<td>Registration</td>
<td>Juniper</td>
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<tr>
<td>6:00 - 8:00 p.m.</td>
<td>Welcome Reception</td>
<td>Juniper</td>
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## Thursday, October 5, 2017

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00 a.m. - 4:00 p.m.</td>
<td>Registration</td>
<td>Foyer</td>
</tr>
<tr>
<td>7:00 - 8:30</td>
<td>Breakfast</td>
<td>Juniper</td>
</tr>
<tr>
<td>8:00 - 8:30</td>
<td>Welcome &amp; Introductions</td>
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<tr>
<td>8:40 - 9:40</td>
<td>Concurrent Paper Sessions</td>
<td>Washington Rittenhouse Logan Salon 3</td>
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<td>9:50 - 10:50</td>
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<td>Washington Rittenhouse Logan Salon 3</td>
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<tr>
<td>10:50 - 11:10</td>
<td>Networking Break</td>
<td>Foyer</td>
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<tr>
<td>11:10 - 12:10</td>
<td>Concurrent Paper Sessions</td>
<td>Washington Rittenhouse Logan Salon 3</td>
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<tr>
<td>12:10 - 1:30</td>
<td>Networking Lunch</td>
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<td>1:30 - 2:30</td>
<td>Concurrent Paper Sessions</td>
<td>Washington Rittenhouse Logan Salon 3</td>
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<tr>
<td>2:30 - 2:50</td>
<td>Networking Break</td>
<td>Foyer</td>
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<td>2:50 - 3:50</td>
<td>Concurrent Paper Sessions</td>
<td>Washington Rittenhouse Logan Salon 3</td>
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<td>4:00 - 4:30</td>
<td>JCIS Editorial Board Meeting</td>
<td>Salon 3</td>
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<tr>
<td>6:00 - 9:00 p.m.</td>
<td>Fun Night</td>
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<tr>
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<td>Registration</td>
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<tr>
<td>7:00 - 8:30</td>
<td>Breakfast</td>
<td>Juniper</td>
</tr>
<tr>
<td>8:20 - 8:30</td>
<td>General Announcements</td>
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<tr>
<td>8:40 - 9:40</td>
<td>Concurrent Paper Sessions</td>
<td>Washington Rittenhouse Salon 2</td>
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<td>Washington Rittenhouse Salon 2</td>
</tr>
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<td>10:50 - 11:10</td>
<td>Networking Break</td>
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<tr>
<td>11:10 - 12:10</td>
<td>Concurrent Paper Sessions</td>
<td>Washington Rittenhouse Salon 2</td>
</tr>
<tr>
<td>12:20 - 2:20</td>
<td>Business Luncheon &amp; Awards</td>
<td>Juniper</td>
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<tr>
<td>2:30 - 3:30</td>
<td>Concurrent Paper Sessions</td>
<td>Washington Rittenhouse Salon 2</td>
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<tr>
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<td>Concurrent Paper Sessions</td>
<td>Washington Rittenhouse Salon 2</td>
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<tr>
<td>11:00 - 11:45</td>
<td>Conference Debriefing</td>
<td>Salon 2</td>
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</table>
IACIS RECOGNITION AWARDS
OVERVIEW

Each year IACIS recognizes a number of individuals who have made significant contributions to Information Systems and related fields through scholarship, research, publication, curriculum and program development, and service with the awards below.

**Computer Educator of the Year**

The Computer Educator of the Year is the highest award given by the Association, and competition for the award is keen. Candidates show exceptional research and teaching skills, have made significant contributions to IS and IS education, and enjoy a national or international reputation for their outstanding work throughout the IS community. Recent recipients have included curriculum innovators, leaders in the field of artificial intelligence and IS management, and publishers of learning materials that have significantly impacted the IS educational community. Nominations for the Computer Educator of the Year are accepted from September until March, with selection made in June or July for awarding at the annual conference in the fall.

**Ben Bauman Award for Excellence**

Ben Bauman was a long time member, officer, Director and contributor to IACIS, and a member of the faculty at James Madison University. Ben made it his life's work to contribute to his profession and university, and to mentor junior faculty and help them realize their potential. He passed away suddenly, and in recognition of his years of service and contributions, IACIS has established an annual award in his honor.

The Ben Bauman Award for Excellence recognizes faculty excellence and service. Candidates for the Ben Bauman Award include senior faculty with significant service to their profession, university, and community. Service would include taking a leadership role in professional organizations, assuming significant committee responsibilities and serving the community through civic, church and other activities. While research and scholarship are important activities for all faculty, the major emphasis when reviewing senior faculty nominations for the Ben Bauman Award will be on reviewing their significant and long-term service.

A second category of candidates includes junior faculty showing outstanding scholarship, service, and great promise. It is expected that candidates in this category will not have a long record of scholarship and service, but will have recognizable achievements. The major emphasis when reviewing junior faculty nominations for the Ben Bauman Award will be on the candidate's potential and promise for a significant academic career.
Nominations are accepted for both junior and senior faculty, with one candidate from all nominations selected each year to receive the award. Nominations for the Ben Bauman Award for Excellence are accepted from September until March, with the selection made in June or July for awarding at the annual conference in the fall.

**Jay Liebowitz Outstanding Student Research Award**

The Jay Liebowitz Outstanding Student Research Award is an annual award recognizing the outstanding student research paper submitted to the IACIS Annual Conference. While the paper may include co-authorship with other students and/or faculty, the research reported must be based on a student-initiated project. Criteria evaluated will include: (1) contribution of the research to the existing literature; (2) research methodology, data collection, and analysis; (3) lessons learned; and (4) clarity of writing and presentation. Selection of the outstanding paper is made by a committee consisting of the President, Executive Director, and Immediate Past President of IACIS. The award includes a modest honorarium and recognition in the conference program. The presentation is made at the annual IACIS International Conference.

**Best Conference Pedagogy Paper**

An award for the best paper treating pedagogical issues is awarded at the annual conference. The paper is selected from those submitted for presentation at the conference. The Conference Chair has the responsibility for making the selection and presents the award at the annual conference in the fall. There is no nomination for this award, and all papers accepted for presentation at the conference are candidates.

**Best Conference Research Paper**

An award for the best paper addressing pedagogical issues is awarded at the annual conference. The paper is selected from those submitted for presentation at the conference. The Conference Chair has the responsibility for making the selection and presents the award at the annual conference in the fall. There is no nomination for this award and all papers accepted for presentation at the conference are candidates.
2017 IACIS RECOGNITION AWARD
RECIPIENTS

2017 Computer Educator of the Year

Suhong Li

Professor Li has been a member of the Bryant University, Smithfield, RI faculty since 2001. During her time at Bryant, Dr. Li has received the Teaching Merit Award, the Research Merit Award (twice), the Outstanding Research Award, and several conference best paper awards.

She has authored almost 40 scholarly publications and over fifty conference proceedings.

Her conference participation includes over 50 referred presentations and several invited presentations in both the United States and Asia. For many of the conferences, she also served as a track chair, session chair, and panel co-organizer or discussant.

