



## 2016 IACIS Conference Program



56<sup>th</sup> Annual Conference:  
International Association for  
Computer Information Systems  
October 5 – 8, 2016  
The Inn at Opryland – A Gaylord Hotel  
Nashville, TN

“The Next Generation of Graduates in Cybersecurity:  
Evolving Curricula in Higher Education”

This is an official publication of the  
INTERNATIONAL ASSOCIATION FOR COMPUTER INFORMATION SYSTEMS

# IACIS 2016 Conference Program

PREFACE<<

Welcome to the 56<sup>h</sup> Annual Conference for the International Association for Computer Information Systems and to Nashville, Tennessee, a fun and exciting city to visit.

The theme, “The Next Generation of Graduates in Cybersecurity: Evolving Curricula in Higher Education” has been embraced by this year’s authors with many presentations discussing business intelligence, decision support, systems security and the impact of the cloud.

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 found at <http://iacis.org/conference/conference.php>.

You continue to make the IACIS International Conference an excellent conference for our academic colleagues, and we appreciate your ongoing attendance in your continued support of the conference. Thank you for presenting your best work here as we look forward to lively and meaningful presentations, discussions and collegial networking.

Gary J. DeLorenzo  
IACIS Vice President and Conference Chair

Maria Elena Corbeil  
IACIS Secretary and IIS Editor

**Save the date:  
57<sup>th</sup> Annual IACIS Conference  
The Courtyard Philadelphia Downtown Marriott  
October 4-7, 2017  
Philadelphia, PA**

# IACIS 2016 Conference Program

## >> IACIS EXECUTIVE BOARD AND MEMBERS

<b>IACIS Executive Director</b>	Robert P. Behling
<b>IACIS Managing Director</b>	Daryl Nord
<b>IACIS Publications Director</b>	Jeretta Horn Nord
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<b>IACIS Secretary, IIS Editor</b>	Maria Elena Corbeil