Dr. Li has served on numerous committees while at Bryant University, including the AACSB Assurance of Learning Steering Committee, the AACSB Assessment Steering Committee, and the Curriculum Committee. She has also collaborated with overseas universities to establish a joint degree program.

Her career also includes notable service, such as serving as an Associate of the Teradata Advisory Board, School Council Member, and serving on the Rhode Island Association of Chinese Americans Scholarship Committee.

Professor Li is a SAP Certified Associate, Certified SAP ERPsim instructor and Certified Teradata Professional. She has attended numerous SAP and Teradata training workshops and has participated in many on campus faculty development programs. She is on the Editorial Board of several journals and serves as a reviewer for more than a dozen journals and scholarly publications.

Professor Li has a remarkable record of scholarship, teaching, and service, and we congratulate her on receiving the 2017 Computer Educator of the Year Award.
Wenying "Nan" Sun has been a faculty member at Washburn University, Topeka, Kansas, for the past fifteen years. During this time, she has worked closely with her Washburn Computer Information Sciences students, helping them sharpen their research and writing skills, as well as guiding their overall academic development.

Prior to joining the faculty, she worked as a programmer/analyst at the Kansas Foundation for Medical Care and an applications specialist for the Topeka Public Schools. She is a Certified Software Development Professional and earned her Ph.D. from the University of Kansas.

In addition to working closely with students in various research projects, Professor Sun has been a prolific researcher and writer. She has published almost forty referred technical and research papers in journals and conference proceedings and has made conference presentations throughout North America.

Professor Sun has had a significant and positive impact on her students over the years, has contributed to Information Technology education through her many conference presentations and scholarly publications, and has advanced Information Technology knowledge through her numerous research projects. Her extensive work with students supports the IACIS mission of developing knowledge and skills of Information Systems and technology professionals.

We congratulate Wenying “Nan” Sun as the recipient of the 2017 Ben Bauman Award for Excellence award.
<table>
<thead>
<tr>
<th>Award</th>
<th>Title</th>
<th>Authors</th>
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</table>
| Jay Liebowitz Outstanding Student Research Award | **PERCEPTION OF DIGITAL SURVEILLANCE: A COMPARATIVE STUDY OF HIGH SCHOOL STUDENTS IN THE U.S. AND CHINA** | Benjamin Zhang, Topeka High School  
Harry M. Peterson, Jr., Topeka High School  
Wenying Sun, Washburn University |
| Best Paper Award – Pedagogy                | **NO STUDENT IS AN ISLAND: DEGREDATION OF INSTRUCTOR PRESENCE IN THE MULTI-SITE IS CLASSROOM** | Thomas Lombardi, University of the Virgin Island  
Matthew North, Utah Valley University |
| Best Paper Award – Pedagogy, Honorable Mention | **A CONSTRUCTIVE TEAM PROJECT MODEL FOR ONLINE CYBERSECURITY EDUCATION** | Ping Wang, Robert Morris University  
Raed Sbeit, Verizon |
| Best Paper Award – Research                | **A CASE STUDY IN PERSONAL PRIVACY**                                 | James J. Cappel, Central Michigan University  
Vishal Shah, Central Michigan University |
| Best Paper Award – Research, Honorable Mention | **COMMUNICATION IN CYBERSECURITY: A PUBLIC COMMUNICATION MODEL FOR BUSINESS DATA BREACH INCIDENT HANDLING** | Ping Wang, Robert Morris University  
Sun-A Park, Robert Morris University |
Thursday, October 5, 2017

8:00 a.m. - 4:00 p.m.  Registration  Foyer
7:00 - 8:30 a.m.       Breakfast       Juniper
8:00 - 8:30 a.m.       Welcome & Introductions  Juniper

Thursday, October 5, 8:40 - 9:40 a.m.

**Innovating Workplace Readiness**

**INFUSING ENTREPRENEURSHIP INTO INFORMATION SYSTEMS USING RASPBERRY PI**
RJ Podeschi
Millikin University
rpodeschi@millikin.edu

**USING HIGH IMPACT PRACTICES TO MEET EMPLOYER 'SOFT SKILL' EXPECTATIONS IN COMPUTER INFORMATION SYSTEMS EDUCATION**
Bruce Saulnier
Quinnipiac University
bruce.saulnier@qu.edu

**INTEGRATING ERP AND BPM TO I.S. CORE IN MBA CURRICULUM: AN INNOVATIVE FRAMEWORK**
Ming Wang
California State University
ming.wang@calstatela.edu
Xihui Zhang
University of North Alabama
xzhang6@una.edu

**Business and IT Management**

**MANAGING HIGH-RISK PROJECT AND IT COMPLEXITY FOLLOWING A CORPORATE RESTRUCTURING**
Kathleen S. Hartzel
Duquesne University
hartzel@duq.edu
William E. Spangler
Duquesne University
spangler@duq.edu

**BUILDING KNOWLEDGE AND SKILLS IN CORPORATE LEARNING AND DEVELOPMENT PROGRAMS: VERIZON CASE STUDY**
Raed Sbeit
Verizon
raed.sbeit@verizonwireless.com

**THE CIO SKILL SET, AND HOW CIO’s OBTAINED THE SKILLS**
Nicholas Ball
Utah Valley University
nicholas.ball@uvu.edu
John Anderson
Utah Valley University
janderson@uvu.edu

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<thead>
<tr>
<th>Time</th>
<th>Room: Logan</th>
<th>Session Chair: Mike Mitri</th>
<th>Room: Salon 3</th>
<th>Session Chair: Debra Borkovich</th>
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<tr>
<td>Thursday, October 5, 8:40 - 9:40 a.m.</td>
<td><strong>E-Learning, Technology for Learning</strong></td>
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<td><strong>Panel: Social Media &amp; Content</strong></td>
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<td>THE USE OF VIRTUALIZATION TECHNOLOGY TO SUPPORT INFORMATION TECHNOLOGY PROGRAMMING COURSES</td>
<td>George Stefanek</td>
<td>THE POLITICAL MASTERY OF TWITTER: EXPLORING CONTEXT COLLAPSE THROUGH SOCIAL MEDIA</td>
<td>Debra J. Borkovich</td>
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<td>Purdue University Northwest</td>
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<td>Robert Morris University</td>
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<td><a href="mailto:stefanek@pnw.edu">stefanek@pnw.edu</a></td>
<td></td>
<td><a href="mailto:borkovich@rmu.edu">borkovich@rmu.edu</a></td>
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<td>A PICTURE TELLS A THOUSAND WORDS: STORY VISUALIZATION USING CORENLP &amp; D3</td>
<td>Mike Mitri</td>
<td>Robert J. Skovira</td>
<td>Robert Morris University</td>
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<td>James Madison University</td>
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<td><a href="mailto:skovira@rmu.edu">skovira@rmu.edu</a></td>
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<td><a href="mailto:mitrimx@jmu.edu">mitrimx@jmu.edu</a></td>
<td>Frederick Kohun</td>
<td><a href="mailto:kohun@rmu.edu">kohun@rmu.edu</a></td>
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<td>THE EDTECH BLOG: LEARNING BEYOND THE CLASSROOM THROUGH SOCIAL SPACES FOR INFORMAL LEARNING</td>
<td>Joseph Rene Corbeil</td>
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<td>The University of Texas Rio Grande Valley</td>
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<td>Maria Elena Corbeil</td>
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Thursday, October 5, 9:50 - 10:50 a.m.

**Mobile Forensics, Cybersecurity, and Databases**

**SECURITY POLICIES AND DATA PROTECTION OF MOBILE DEVICES IN THE WORKPLACE**
Alex Koohang  
Middle Georgia State University  
alex.koohang@mga.edu
Maria Teresa Riggio  
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Joanna Paliszkiewicz  
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joanna_paliszkiewicz@sggw.pl
Jeretta Nord  
Oklahoma State University  
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**CYBERSECURITY VULNERABILITY ANALYSIS VIA VIRTUALIZATION**
Jorge Savaglia  
University of Maryland  
jorge.savaglia@gmail.com
Ping Wang  
Robert Morris University  
wangp@rmu.edu

**REINFORCING DATABASE CONCEPTS BY USING ENTITY RELATIONSHIPS DIAGRAMS (ERD) AND NORMALIZATION TOGETHER FOR DESIGNING ROBUST DATABASES**
Kamal Hingorani  
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khingorani@alasu.edu
Dexter Gittens  
Alabama State University  
dgittens@alasu.edu
Nicolas Edwards  
Alabama State University

**Social Media Implementation & Security**

**AWARENESS OF MALICIOUS SOCIAL ENGINEERING AMONG FACEBOOK USERS**
Kevin Slonka  
Pennsylvania Highlands Community College  
kslonka@pennhighlands.edu

**CYBERSECURITY EDUCATION: USING FACEBOOK’S OPEN SOURCE CAPTURE THE FLAG PLATFORM AS A HANDS-ON LEARNING AND ASSESSMENT TOOL**
Rhonda Chicone  
Kaplan University  
rchicone@kaplan.edu
Tina Burton  
Kaplan University  
tburton@kaplan.edu
Susan Ferebee  
Kaplan University  
sferebee@kaplan.edu

**CHALLENGES OF IMPLEMENTING SOCIAL MEDIA INFORMATION SYSTEMS IN UNIVERSITIES: A REGIONAL STUDY**
Constanta Nicoleta Bodea  
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Gordana Velikic  
RT-RK, Novi Sad, Serbia  
gordana.velikic@rt-rk.com
Radu Ioan Mogos  
Bucharest University of Economic Studies  
mogos.radu@gmail.com
<table>
<thead>
<tr>
<th>Room: Logan</th>
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<tbody>
<tr>
<td>Session Chair: Loreen Powell</td>
<td>Session Chair: Jason James</td>
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**Information Systems in Healthcare**

**PROBLEMS ASSOCIATED WITH PATIENT CARE REPORTS AND TRANSFERRING DATA BETWEEN AMBULANCE AND HOSPITALS FROM THE PERSPECTIVE OF EMERGENCY MEDICAL TECHNICIANS**

Smiliana Cuk  
Georgia Southern University  
hwimmer@georgiasouthern.edu  
Loreen Powell  
Bloomsburg University of Pennsylvania  
lpowell@bloomu.edu

**AUTOMATICALLY CLASSIFYING PUBMED ABSTRACTS AS BENCH OR BEDSIDE**

Daniel McDonald  
Utah Valley University  
dmcdonald@uvu.edu  
Michelle Aston  
Utah Education and Telehealth Network  
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**EVALUATION OF PREDICTIVE ANALYTIC TECHNIQUES IN HEALTHCARE RESEARCH: A PRISMA STYLE REVIEW**

Hayden Wimmer  
Georgia Southern University  
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Carl Rebman Jr.  
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Queen Booker  
University of Louisiana Monroe  
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**Higher Education: Meeting Market & Student Needs**

**DEVELOPING A NEW BUSINESS ANALYTICS DEGREE PROGRAM TO MEET MARKET NEEDS AND STATE APPROVAL**

Jensen Zhao  
Ball State University  
jzhao@bsu.edu  
Melody Alexander  
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Allen Truell  
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**GENERATIONS Y AND Z: ARE INSTITUTIONS OF HIGHER EDUCATION EQUIPPED TO ATTRACT AND EDUCATE THEM?**

Mahesh Vanjani  
Texas Southern University  
vanjanim@tsu.edu

**THE CYBERSECURITY STUDENT CAREER PATH: WHICH ONE IS RIGHT FOR ME?**

Jason James  
Robert Morris University  
jejst243@mail.rmu.edu

<p>| 10:50 - 11:10 a.m. | Networking Break ............................................. Foyer |</p>
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<thead>
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<th>Room: Washington</th>
<th>Room: Rittenhouse</th>
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<tbody>
<tr>
<td><strong>Session Chair:</strong> Thilini Ariyachandra</td>
<td><strong>Session Chair:</strong> Allen Truell</td>
</tr>
</tbody>
</table>

### IT Innovations in Business

**INFORMATION TECHNOLOGY, SERVICE QUALITY, AND CUSTOMER SATISFACTION**

- Hai Records
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- Suhong Li
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- Robert Behling
  - Arrowrock Industries
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**WHY IS WECHAT PAY SO POPULAR?**

- Linwu Gu
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- Jianfeng Wang
  - Indiana University of Pennsylvania
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**THE INFLUENCE OF AUGMENTED REALITY ON RETAIL PRICING**

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- Thilini Ariyachandra
  - Xavier University
  - ariyachandrat@xavier.edu
- Mark Frolick
  - Xavier University
  - frolick@xavier.edu

### Enhancing and Assessing Student Learning

**A TOOL FOR PERFORMING ITEM ANALYSIS TO ENHANCE TEACHING AND LEARNING EXPERIENCES**

- Xue Bai
  - Virginia State University
  - xbai@vsu.edu
- Ade Ola
  - Virginia State University
  - aola@vsu.edu

**ASSESSING STUDENT PERFORMANCE IN A BUSINESS INFORMATION SYSTEMS COURSE: USING DATA ANALYSIS FOR CONTINUOUS IMPROVEMENT AND EXTERNAL/INTERNAL DOCUMENTATION NEEDS**

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- Melody Alexander
  - Ball State University
  - malexander@bsu.edu
- Jensen Zhao
  - Ball State University
  - jzhao@bsu.edu

**AS THE WORLD TURNS: A GLIMPSE INTO DISTANCE EDUCATION**

- Kristi Berg
  - Minot State University
  - kristi.berg@ndus.edu
- Paul Bujak
  - Minot State University
  - paul.bujak@ndus.edu
<table>
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<tr>
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<td>Session Chair: Kevin Floyd</td>
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</table>

### Software Use & Development

**LOOKS DO MATTER: DEVELOPING AN ACCOUNTING SOFTWARE PROGRAM IN JAVA AND NETBEANS**
Samuel Heredos  
Walsh University  
sheredos1@walsh.edu  
Philip Kim  
Walsh University  
pkim@walsh.edu

**SOURCES OF CONFLICT BETWEEN SOFTWARE DEVELOPERS AND TESTERS: A COMPARISON AND AN INTEGRATION OF TWO MODELS**
Xihui Zhang  
University of North Alabama  
xzhang6@una.edu  
Tony Hunkapillar  
University of North Alabama  
thunkapiller@una.edu