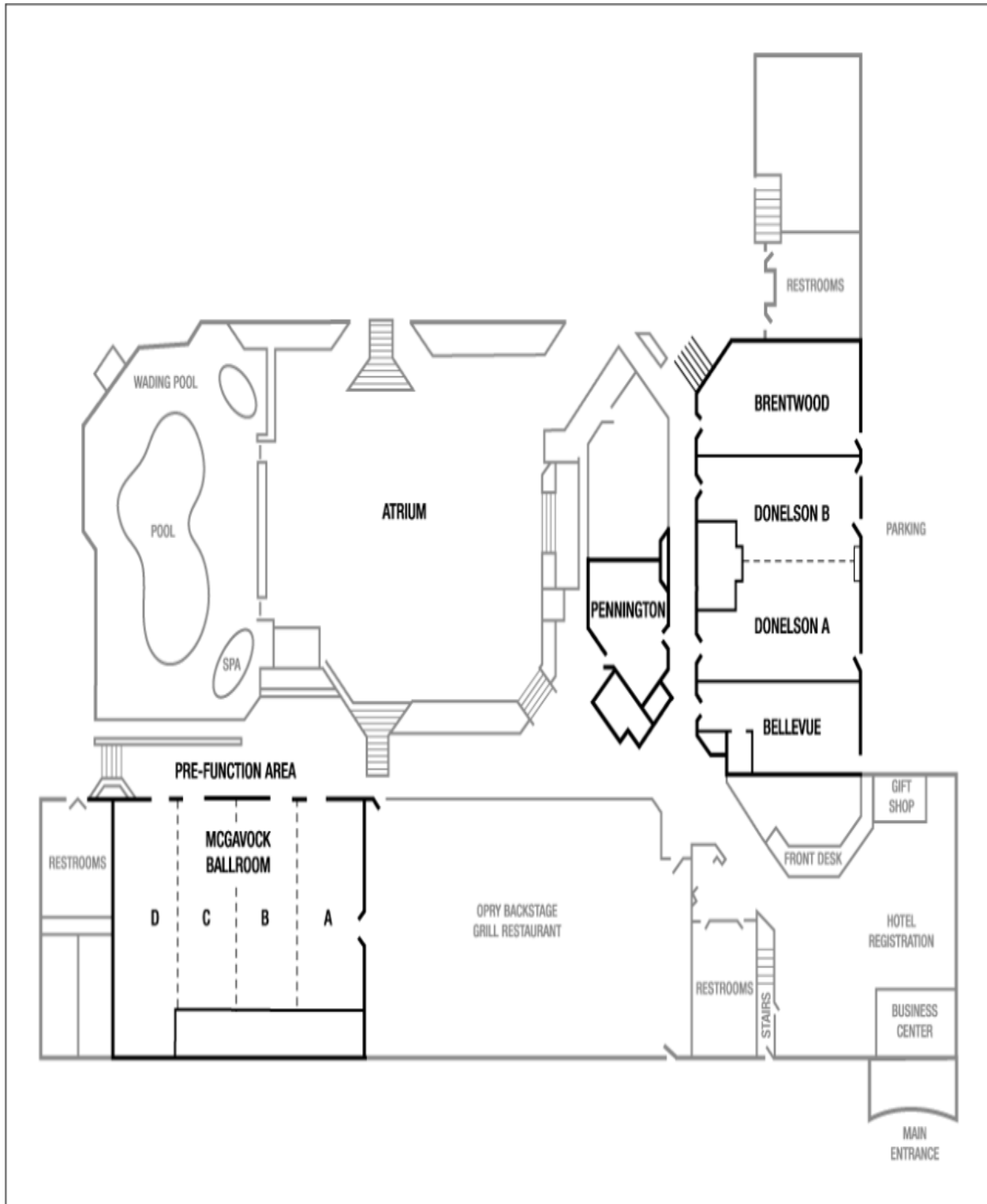
# IACIS 2016 Conference Program



## CONFERENCE PROGRAM

# IACIS 2016 Conference Program

The Inn at Opryland – A Gaylord Hotel:



# IACIS 2016 Conference Program

## PROGRAM OVERVIEW <<

Wednesday, October 5, 2016		Room
6:00 - 8:30 p.m.	Registration	Atrium Foyer
6:00 - 8:30 p.m.	Reception	Atrium

Thursday, October 6, 2016		Room
8:00 a.m.– 4:00 p.m.	Registration	Atrium Foyer
7:00 - 8:30	Breakfast	Atrium
8:30 - 9:00	Welcome and Announcements	McGavock Ballroom
9:15 – 10:15	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue
10:15 – 10:35	Networking Break	Atrium Foyer
10:35– 11:35	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue
12:00 - 1:00	Networking Lunch	Atrium
1:00 - 2:00	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue
2:00 - 2:20	Networking Break	Atrium Foyer
2:20 - 3:20	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue
3:20 – 3:40	Networking Break	Atrium Foyer
3:40 – 4:40	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue
5:00 – 5:30	JCIS Editorial Board Meeting	McGavock A
6:00 and 7:30 -	Bus Services to Downtown Nashville – Meet in Lobby	

Friday, October 7, 2016		Room
8:00 a.m.– 4:30 p.m.	Registration	Foyer
7:00 - 8:30	Breakfast	Atrium
8:00 – 8:15	General Announcements	McGavock Ballroom
8:30 – 9:30	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue
9:30 – 9:50	Networking Break	Atrium Foyer
9:50 -10:50	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue
10:50 – 11:10	Networking Break	Atrium Foyer
11:10 – 12:10	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue
12:10 – 12:40	Networking Break, Light Snacks	Atrium Foyer
12:40 – 1:40	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue

# IACIS 2016 Conference Program

Friday, October 7, 2016		Room
3:00 – 5:00	Business Dinner & Award Presentations	McGavock Ballroom
7:00 – 9:00	Fun Night: Grand Olde Opry	Bus services starting in lobby at 5:30

Saturday, October 8, 2016		Room
8:00 - 11:00 a.m.	Registration	Foyer
7:00 - 8:30	Breakfast	Atrium
8:30 - 9:30	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue
9:30 - 9:50	Networking Break	Atrium Foyer
9:50 - 10:50	Concurrent Paper Sessions	McGavock A, McGavock B, McGavock C, McGavock D, Bellevue
11:00 - 11:45	Conference debriefing	McGavock Ballroom

# IACIS 2016 Conference Program

## >> IACIS RECOGNITION AWARDS

### **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 will be 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 selection made in June or July for awarding at the annual conference in the fall.



# IACIS 2016 Conference Program

## >> IACIS RECOGNITION AWARDS

### **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 will be 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. Presentation is made at the annual IACIS International Conference.

### **Best Paper and Achievement Awards:**

#### **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; all papers accepted for presentation at the conference are candidates.

#### **Best Conference Research 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; all papers accepted for presentation at the conference are candidates.

# IACIS 2016 Conference Program

## >> 2016 IACIS AWARD RECIPIENTS

### Christopher G. Jones 2016 Computer Educator of the Year



Christopher G. Jones, Professor and Associate Dean, David Nazarian College of Business and Economics, California State University – Northridge. Professor Jones has also served as Director, Master of Science in Accountancy, Cal State Northridge; Department Chair, Information Systems and Technology, Utah Valley University; Associate Professor, Weber State University, Ogden, Utah; Director of Computer Information Systems, Woodbury University, Los Angeles; and has held several other academic appointments during his career. Business experience includes serving as a senior consultant with Arthur Anderson & Company; Director of Accounting for Lockheed Finance Corporation; Senior Consultant with Bain & Company; and Partner, Huffman, Jones & Company, Certified Public Accountants.

Professor Jones has taught in both the MIS curriculum, receiving his PhD from Utah State University in 1995 with a Business Information Systems emphasis, and the Accounting curriculum, with a BS in Accounting from Cal State Northridge, a MBA from Brigham Young with a Finance emphasis, and he is a Certified Public Accountant. He serves on several Editorial Review Boards, including the *Journal of Computer Information Systems*, serves as manuscript referee for IACIS, session chair for numerous conferences and organizations, and served as Vice-Chair, Information Technology Committee of the Utah Association of CPAs.