**BACK TO TEACHING A WEB DESIGN COURSE AGAIN AFTER SOME BREAK**
Azad Ali  
Indiana University of Pennsylvania  
azad.ali@iup.edu

### Online Teaching & Learning Strategies

**STUDENT PERCEPTIONS OF VIDEO CONFERENCING TECHNOLOGY**
Kevin Floyd  
Middle Georgia State University  
kevin.floyd@mga.edu  
Neil Rigole  
Middle Georgia State University  
neil.rigole@mga.edu  
Alan Stines  
Middle Georgia State University  
alan.stines@mga.edu

**FLIPPED LEARNING ACTIVITIES FOR AN INTRODUCTION TO JAVA COURSE**
Hsiang-Jui Kung  
Georgia Southern University  
hjkung@georgiasouthern.edu  
LeeAnn Kung  
Rowan University  
kung@rowan.edu

**ASYNCHRONOUS AND SYNCRHONOUS SESSIONS IN ONLINE COURSES: GRADUATE STUDENTS’ PERCEPTIONS**
Zoroayka Sandoval  
The University of Texas Rio Grande Valley  
vicky.sandoval@gmail.com

<table>
<thead>
<tr>
<th>12:10 - 1:30 p.m.</th>
<th>Networking Lunch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Juniper</td>
</tr>
<tr>
<td>Thursday, October 5, 1:30 - 2:30 p.m.</td>
<td>Room: Washington</td>
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<tr>
<td><strong>Data Use &amp; Applications</strong></td>
<td></td>
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<tr>
<td>WITH GREAT DATA, COMES GREAT RESPONSIBILITY: UNIVERSITY STUDENTS’ PERCEPTIONS ON DATA PRIVACY</td>
<td>Maria Salazar</td>
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<tr>
<td></td>
<td>Belle Woodward</td>
</tr>
<tr>
<td>APACHE BIG DATA ECOSYSTEM: AN EXPLORATORY ANALYSIS</td>
<td>Jianfeng Wang</td>
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<td></td>
<td>Linwu Gu</td>
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<td>Kustim Wibowo</td>
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<tr>
<td>DATA BACKUP PERFORMANCE INDICATORS: IS YOUR DATA BACKUP SUFFICIENT</td>
<td>Gwen White</td>
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<td>Distance Education</td>
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</tbody>
</table>
### IS Workplace Skills & Social Commerce

**How Do Information Systems (IS) Programs Prepare Students for Entry-Level Occupations in the Computer and IT Industry?**

Lisa Bain  
Rhode Island College  
lbain@ric.edu  
Neelima Bhatnagar  
University of Pittsburgh Johnstown  
bhatnagr@pitt.edu  
Thomas Chapman  
University of Mississippi  
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**Factors Affecting Trust in Social Commerce: A Structural Equation Model**

C. Christopher Lee  
Central Connecticut State University  
christopher.lee@ccsu.edu  
Young Sik Cho  
Jackson State University  
young_sik.cho@isums.edu  
B. Benjamin Bae  
California State University - Bakersfield  
bbae@csub.edu

**Unique Skills and Competencies for Cognitive Computing Implementations**

Robert Samuel  
Widener University  
robert.samuel@ieee.org  
Christina Stubanas  
Kathy Yacko

### Enhancing the IS, MIS, and MSI Curriculum

**Supplementing I.S. Core Curriculum with Hot-Topic, Independent Studies: A UX-Design Case Study**

Jean Pratt  
University of Wisconsin- Eau Claire  
prattja@uwec.edu  
Mary Laura Samples  
University of Wisconsin- Eau Claire  
sampleml@uwec.edu  
Jacob Techmeir  
University of Wisconsin- Eau Claire  
techmeje7411@uwec.edu

**Adding MVC to the Capstone MSI Systems Development Course**

Thomas Luce  
Ohio University  
luce@ohio.edu

**Faculty Social Learning and Enrichment MIS Courses**

Thomas Ngo-Ye  
Alabama State University  
tngoye@alasu.edu  
Bob McNeal  
Alabama State University  
bobmcneal@alasu.edu  
Dexter Gittens  
Alabama State University  
dgittens@alasu.edu

### Networking Break

2:30 - 2:50 p.m.  
Networking Break ........................................ Foyer
<table>
<thead>
<tr>
<th>Room: Washington</th>
<th>Room: Rittenhouse</th>
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<tr>
<td><strong>Session Chair:</strong> Deanna Klein</td>
<td><strong>Session Chair:</strong> James Cappel</td>
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<tr>
<td><strong>Studying the Workplace</strong></td>
<td><strong>The Issue of Privacy and IT in Secondary Education</strong></td>
</tr>
<tr>
<td>Paul Nugent</td>
<td>Benjamin Zhang</td>
</tr>
<tr>
<td>Western Connecticut State University</td>
<td>Topeka High School</td>
</tr>
<tr>
<td><a href="mailto:nugentp@wcsu.edu">nugentp@wcsu.edu</a></td>
<td><a href="mailto:benjy.zhang99@gmail.com">benjy.zhang99@gmail.com</a></td>
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<tr>
<td><strong>EMBRACING THE DIVERSE ENVIRONMENT IN THE WORKPLACE</strong></td>
<td>Harry Peterson</td>
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<tr>
<td>Brian Gutierrez</td>
<td>Topeka High School</td>
</tr>
<tr>
<td>Minot State University</td>
<td><a href="mailto:hpeterson@tps501.org">hpeterson@tps501.org</a></td>
</tr>
<tr>
<td><a href="mailto:brian.gutierrez@minotstateu.edu">brian.gutierrez@minotstateu.edu</a></td>
<td>Nan Sun</td>
</tr>
<tr>
<td>Deanna Klein</td>
<td>Washburn University</td>
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<tr>
<td>Minot State University</td>
<td><a href="mailto:nan.sun@washburn.edu">nan.sun@washburn.edu</a></td>
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<tr>
<td><a href="mailto:deanna.klein@minotstateu.edu">deanna.klein@minotstateu.edu</a></td>
<td><strong>THE USE AND IMPLEMENTATION OF A PROPRIETARY COMPUTER SYSTEM IN A POLISH HIGHER SCHOOL: A CASE STUDY</strong></td>
</tr>
<tr>
<td>Debra J. Borkovich</td>
<td>Malgorzata Cieciora</td>
</tr>
<tr>
<td>Robert Morris University</td>
<td>Polish-Japanese Academy of Information Technology</td>
</tr>
<tr>
<td><a href="mailto:borkovich@rmu.edu">borkovich@rmu.edu</a></td>
<td><a href="mailto:malgorzata.cieciora@pja.edu.pl">malgorzata.cieciora@pja.edu.pl</a></td>
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<tr>
<td><strong>EMPOWERING EMPLOYEES WITH DIGITAL AGILITY: MITIGATION STRATEGIES FOR INFORMATION GLUT</strong></td>
<td><strong>A CASE STUDY IN PERSONAL PRIVACY</strong></td>
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<td>Debra J. Borkovich</td>
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<tr>
<td>Robert Morris University</td>
<td>Central Michigan University</td>
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<tr>
<td><a href="mailto:borkovich@rmu.edu">borkovich@rmu.edu</a></td>
<td><a href="mailto:james.cappel@cmich.edu">james.cappel@cmich.edu</a></td>
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<td><strong>The Issue of Privacy and IT in Secondary Education</strong></td>
<td>Vishal Shah</td>
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<td>Harry Peterson</td>
<td>Central Michigan University</td>
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<tr>
<td><a href="mailto:hpeterson@tps501.org">hpeterson@tps501.org</a></td>
<td><a href="mailto:shah3v@cmich.edu">shah3v@cmich.edu</a></td>
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<tr>
<td>Room: Logan</td>
<td>Room: Salon 3</td>
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<tr>
<td>Session Chair: Michael Lohle</td>
<td>Session Chair: Juyun Cho</td>
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</table>