During his academic career Professor Jones has authored numerous referred publications, five books, several book chapters, and more than 25 Conference Proceedings. He has also received several grants from the College of Business and the Internal Auditor Research Foundation. Over the years Professor Jones has made many presentations to the American Accounting Association, IACIS, The Consortium for Computing Sciences in Colleges, The Consortium for Computing in Small Colleges, ISECON and others.

In his role as Associate Dean, Professor Jones assisted the Dean in carrying out the mission and achieving the vision of the college, and collaborated with department chairs and others to manage the day by day operations, including curriculum development and academic standards. During his time as faculty, department chair and administrator, he has served on numerous committees within his college and university, served as a Faculty Senator, and served on the School of Business Executive Committee, the AACSB Accreditation Candidacy Committee, and as advisor to Beta Alpha Psi, an international accounting honor organization. He has been recognized as an Outstanding Faculty member in the Cal State Northridge graduate accountancy program and Scholar of the Year by the School of Technology and Computing, Utah Valley University. Public service includes service as member and Chairman, Utah Community Credit Union, and active leadership positions in the Boy Scouts of America organization.

Professor Jones has a remarkable record of service to his university and profession, an impressive scholarship, research and publication record, and has gained recognition as an outstanding teacher. We congratulate Professor Jones on being selected the **2016 IACIS Computer Educator of the Year**.

# IACIS 2016 Conference Program

Deanna Klein  
2016 Ben Bauman Award for Excellence



Deanna Klein, Professor of Business Information Technology, College of Business, Minot State University, Minot, ND. Professor Klein has spent her entire teaching career at Minot State University, and over the years has taught most of the MIS curriculum offerings, including: Systems Analysis and Design; Project Management; Networking for Managers; Data Base Management; and Business Data Communications.

During the course of her career at Minot State University, Professor Klein has served on many college and university committees, including Faculty Research and Small Grants (currently Chair), MSU Student Mentoring Program, Promotion Committee, and Dean's Advisory Board. She has received several grants, the most notable of which was to investigate "Technology to Enhance Student Engagement in the College of Business." She has co-edited and written a chapter in *Strategic Data-Base Wisdom in the Big Data Era* for IGI Global, and has numerous referred publications in journals and academic proceedings. Professor Klein is the Past President of the International Association for College of Business Education – Region 5, and regularly attends and participates in professional conferences, both at home and abroad. She has also taught in the English speaking MBA program for the National Economic University, Hanoi, Vietnam. Professor Klein is currently serving in the Faculty Senate, and as Department Chair, Business Information Technology, at Minot State University.

Over the past 25 years Professor Klein has made significant contributions to Minot State University and her profession through her service as a scholar, teacher, and administrator. Her record is impressive, and we congratulate Professor Klein on being selected to receive the **2016 Ben Bauman Award for Excellence**.

# IACIS 2016 Conference Program

## **Jay Liebowitz Outstanding Student Research Award**

### **THE RE-DESIGN PROCESS OF AN INSTRUMENT TO EVALUATE COURSES**

*Zoroayka "Vicky" Sandoval, The University of Texas Rio Grande Valley*

## **Best Paper Awards - Research**

### **PHISHING OUR CLIENTS: A STEP TOWARD IMPROVING TRAINING VIA SOCIAL ENGINEERING**

*Kevin Slonka, Pennsylvania Highlands Community College*

*Brian Shrift, Precision Business Solutions*

## **Best Paper Awards – Research, Honorable Mention**

### **A LEARNING MODULE FOR ADVANCED CRYPTOLOGY**

*Wenli Wang, Robert Morris University*

## **Best Paper Awards - Pedagogy**

### **FACULTY PERCEPTIONS ON STUDENT USE OF MOBILE TECHNOLOGY IN THE CLASSROOM**

*Harry Benham, Montana State University*

*Gerald Carvalho, Montana State University*

## **Best Paper Awards - Pedagogy, Honorable Mention**

### **Enhance the Learning Experiences in a Programming Course through an Automated Feedback and Assignment Management System**

*Xue Bai, Virginia State University*

*Ade Ola, Virginia State University*

*Soma Akkaladevi, Virginia State University*

# IACIS 2016 Conference Program

## >> PROGRAM PRESENTATIONS

Thursday, October 6, 2016

8:00 a.m.– 4:00 p.m.	Registration	Atrium Foyer
7:00–8:30 a.m.	Breakfast	Atrium
8:30- 9:00 a.m.	Welcome and Announcements	MacGavock Ballroom

**Thursday, October 6, 9:15– 10:15**

Room: McGavock A Session Chair: Steven Mrdalj	Room: McGavock B Session Chair: Kevin Floyd
<p><b>LEARNING, E-LEARNING</b></p> <p><b>COMPARING LEARNING EFFECTIVENESS IN QUANTITATIVE COURSES TAUGHT TRADITIONALLY AND ONLINE</b> Stevan Mrdalj Eastern Michigan University <a href="mailto:smrdalj@emich.edu">smrdalj@emich.edu</a></p> <p><b>UNDERGRADUATE PERCEPTIONS OF ONLINE EDUCATION IN JORDAN</b> Salem Alemaishat Youngstown State University <a href="mailto:salema@ysu.edu">salema@ysu.edu</a> Guy Philbin Robert Morris University <a href="mailto:philbin@rmu.edu">philbin@rmu.edu</a></p> <p><b>THE RELATIONSHIP BETWEEN ENGAGEMENT SOFTWARE ANALYSIS AND FINAL GRADES IN ONLINE COURSES</b> Robert Kowalewski Robert Morris University <a href="mailto:rwkst5@mail.rmu.edu">rwkst5@mail.rmu.edu</a> Michael Curran Strayer University <a href="mailto:michael.curran@strayer.edu">michael.curran@strayer.edu</a> Barbara Burgess-Lefebvre Robert Morris University <a href="mailto:lefebvre@rmu.edu">lefebvre@rmu.edu</a></p>	<p><b>SUPPLY CHAIN, PROCESS REENGINEERING, TECHNOLOGY</b></p> <p><b>EMPIRICAL ANALYSIS FOR SUCCESS FACTORS IN UBIQUITOUS SUPPLY CHAIN MANAGEMENT IN THE CASE OF UK COMPANIES</b> Changsu Kim Yeungnam University <a href="mailto:c.kim@yumail.ac.kr">c.kim@yumail.ac.kr</a> Jongheon Kim Auburn University Montgomery <a href="mailto:jkim23@aum.edu">jkim23@aum.edu</a></p> <p><b>FACULTY PERCEPTIONS OF VIDEO CONFERENCING TECHNOLOGY</b> Kevin Floyd Middle Georgia State University <a href="mailto:kevin.floyd@mga.edu">kevin.floyd@mga.edu</a> Neil Rigole Middle Georgia State University <a href="mailto:neil.rigole@mga.edu">neil.rigole@mga.edu</a> Alan Stines Middle Georgia State University <a href="mailto:alan.stines@mga.edu">alan.stines@mga.edu</a></p>

# IACIS 2016 Conference Program

<b>Thursday, October 6, 9:15 – 10:15</b>	
Room: McGavock C Session Chair: Carl Case	Room: McGavock D Session Chair: Debra J. Borkovich
<p><b>ETHICS, SOCIAL ENGINEERING, PHISHING</b></p> <p><b>APPLYING THE MULTIDIMENSIONAL ETHICS SCALE IN C2C E-COMMERCE</b> Kiku Jones Quinnipiac University <a href="mailto:Kiku.jones@quinnipiac.edu">Kiku.jones@quinnipiac.edu</a> Lori Leonard University of Tulsa <a href="mailto:lori-leonard@utulsa.edu">lori-leonard@utulsa.edu</a></p> <p><b>A SURVEY OF SOCIAL ENGINEERING VULNERABILITIES IN HEALTH CARE SETTINGS</b> Sushma Mishra Robert Morris University <a href="mailto:Mishra@rmu.edu">Mishra@rmu.edu</a> Peter Draus Robert Morris University <a href="mailto:draus@rmu.edu">draus@rmu.edu</a> Natalya Goreva Robert Morris University <a href="mailto:goreva@rmu.edu">goreva@rmu.edu</a> Don J Caputo Robert Morris University <a href="mailto:caputo@rmu.edu">caputo@rmu.edu</a></p> <p><b>PHISHING: ARE UNDERGRADUATES AT RISK AND PREPARED?</b> Carl Case St. Bonaventure University <a href="mailto:ccase@sbu.edu">ccase@sbu.edu</a> Darwin King St. Bonaventure University <a href="mailto:dking@sbu.edu">dking@sbu.edu</a></p>	<p><b>E-GOVERNMENT, SOCIAL MEDIA</b></p> <p><b>E-GOVERNMENT SOCIAL MEDIA FOR ENHANCING DEMOCRACY IN CHINA</b> Jensen Zhao Ball State University <a href="mailto:jzhao@bsu.edu">jzhao@bsu.edu</a> Sherry Zhao Massachusetts Institute of Technology <a href="mailto:syzhao@alum.mit.edu">syzhao@alum.mit.edu</a> Melody Alexander Ball State University <a href="mailto:malexand@bsu.edu">malexand@bsu.edu</a> Allen Truell Ball State University <a href="mailto:atruell@bsu.edu">atruell@bsu.edu</a></p> <p><b>GRADUATE STUDENT PERCEPTIONS OF PERSONAL SOCIAL MEDIA RISK: A COMPARISON STUDY</b> Samuel Goh Northern Kentucky University <a href="mailto:samuel.goh@nku.edu">samuel.goh@nku.edu</a> Paul Di Gangi University of Alabama at Birmingham <a href="mailto:pdigangi@uab.edu">pdigangi@uab.edu</a> Julio Rivera University of Alabama at Birmingham <a href="mailto:jrivera@uab.edu">jrivera@uab.edu</a> James Worrell University of Alabama at Birmingham <a href="mailto:worrellj@uab.edu">worrellj@uab.edu</a></p> <p><b>SOCIAL MEDIA IMPLOSION: CONTEXT COLLAPSE!</b> Debra J. Borkovich Robert Morris University <a href="mailto:borkovich@rmu.edu">borkovich@rmu.edu</a> Jennifer Breese Middle Georgia State University <a href="mailto:jennifer.breese@mga.edu">jennifer.breese@mga.edu</a></p>
10:15 – 10:35	Networking Break ..... Atrium Foyer