**Knowledge Management**

STRANGE CONCEPTUAL BEDFELLOWS: ASSESSING GROUNDED THEORY FOR EFFECTIVE VIRTUAL STUDENT TEAM PROJECT DELIVERY VIA KNOWLEDGE MANAGEMENT, QUALITATIVE RESEARCH, AND MANAGEMENT THEORY
Michael Lohle  
University of Bridgeport  
mssblohle@sbcglobal.net  
Steven Terrell  
Nova Southeastern University  
terrell@nova.edu

SUCCESS STORIES IN KNOWLEDGE MANAGEMENT SYSTEMS
Leila Halawi  
Embry Riddle Aeronautical University  
halawil@erau.edu  
Richard McCarthy  
Quinnipiac University  
richard.mccarthy@quinnipiac.edu  
Janine Aronson  
University of Georgia  
jaronson@uga.edu

THE SYNERGY BETWEEN PERCEPTION OF KNOWLEDGE IMPORTANCE AND GOAL SETTING AMONG POLISH MANUFACTURING COMPANIES
Marcin Soniewicki  
Poznan University of Economics & Business  
marcin.soniewicki@ue.poznan.pl

**Business Analytics**

AN EXPLANATORY STUDY ON THE BUSINESS ANALYTICS PROGRAM IN U.S. UNIVERSITIES
Hae Yeon Choi  
Savannah State University  
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Sun Gi Chun  
Alabama State University  
sungichuhn@alasu.edu  
Dal Sang Chung  
Governors State University  
dchung@govst.edu

MOBILE READINESS OF THE FORTUNE TOP 100 COMPANY’S WEBSITES
Juyun Cho  
Colorado State University-Pueblo  
bigsmile0801@gmail.com  
Jongheon Kim  
Auburn University - Montgomery  
jkim23@aum.edu

ENTERPRISE RESOURCE PLANNING VENDOR SELECTION: A CASE STUDY
Ganesh Vaidyanathan  
Indiana University South Bend  
gvaidyan@iusb.edu  
Mark Fox  
Indiana University South Bend  
mfox1@iusb.edu

<table>
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<tr>
<th>4:00 – 4:30 p.m.</th>
<th>JCIS Editorial Board Meeting........................ Salon 3</th>
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<td>6:00 - 9:00 p.m.</td>
<td>Fun Night</td>
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The IACIS 2017 Conference Program is an official publication of the INTERNATIONAL ASSOCIATION FOR COMPUTER INFORMATION SYSTEMS

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**FRIDAY, OCTOBER 6, 2017**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<td>8:00 a.m. - 4:00 p.m.</td>
<td>Registration</td>
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<td>7:00 - 8:30 a.m.</td>
<td>Breakfast</td>
<td>Juniper</td>
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<td>8:20 - 8:30 a.m.</td>
<td>General Announcements</td>
<td>Juniper</td>
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<tr>
<td>12:20 - 2:20 p.m.</td>
<td>Business Luncheon &amp; Awards</td>
<td>Juniper</td>
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Friday, October 6, 8:40 - 9:40 a.m.

<table>
<thead>
<tr>
<th>Room: Salon 2</th>
<th>Session Chair: Alex Koohang</th>
<th>Room: Washington</th>
<th>Session Chair: Janet Prichard</th>
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</table>

**Panel: Academic Publishing**

**AUTHORING RESEARCH PAPERS FOR MAXIMUM IMPACT**
Taylor & Francis Group  
Stephanie Loeh  
Alexa Flood

**What’s in an App**

**IMPROVING THE DESIGN OF MEDICATION SAFETY APPS: THE INFLUENCE OF VALUE-IN-EXPERIENCE ON PERCEIVED IMPACT**
Kalyani Ankem  
Northern Kentucky University  
ankemk1@nku.edu
Vishal Uppala  
University of North Carolina at Greensboro  
v_uppala@uncg.edu
Adam Durst  
Mercy Health  
AMDurst@mercy.com

**FACTORS INFLUENCING USER APPS PURCHASE: AN EMPIRICAL STUDY**
Hsiu-Li Liao  
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Su-Houn Liu  
Chung Yuan University  
vandy@cycu.edu.tw
Chih-Chung Cheng  
Chung Yuan University  
chihchung@cycu.edu.tw

**AN ANALYSIS OF APP PRIVACY STATEMENTS**
Janet Prichard  
Bryant University  
prichard@bryant.edu
Kevin Mentzer  
Bryant University  
kmentzer@bryant.edu
<table>
<thead>
<tr>
<th>Session Chair: Karen Paullet</th>
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<tr>
<td><strong>Cybersecurity &amp; Information Management</strong></td>
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<tr>
<td>Security</td>
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<tr>
<td><strong>COMMUNICATION IN CYBERSECURITY: A PUBLIC COMMUNICATION MODEL FOR BUSINESS DATA BREACH INCIDENT HANDLING</strong></td>
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<tr>
<td>Ping Wang</td>
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<tr>
<td>Sun-A-Park</td>
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<tr>
<td><strong>IMPLEMENTING A SUCCESSFUL TRAIN-THE-TRAINER PROGRAM IN MOBILE FORENSICS AND SECURITY</strong></td>
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<tr>
<td>Karen Paullet</td>
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<tr>
<td>Jamie Pinchot</td>
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<tr>
<td>Sushma Mishra</td>
</tr>
<tr>
<td><strong>IDENTITY AND ACCESS FOR SECURED INFORMATION MANAGEMENT</strong></td>
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<tr>
<td>Abu Sayed Mahfuz</td>
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<td>Room: Washington</td>
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<tr>
<td><strong>Session Chair:</strong> Gayle Jesse</td>
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<tr>
<td><strong>Cybersecurity</strong></td>
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</tbody>
</table>

**CRYPTOCURRENCY FORENSICS**  
Scott Peterson  
Northern State University  
[scott.peterson@northern.edu](mailto:scott.peterson@northern.edu)  
John Peterson  
Northern State University  
[petersoj@northern.edu](mailto:petersoj@northern.edu)