# IACIS 2016 Conference Program

<b>Thursday, October 6, 10:35-11:35</b>	
<b>Room: McGavock A</b>	<b>Room: McGavock B</b>
<b>Session Chair: Thomas Luce</b>	<b>Session Chair: Alex Koohang</b>
<b><i>CURRICULUM</i></b>	<b><i>MOBILE TECHNOLOGY, SOCIAL NETWORKS</i></b>
<p><b>SELECTING CONTENTS FOR A NEW VIRTUALIZATION COURSE IN INFORMATION TECHNOLOGY (IT) TRACK</b>            Azad Ali            Indiana University of PA  <a href="mailto:azad.ali@iup.edu">azad.ali@iup.edu</a></p> <p><b>DOES LEARNING STYLE PLAY A ROLE IN COMPUTER INFORMATION SYSTEMS COURSE PERFORMANCE?</b>            S.E. Kruck            James Madison University  <a href="mailto:Kruckse@jmu.edu">Kruckse@jmu.edu</a>            D. Scott Hunsinger            Appalachian State University  <a href="mailto:hunsingerds@appstate.edu">hunsingerds@appstate.edu</a>            Alan Peslak            Penn State University  <a href="mailto:arp14@psu.edu">arp14@psu.edu</a>            Wendy Ceccucci            Quinnipiac University  <a href="mailto:wendy.ceccucci@quinnipiac.edu">wendy.ceccucci@quinnipiac.edu</a>            Patricia Sendall            Merrimack College  <a href="mailto:patricia.sendall@merrimack.edu">patricia.sendall@merrimack.edu</a></p> <p><b>ADDING AGILITY TO THE MIS CAPSTONE</b>            Thomas Luce            Ohio University  <a href="mailto:luce@ohio.edu">luce@ohio.edu</a></p>	<p><b>DO SOCIAL NETWORKING SITES PRIVACY POLICIES DIFFER? A LINGUISTIC ANALYSIS OF THE TEN MOST POPULAR SOCIAL NETWORKING SITES</b>            Alan Peslak            Penn State University  <a href="mailto:arp14@psu.edu">arp14@psu.edu</a></p> <p><b>THE STATE OF MOBILE TECHNOLOGY WITHIN ORGANIZATIONS</b>            Jeretta Horn Nord            Oklahoma State University  <a href="mailto:jeretta.nord@okstate.edu">jeretta.nord@okstate.edu</a>            Alex Koohang            Middle Georgia State University  <a href="mailto:alex.koohang@mga.edu">alex.koohang@mga.edu</a>            Joanna Paliszkievicz            Warsaw U of Life Sciences  <a href="mailto:joanna_paliszkiewicz@sggw.pl">joanna_paliszkiewicz@sggw.pl</a></p>

# IACIS 2016 Conference Program

<b>Thursday, October 6, 10:35 11:35</b>	
<b>Room: McGavock C</b> <b>Session Chair: Marzie Astani</b>	<b>Room: McGavock D</b> <b>Session Chair: Paul Nugent</b>
<p><b>NETWORKS</b></p> <p><b>TRENDS AND PREVENTIVE STRATEGIES FOR MITIGATING CYBERSECURITY BREACHES IN ORGANIZATIONS</b>            Marzie Astani            Winona State University  <a href="mailto:mastani@winona.edu">mastani@winona.edu</a>            Kathryn Ready            Winona State University  <a href="mailto:kready@winona.edu">kready@winona.edu</a></p> <p><b>FILED DEPENDENCE DIFFERENCES IN USAGE AND PERFORMANCE USING HELP SEQUENCES DELIVERED IN DIFFERENT SENSORY CHANNELS</b>            Peter Draus            Robert Morris University  <a href="mailto:draus@rmu.edu">draus@rmu.edu</a></p> <p><b>OPTIMAL PLACEMENT OF BASE STATION FOR CELLULAR NETWORK EXPANSION</b>            Siddharth Karulkar            Texas A&amp;M University-Kingsville  <a href="mailto:sidkarulkar@gmail.com">sidkarulkar@gmail.com</a>            Joon-Yeoul Oh            Texas A&amp;M University-Kingsville  <a href="mailto:kfjo000@tamuk.edu">kfjo000@tamuk.edu</a></p>	<p><b>OPEN SOURCE, LEGAL, BUSINESS</b></p> <p><b>OPEN SOURCE AND THE VALIDITY OF INTELLECTUAL RIGHTS</b>            Douglas Smalley            Middle Georgia State University  <a href="mailto:doug.smalley@mga.edu">doug.smalley@mga.edu</a></p> <p><b>ATTRIBUTES OF DATA BREACH NOTIFICATION LAWS IN THE UNITED STATES</b>            David Green            Governors State University  <a href="mailto:dgreen@govst.edu">dgreen@govst.edu</a>            Nancy Martin            Southern Illinois University  <a href="mailto:nlmartin@siu.edu">nlmartin@siu.edu</a></p> <p><b>BUREAUCRACY 2.0: THE BUREAUCRATIZATION OF PROFESSIONAL WORK</b>            Paul Nugent            Western Connecticut State University  <a href="mailto:nugentp@wcsu.edu">nugentp@wcsu.edu</a></p>