**WHAT IS THE STATE OF HIGHER EDUCATION CYBERSECURITY PROGRAM NEEDS WHILE FACING DIMISHED STATE APPROPRIATIONS?**  
Scott Spangler  
Middle Georgia State University  
[scott.spangler@mga.edu](mailto:scott.spangler@mga.edu)  
Karen Paulet  
Robert Morris University  
[paulet@rmu.edu](mailto:paulet@rmu.edu)  
Debra Nakama  
University of Hawaii, Maui College  
[debran@hawaii.edu](mailto:debran@hawaii.edu)

**ONE UNIVERSITY’S APPROACH TO DEVELOPING A CYBERSECURITY DEGREE AND EARN NSA CAE-CD CERTIFICATION**  
Gayle Jesse  
West Liberty University  
[gayle.jesse@gmail.com](mailto:gayle.jesse@gmail.com)

**FACTORS AFFECTING VIRTUAL GIFT ACCEPTANCE: MEDIATING ROLES OF HEDONIC AND UTILITARIAN VALUES**  
Eric Tamandja  
Dakota State University  
[tamandja@gmail.com](mailto:tamandja@gmail.com)  
Assion Lawson-Body  
University of North Dakota  
alawsonbody@business.und.edu  
Laurence Lawson-Body  
University of North Dakota  
[laurence.lawsonbody@business.und.edu](mailto:laurence.lawsonbody@business.und.edu)  
Jun Liu  
Dakota State University  
[jun.liu@dsu.edu](mailto:jun.liu@dsu.edu)

**EXAMINING THE CONSTRUCT VALIDITIES AND INFLUENCE OF AFFECTIVE RISK IN B2C E-COMMERCE**  
Wei Sha  
Pittsburg State University  
[wsha@pittstate.edu](mailto:wsha@pittstate.edu)

**FACTORS AFFECTING SOCIAL ECOMMERCE ADOPTION IN AN ARAB COUNTRY: FINDINGS FROM A QUALITATIVE STUDY**  
Kamel Rouibah  
Kuwait University  
[ghallawy@gmail.com](mailto:ghallawy@gmail.com)  
Nabeel Al-Qirim  
United Arab Emirates University  
[nalqirim@uaeu.ac.ae](mailto:nalqirim@uaeu.ac.ae)
**Friday, October 6, 9:50 - 10:50 a.m.**

**Room:** Salon 2  
**Session Chair:** Philip Noah

*Cybersecurity Education, Cyber Innovations, and IS Globalization*

**A CONSTRUCTIVE TEAM PROJECT MODEL FOR ONLINE CYBERSECURITY EDUCATION**
Ping Wang  
Robert Morris University  
wangp@rmu.edu
Raed Sbeit  
Verizon Wireless  
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**A SYSTEMATIC APPROACH TO THE QUALITATIVE META-SYNTHESIS**
Philip Noah  
philipdnoah@gmail.com

**NATIONAL INFORMATION SYSTEM AS A TOOL FOR INTERNATIONALISATION OF HIGHER EDUCATION IN SLOVENIA**
Dusan Lesjak  
University of Primorska and ISSBS Celje  
dusan.lesjak@quest.arnes.si

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10:50 - 11:10 a.m.  
Networking Break ........................................ Foyer
**Friday, October 6, 11:10 a.m. - 12:10 p.m.**

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<tr>
<td><strong>Session Chair:</strong> John Scarpino</td>
<td><strong>Session Chair:</strong> Anthony Rodi</td>
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</table>

### Curriculum & Technology Assessment

**THE FIRST OUTCOME RESULTS OF THE MID-POINT CURRICULUM ASSESSMENTS FOR COMPUTER PROGRAMMING AND INFORMATION TECHNOLOGY STUDENTS**

- John Scarpino  
  Pittsburgh Technical College  
  scarpino.john@ptcollege.edu
- Wilfred Mutale  
  Pittsburgh Technical College  
  mutale.wilfred@ptcollege.edu
- Charles Eltringham  
  Pittsburgh Technical College  
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- Philip Grabowski  
  Pittsburgh Technical College  
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- Mel Tomeo  
  Pittsburgh Technical College  
  tomeo.mel@ptcollege.edu
- Theophilus Owusu  
  Keiser University  
  towusu@keiseruniversity.edu

### Innovating for Current & Future Learners

**"THE NEW LEARNER": THE INFLUENCE OF SHIFTING FORCES IMPACTING HIGHER EDUCATION**

- Anthony Rodi  
  University of Pittsburgh  
  afrodi@katz.pitt.edu
- Michael Donohoe  
  National Defense University  
  mjddsc@gmail.com
- Gary Janchenko  
  University of Pittsburgh

### PERCEIVED USEFULNESS AND ATTITUDE TOWARD THE USE OF LIVETEXT ASSESSMENT SYSTEM

- Jose Noguera  
  Southern University and A&M College  
  jose_noguera@subr.edu
- George Kirk  
  Southern University and A&M College  
  george_kirk@subr.edu

### EFFECTIVENESS OF COURSE DELIVERY METHODS: A MULTI-UNIVERSITY STUDY

- Paul Kovacs  
  Robert Morris University  
  kovacs@rmu.edu
- Alan Pselak  
  Penn State University  
  arp14@psu.edu
- Lisa Kovalchick  
  California University of Pennsylvania  
  kovalchick@calu.edu
- Wenli Wang  
  Robert Morris University  
  wangw@rmu.edu
- Gary Davis  
  Robert Morris University  
  davis@rmu.edu

### MODIFIED MSLQ: AN ANALYSIS OF ACADEMIC MOTIVATION, SELF-REGULATED LEARNING STRATEGIES, AND SCHOLASTIC PERFORMANCE IN INFORMATION SYSTEMS COURSES

- Sheila Smith  
  Ball State University  
  smariesmith@bsu.edu
- Catherine Chen  
  Ball State University  
  cchen@bsu.edu