# IACIS 2016 Conference Program

**Thursday, October 6, 10:35-11:35**

**Room: Bellevue**

**Session Chair: Leila Halawi**

**CLASSROOM, PEDAGOGY,  
CURRICULUM**

**CHALLENGES OF TEACHING DATA  
SCIENCE IN A BUSINESS SCHOOL**

Jianfeng Wang

Indiana University of Pennsylvania

[jwang@iup.edu](mailto:jwang@iup.edu)

Linwu Gu

Indiana University of Pennsylvania

[lgu@iup.edu](mailto:lgu@iup.edu)

**ANALYTICS IN BEHAVIORAL  
INTERVENTION EDUCATION**

Joseph Landers

Xavier University

[landersjc@gmail.com](mailto:landersjc@gmail.com)

Thilini Ariyachandra

Xavier University

[ariyachandrat@xavier.edu](mailto:ariyachandrat@xavier.edu)

Mark Frolick

Xavier University

[frolick@xavier.edu](mailto:frolick@xavier.edu)

**FROM ENROLLMENT TO  
EMPLOYMENT: A DACUM  
APPROACH TO INFORMATION  
SYSTEMS AND INFORMATION  
SECURITY AND ASSURANCE  
CURRICULUM DESIGN**

Leila Halawi

Embry Riddle Aeronautical University

[halawil@erau.edu](mailto:halawil@erau.edu)

Wendi Kappers

Embry Riddle Aeronautical University

[KAPPERSW@erau.edu](mailto:KAPPERSW@erau.edu)

Aaron Glassman

Embry Riddle Aeronautical University

[glassf10@erau.edu](mailto:glassf10@erau.edu)

12:00 – 1:00

Networking Lunch ..... Ballroom

# IACIS 2016 Conference Program

<b>Thursday, October 6, 1:00-2:00</b>	
<b>Room: McGavock A</b>	<b>Room: McGavock B</b>
<b>Session Chair: Kamal Hingorani</b>	<b>Session Chair: Bruce Saulnier</b>
<p><b>SOFTWARE DEVELOPMENT, INTERNATIONAL</b></p> <p><b>A CONCEPT PAPER FOR RESEARCHING THE PERCEPTIONS OF SCHOOL SOCIAL MEDIA SITES: IS IT ONE SIZE FITS ALL FOR STUDENTS?</b>            Ken Marsilio            Robert Morris University  <a href="mailto:kimst4@mail.rmu.edu">kimst4@mail.rmu.edu</a></p> <p><b>U.S. EU SAFE HARBOR &amp; PRIVACY SHIELD: STUDENT EXPLORATION OF GLOBAL IT ISSUES AND PROFESSIONALS WHO DEAL WITH THEM</b>            Lorrie Willey            Western Carolina University  <a href="mailto:lwilley@email.wcu.edu">lwilley@email.wcu.edu</a>            Barbara Jo White            Western Carolina University  <a href="mailto:whiteb@email.wcu.edu">whiteb@email.wcu.edu</a>            Janet Ford            Western Carolina University  <a href="mailto:jford@email.wcu.edu">jford@email.wcu.edu</a></p> <p><b>MOBILE-FRIENDLY WEB-SITES: AN ANALYSIS OF WEBSITES OF FLAGSHIP UNIVERSITIES IN THE UNITED STATES</b>            Kamal Hingorani            Alabama State University  <a href="mailto:khingorani@alasu.edu">khingorani@alasu.edu</a>            Robert McNeal            Alabama State University  <a href="mailto:bobmcneal@alasu.edu">bobmcneal@alasu.edu</a>            Jorga Bradford            Alabama State University  <a href="mailto:jbradford@alasu.edu">jbradford@alasu.edu</a></p>	<p><b>COMPUTER INFORMATION SYSTEMS, APPS</b></p> <p><b>EMPIRICAL STUDY ON DETERMINANTS FOR THE CONTINUED USE OF MOBILE SHOPPING APPS</b>            Dalsang Chung            Governors State University  <a href="mailto:dchung@govst.edu">dchung@govst.edu</a>            Sun Gi Chun            Alabama State University  <a href="mailto:sungichun@alasu.edu">sungichun@alasu.edu</a>            Hae Yeon Choi            Savannah State University  <a href="mailto:choi@savannahstate.edu">choi@savannahstate.edu</a></p> <p><b>INFORMATION SYSTEM FOR HIGHER EDUCATION IN THE REPUBLIC OF SLOVENIA</b>            Duša Marjetič            Ministry of Education, Science and Sport, Republic of Slovenia  <a href="mailto:dusa.marjetic@siol.net">dusa.marjetic@siol.net</a>            Dušan Lesjak            University of Primorska, ISSBS  <a href="mailto:dusan.lesjak@fm-kp.si">dusan.lesjak@fm-kp.si</a></p> <p><b>TOWARDS A 21ST CENTURY INFORMATION SYSTEMS EDUCATION: HIGH IMPACT PRACTICES AND ESSENTIAL LEARNING OUTCOMES</b>            Bruce Saulnier            Quinnipiac University  <a href="mailto:bruce.saulnier@quinnipiac.edu">bruce.saulnier@quinnipiac.edu</a></p>

# IACIS 2016 Conference Program

<b>Thursday, October 6, 1:00-2:00</b>	
<b>Room: McGavock C</b>	<b>Room: McGavock D</b>
<b>Session Chair: G. Kent Webb</b>	<b>Session Chair: Lynn Heinrichs</b>
<b><i>BIG DATA, CLOUD, INTERNET</i></b>	<b><i>CYBERSECURITY</i></b>
<p><b>CONFIDENTIALITY, PRIVACY, ACCESSIBILITY AND SECURITY OF BIG DATA USAGES WITHIN MOBILE RECOMMENDER SYSTEMS, AS SOCIETY EMBRACES CLOUD BASED TECHNOLOGY</b></p> <p>Jacob Mack Keiser University <a href="mailto:j.mack7@student.keiseruniversity.edu">j.mack7@student.keiseruniversity.edu</a></p> <p>Theo Owusu Keiser University <a href="mailto:towusu@evergladesuniversity.edu">towusu@evergladesuniversity.edu</a></p> <p>John Scarpino Pittsburgh Technical College <a href="mailto:scarpino.john@ptcollege.edu">scarpino.john@ptcollege.edu</a></p> <p><b>ANALYZING RISKS FOR HOME LOANS DURING FINANCIAL CRISIS OF 2008 USING DATA MINING</b></p> <p>Nina Tunas Seattle University <a href="mailto:tunasn@seattleu.edu">tunasn@seattleu.edu</a></p> <p>Adrian Green Seattle University <a href="mailto:green3@seattleu.edu">green3@seattleu.edu</a></p> <p>Ben Kim Seattle University <a href="mailto:bkim@seattleu.edu">bkim@seattleu.edu</a></p> <p><b>INTERNET SEARCH ENGINE CAPTURE SUCCESS RATES AND MORTALITY STATISTICS FOR HYPERLINKS TO PUBLIC NEWS ARTICLES</b></p> <p>G Kent Webb San Jose State University <a href="mailto:g.webb@sjsu.edu">g.webb@sjsu.edu</a></p>	<p><b>CYBERSECURITY AWARENESS AND PRACTICE OF NEXT GENERATION CORPORATE TECHNOLOGY USERS</b></p> <p>Jackson Muhirwe Central Washington University <a href="mailto:jackson.muhirwe@cwu.edu">jackson.muhirwe@cwu.edu</a></p> <p>Central Washington University Nathan White <a href="mailto:nathan.white@cwu.edu">nathan.white@cwu.edu</a></p> <p><b>WAR GAMES: SIMULATION VS. VIRTUAL MACHINES IN CYBERSECURITY EDUCATION</b></p> <p>Matthew North Utah Valley University <a href="mailto:mnorth@uvu.edu">mnorth@uvu.edu</a></p> <p><b>TEACHING THREATS AND COUNTERMEASURES IN THE WINDOWS NETWORK ENVIRONMENT</b></p> <p>Lynn Heinrichs Western Carolina University <a href="mailto:lynn@heinrichs.us">lynn@heinrichs.us</a></p>

2:00 – 2:20	Networking Break ..... Foyer
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# IACIS 2016 Conference Program