### MULTIPLE ITERATIONS OF MSLQ VALIDATION: A CONTEMPORARY ASSESSMENT

- Catherine Chen  
  Ball State University  
  cchen@bsu.edu
- Sheila Smith  
  Ball State University  
  smariesmith@bsu.edu
<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>11:10 a.m.</td>
<td>Session Chair</td>
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<tr>
<td>11:10 a.m.</td>
<td><strong>Social Media Analytics</strong></td>
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<tr>
<td>11:10 a.m.</td>
<td><strong>IDENTIFYING TRENDING SENTIMENTS IN THE 2016 U.S. PRESIDENTIAL ELECTION: A CASE STUDY OF TWITTER ANALYTICS</strong></td>
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<td>11:10 a.m.</td>
<td>Sri Kolagani</td>
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<td><a href="mailto:skolagani@mail.csuchico.edu">skolagani@mail.csuchico.edu</a></td>
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<td>11:10 a.m.</td>
<td>Claire Rankin</td>
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<td>California State University, Chico</td>
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<td><a href="mailto:crankin@mail.csuchico.edu">crankin@mail.csuchico.edu</a></td>
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<td>Arash Negahban</td>
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<tr>
<td>11:10 a.m.</td>
<td>Christine Witt</td>
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<td>11:10 a.m.</td>
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<tr>
<td>12:20 p.m.</td>
<td>FROM MUSLIM TO MINDFULNESS: TWITTER RETWEETS BASED ON SENTIMENT AND LINGUISTIC ANALYSIS OF SELECTED CURRENT KEYWORDS</td>
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<tr>
<td>12:20 p.m.</td>
<td>Alan Peslak</td>
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<td>12:20 p.m.</td>
<td>Penn State University</td>
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<td>12:20 p.m.</td>
<td><a href="mailto:arp14@psu.edu">arp14@psu.edu</a></td>
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<tr>
<td>12:20 p.m.</td>
<td>SENTIMENT ANALYSIS OF TWITTER DATA FOR DEMONETIZATION IN INDIA: A TEXT MINING APPROACH</td>
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<tr>
<td>12:20 p.m.</td>
<td>Kaustav Roy</td>
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<td>12:20 p.m.</td>
<td>Missouri University of Science &amp; Technology</td>
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<tr>
<td>12:20 p.m.</td>
<td><a href="mailto:krgd9@mst.edu">krgd9@mst.edu</a></td>
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<tr>
<td>12:20 p.m.</td>
<td>Disha Kohli</td>
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<td>Missouri University of Science &amp; Technology</td>
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<tr>
<td>12:20 p.m.</td>
<td><a href="mailto:dpk3y7@mst.edu">dpk3y7@mst.edu</a></td>
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<td>12:20 p.m.</td>
<td>Rakeshkumar Kathirvel Senthil Kumar</td>
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<td>12:20 p.m.</td>
<td>Missouri University of Science &amp; Technology</td>
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<td>12:20 p.m.</td>
<td><a href="mailto:rkp58@mst.edu">rkp58@mst.edu</a></td>
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<td>12:20 p.m.</td>
<td>Rupaksh Sahgal</td>
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<td>Missouri University of Science &amp; Technology</td>
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<td><a href="mailto:rsc7d@mst.edu">rsc7d@mst.edu</a></td>
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<td>12:20 p.m.</td>
<td><a href="mailto:yuwen@mst.edu">yuwen@mst.edu</a></td>
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<tr>
<td>12:20 – 2:20 p.m.</td>
<td>Business Luncheon &amp; Award Presentations......... Juniper</td>
</tr>
<tr>
<td>Room: Washington</td>
<td>Room: Rittenhouse</td>
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<tr>
<td>Session Chair: Peter Draus</td>
<td>Session Chair: Mysore Ramaswamy</td>
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</table>

**Project Management, Database Development, and IT Models**

**INTEGRATED CONTROL MECHANISMS TOWARD PROJECT MANAGEMENT SUCCESS**
Ganesh Vaidyanathan  
Indiana University South Bend  
gvaidyan@iusb.edu

**VARIETY SEEKING: CONCEPTUAL MODEL IN INFORMATION TECHNOLOGIES DOMAIN**
Edgardo R. Bravo  
Universidad del Pacífico  
er.bravoo@up.edu.pe
Christian F. Libaque-Saenz  
Universidad del Pacífico  
CF.LibaqueS@up.edu.pe

**MEASURING INTERNET ADDICTION AND ITS' RELATIONSHIP TO STUDENT GRADE POINT AVERAGE IN UNDERGRADUATE ACADEMIC PERFORMANCE**
Sushma Mishra  
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mishra@rmu.edu
Peter Draus  
Robert Morris University  
draus@rmu.edu
Natalya Goreva  
Robert Morris University  
goreva@rmu.edu
Don Caputo  
Robert Morris University  
caputo@rmu.edu

**Technology Innovations**

**LEVERAGING INFORMATION TECHNOLOGY TO CREATE SUSTAINABLE SUPPLY CHAINS**
Mysore Ramaswamy  
Southern University and A&M College  
mysore@acm.org

**ACCOUNTING STUDENTS' ACCEPTANCE OF E-BOOKS: AN APPLICATION OF UTAUT**
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Lawrence Lawson-Body  
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Lori Willoughby  
Minot State University  
lori.willoughby@minotstateu.edu
Eric Tamandja  
Dakota State University  
tamandja@gmail.com

**PROJECT-BASED LEARNING WITH SYSTEMS ANALYSIS AND DESIGN**
Wenli Wang  
Robert Morris University  
wangw@rmu.edu
Paul Kovacs  
Robert Morris University  
kovacs@rmu.edu
Jeanne Baugh  
Robert Morris University  
baugh@rmu.edu
<table>
<thead>
<tr>
<th>Session Title</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Email</th>
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<tbody>
<tr>
<td>Information Management, Data Visualization, and Consumer Behavior</td>
<td>G. Kent Webb</td>
<td>San Jose State University</td>
<td><a href="mailto:g.webb@sjsu.edu">g.webb@sjsu.edu</a></td>
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<td>INFORMATION ACQUISITION AND DECISION SUPPORT FOR SUBURBAN DEER MANAGEMENT</td>
<td>G. Kent Webb</td>
<td>San Jose State University</td>
<td><a href="mailto:g.webb@sjsu.edu">g.webb@sjsu.edu</a></td>
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<tr>
<td>DATA VISUALIZATION: A CASE STUDY IN RENEWABLE ENERGY</td>
<td>Bih-Ru Lea</td>
<td>Missouri University of Science &amp; Technology</td>
<td><a href="mailto:leabi@mst.edu">leabi@mst.edu</a></td>
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<td>Hokey Min</td>
<td>Bowling Green State University</td>
<td><a href="mailto:hmin@bgsu.edu">hmin@bgsu.edu</a></td>
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<td>CONSUMER AND PROVIDER: ROLES TO UNDERSTAND CONTINUED USE BEHAVIOR IN VIRTUAL COMMUNITIES</td>
<td>Edgardo R. Bravo</td>
<td>Universidad del Pacifico</td>
<td><a href="mailto:er.bravoo@up.edu.pe">er.bravoo@up.edu.pe</a></td>
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<td>Christian Libaque-Saenz</td>
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<td>Magda K. Ferreyra</td>
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<td><a href="mailto:mk.ferreyrac@up.edu.pe">mk.ferreyrac@up.edu.pe</a></td>
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### SATURDAY, OCTOBER 7, 2017

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<tr>
<td>8:00 a.m. - 10:00 a.m.</td>
<td>Registration</td>
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<tr>
<td>7:00 - 8:30 a.m.</td>
<td>Breakfast</td>
<td>Juniper</td>
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<tr>
<td>11:15 a.m. - 12:00 p.m.</td>
<td>Conference Debriefing</td>
<td>Salon 2</td>
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#### Saturday, October 7, 8:30 - 9:30 a.m.

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<tr>
<th>Room</th>
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<tr>
<td>Washington</td>
<td>Betty Kleen</td>
<td><strong>Database Implementation, Big Data Education, and Student Recruitment</strong></td>
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<td>TRIANGULATION APPROACH TO TEACH DATABASE APPLICATION PROGRAMMING</td>
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<td>Thomas Ngo-Ye</td>
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<td>Jiin Wang</td>
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<td><a href="mailto:jwang@alasu.edu">jwang@alasu.edu</a></td>
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<td>Rittenhouse</td>
<td>Dalsang Chung</td>
<td><strong>Social Media</strong></td>
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<td>SOCIAL MEDIA USE IN HEALTH CARE: WILL IT BE EMBRACED BY MILLENNIALS?</td>
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<td>Dalsang Chung</td>
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<td><a href="mailto:sungichun@alasu.edu">sungichun@alasu.edu</a></td>
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<td>TIME-SPENT ONLINE AS A FACTOR IN USAGE AND AWARENESS OF DRAWBACKS IN SOCIAL MEDIA</td>
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<td></td>
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<td>Joanna Paliszkiewicz</td>
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<td>Warsaw University of Life Sciences</td>
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<td>Magdalena Mądra - Sawicka</td>
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<td>Tadeusz Filipiak</td>
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<td>Salome Svanadze</td>
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<td>Mariam Jikia</td>
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<td><strong>STRUCTURAL PROPERTIES OF ONLINE SOCIAL NETWORKS: A CRITICAL REVIEW</strong></td>
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<td>Binshan Lin</td>
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<td>Louisiana State University in Shreveport</td>
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<td><a href="mailto:binshan.lin@lsus.edu">binshan.lin@lsus.edu</a></td>
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<thead>
<tr>
<th>Room:</th>
<th>Salon 2</th>
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<tbody>
<tr>
<td>Session Chair:</td>
<td>Donna L. Cellante</td>
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</table>

**Web Design, Curriculum Re-Design, and Distance Education**

**BORING CLASSES, BORED STUDENTS: WHAT TO DO?**

S Kruck  
James Madison University  
[kruckse@jmu.edu](mailto:kruckse@jmu.edu)

Elham Torabi  
James Madison University  
[torabiex@jmu.edu](mailto:torabiex@jmu.edu)

Babk Vaziri  
James Madison University  
[vaziribx@jmu.edu](mailto:vaziribx@jmu.edu)

**THE PERCEPTIONS OF MIDDLE SCHOOL TEACHERS ABOUT THE INTEGRATION OF STEM+C: A FOCUSED-GROUP APPROACH**

Donna L. Cellante, Robert Morris University  
[cellante@rmu.edu](mailto:cellante@rmu.edu)

Sushma Mishra, Robert Morris University  
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Mary A. Hansen, Robert Morris University  
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Gavin Buxton, Robert Morris University  
[buxton@rmu.edu](mailto:buxton@rmu.edu)

**THE TAXONOMY OF ESTIMATION IN SOFTWARE DEVELOPMENT PROJECTS**

Rosarito Sanchez-Morcilio  
University of Puerto Rico - Rio Piedras  
[rosarito.sanchez@upr.edu](mailto:rosarito.sanchez@upr.edu)

Francisco Quiles-Torres  
University of Puerto Rico - Rio Piedras  
[francisco.quiles@upr.edu](mailto:francisco.quiles@upr.edu)

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<tr>
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### Saturday, October 7, 9:50 - 10:50 a.m.

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<tr>
<th>Room: Washington</th>
<th>Room: Rittenhouse</th>
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<tr>
<td><strong>Session Chair:</strong> Barbara Jo White</td>
<td><strong>Session Chair:</strong> David Scibelli</td>
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<tr>
<td><strong>CIS Classroom &amp; Technology Applications</strong></td>
<td><strong>Understanding Learners, Knowledge Management &amp; Research</strong></td>
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<td><strong>USER EXPERIENCE (UX) IN THE CIS CLASSROOM: BETTER INFORMATION ARCHITECTURE WITH INTERACTIVE PROTOTYPES AND UX TESTING</strong></td>
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<td>Wenli Wang</td>
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<td><strong>IMPLEMENTING ELLIPTIC CURVE CRYPTOGRAPHY USING MICROSOFT EXCEL</strong></td>
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<td>Abhijit Sen</td>
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<td><a href="mailto:abhijit.sen@kpu.ca">abhijit.sen@kpu.ca</a></td>
<td><a href="mailto:davidscibelli@yahoo.com">davidscibelli@yahoo.com</a></td>
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<td><strong>THE RASPBERRY PI AS AN INFORMATION TECHNOLOGY LEARNING PLATFORM: A CASE STUDY</strong></td>
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<td>Shandell Zeh</td>
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<td>Robert Skovira</td>
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<td><a href="mailto:skovira@rmu.edu">skovira@rmu.edu</a></td>
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**Saturday, October 7, 9:50 - 10:50 a.m.**

<table>
<thead>
<tr>
<th>Room: Salon 2</th>
<th>Session Chair: Jeffrey May</th>
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</thead>
<tbody>
<tr>
<td><strong>Skill Development, IS in Action &amp; Technology</strong></td>
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</tbody>
</table>
| **ENHANCING REQUIREMENTS ELICITATION SKILLS IN THE CLASSROOM**  
  Jeffrey May  
  James Madison University  
  mayjl@jmu.edu  
  Diane Lending  
  James Madison University  
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  Tom Dillon  
  James Madison University  
  dillontw@jmu.edu |
| **EFFECTS OF HUMAN FERTILITY RATES ON THE INFORMATION SYSTEMS INDUSTRY**  
  Thomas Hilton  
  University of Wisconsin - Eau Claire  
  hiltonTS@uwec.edu |
| **FIELD DEPENDENCE AND FACULTY’S VIEWS OF DIFFERENT ONLINE INSTRUCTIONAL TOOLS**  
  Peter Draus  
  Robert Morris University  
  draus@rmu.edu |

| 11:15 – 12:00 p.m. | Conference Debriefing................................ Salon 2 |
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We would like to express our appreciation to the 2017 Editorial Review Board members who invested their time reviewing papers and providing authors valuable feedback for this year’s conference and *Issues in Information Systems* (IIS). We greatly appreciate your service and contributions.

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<tr>
<th>Name</th>
<th>Institution</th>
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<tr>
<td>Rana Alabdan</td>
<td>Robert Morris University</td>
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<td>American University in Bulgaria</td>
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<td>Aaron Glassman</td>
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<td>Marthie Grobler</td>
<td>Data61, CSIRO Melbourne, Australia</td>
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<td>Tanja Grublješič</td>
<td>Faculty of Economics, University of Ljubljana</td>
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<td>Leila Halawi</td>
<td>Embry Riddle Aeronautical University</td>
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<td>Tom Hilton</td>
<td>University of Wisconsin - Eau Claire</td>
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Michael Hodder
Pittsburgh Technical College

Seong-Yong Hong
KAIST

Diane Igoche
Robert Morris University

Jason James
Robert Morris University

Gary Janchenko
University of Pittsburgh

Kiku Jones
Quinnipiac University

Deanna Klein
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Alex Koohang
Middle Georgia State University

Sotiris Kotsiantis
University of Patras

Chih-Hao Ku
Lawrence Technological University

Myungjae Kwak
Middle Georgia State University

Catherine Lada
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Assion Lawson-body
University of North Dakota

Laurence Lawson-body
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Northern State University

Jamie Pinchot
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University of Puerto Rico

Anthony Rodi
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Ignacio E. Rodriguez
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Kuwait University

Zoroayka Sandoval
The University of Texas Rio Grande Valley

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John Scarpino
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<td>University of Economics in Katowice</td>
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