<b>Thursday, October 6, 2:20 – 3:20</b>	
<b>Room: McGavock A</b> <b>Session Chair: Tom Hilton</b>	<b>Room: McGavock B</b> <b>Session Chair: Lori Willoughby</b>
<p><b>TECHNOLOGY, ENCRYPTION, CYBERSECURITY</b></p> <p><b>CYBERSECURITY EDUCATION: A HOLISTIC APPROACH TO TEACHING SECURITY</b>            Jason James            Robert Morris University  <a href="mailto:jejst243@mail.rmu.edu">jejst243@mail.rmu.edu</a>            Chris Morsey            Robert Morris University  <a href="mailto:cmmst47@mail.rmu.edu">cmmst47@mail.rmu.edu</a>            Joel Phillips            Robert Morris University  <a href="mailto:jrpst273@mail.rmu.edu">jrpst273@mail.rmu.edu</a></p> <p><b>CHALLENGES TO MULTILAYER FEED FORWARD NEURAL NETWORKS IN INTRUSION DETECTION</b>            Loye Ray            York College of Pennsylvania  <a href="mailto:lray@ycp.edu">lray@ycp.edu</a></p> <p><b>A COMPLETELY DIFFERENT CONCEPT: NON-MATHEMATICAL ENCRYPTION?</b>            Jeffrey Johnson            Utah State University  <a href="mailto:Jeffrey.Johnson@usu.edu">Jeffrey.Johnson@usu.edu</a>            Robert Houghton            Idaho State University  <a href="mailto:HougRobe@isu.edu">HougRobe@isu.edu</a>            Thomas Hilton            University of Wisconsin–Eau Claire  <a href="mailto:HiltonTS@uwec.edu">HiltonTS@uwec.edu</a></p>	<p><b>SOCIAL NETWORKS, CULTURE</b></p> <p><b>PHISHING OUR CLIENTS: A STEP TOWARD IMPROVING TRAINING VIA SOCIAL ENGINEERING</b>            Kevin Slonka            Pennsylvania Highlands Community College  <a href="mailto:kslonka@pennhighlands.edu">kslonka@pennhighlands.edu</a>            Brian Shrift            Precision Business Solutions  <a href="mailto:brian.shrift@precisionbs.com">brian.shrift@precisionbs.com</a></p> <p><b>SOCIAL MEDIA PRESENCE-BASED TRUST FOR ENTERPRISE KNOWLEDGE SHARING: AN EMPIRICAL INVESTIGATION</b>            Eric Tamandja            Dakota State University  <a href="mailto:tamandja@gmail.com">tamandja@gmail.com</a>            Assion Lawson-Body            University of North Dakota  <a href="mailto:alawsonbody@business.und.edu">alawsonbody@business.und.edu</a>            Lori Willoughby            Minot State University  <a href="mailto:lori.willoughby@minotstateu.edu">lori.willoughby@minotstateu.edu</a>            Laurence Lawson-Body            University of North Dakota  <a href="mailto:laurence.lawsonbody@business.und.edu">laurence.lawsonbody@business.und.edu</a></p> <p><b>SOCIAL MEDIA – THE GOOD, THE BAD, AND THE UGLY</b>            Dennis L. Mott            Oklahoma State University  <a href="mailto:Dennis.mott@okstate.edu">Dennis.mott@okstate.edu</a></p>

# IACIS 2016 Conference Program

<b>Thursday, October 6, 2:20 – 3:20</b>	
Room: McGavock C Session Chair: Nicole Gong	Room: McGavock D Session Chair: Cassandra C. Elrod
<b>CYBERSECURITY, PRIVACY</b>	<b>STEM, TECHNOLOGY ACCEPTANCE</b>
<p><b>FRAMES OF MIND: CULTIVATING KNOWLEDGE AND CYBERSECURITY</b> Nicole Gong Robert Morris University PA <a href="mailto:nxgst102@mail.rmu.edu">nxgst102@mail.rmu.edu</a> Guy Philbin Robert Morris University PA <a href="mailto:philbin@rmu.edu">philbin@rmu.edu</a></p> <p><b>CONSUMER ADOPTION AND USE OF MOBILE APPLICATIONS: DO PRIVACY AND SECURITY CONCERNS MATTER?</b> Gary Garrison Belmont University <a href="mailto:gary.garrison@belmont.edu">gary.garrison@belmont.edu</a> Sanghyun Kim Kyungpook National University <a href="mailto:ksh@knu.ac.kr">ksh@knu.ac.kr</a> Xiaobo Xu American University of Sharjah <a href="mailto:xiaobo@aus.edu">xiaobo@aus.edu</a></p> <p><b>CYBERSHAMING: THE SHALLOWING HYPOTHESIS IN ACTION</b> William Pendergrass American Public University System <a href="mailto:william.pendergrass@mycampus.apus.edu">william.pendergrass@mycampus.apus.edu</a> Carrie Payne Penn State University <a href="mailto:cap15@psu.edu">cap15@psu.edu</a> Gregory Buretz Robert Morris University <a href="mailto:gregory@buretz.com">gregory@buretz.com</a></p>	<p><b>"A MALE THING": WHY COLLEGE WOMEN ARE NOT CHOOSING STEM MAJORS</b> Shannon Lindsay Southern Illinois University Carbondale <a href="mailto:snlt@siu.edu">snlt@siu.edu</a> Aimee Taylor Southern Illinois University Carbondale <a href="mailto:aimeet85@siu.edu">aimeet85@siu.edu</a> Belle Woodward Southern Illinois University Carbondale <a href="mailto:bellew@siu.edu">bellew@siu.edu</a> Michael Milligan Southern Illinois University Carbondale <a href="mailto:mikemilligan@siu.edu">mikemilligan@siu.edu</a></p> <p><b>IS THE INTEGRATION OF THE STEM DISCIPLINES WITH COMPUTING OCCURRING AT THE SECONDARY SCHOOL LEVEL IN K-12 SCHOOL SYSTEM? AN EXPLORATORY STUDY</b> Sushma Mishra, Robert Morris University <a href="mailto:mishra@rmu.edu">mishra@rmu.edu</a> Donna Cellante, Robert Morris University <a href="mailto:cellante@rmu.edu">cellante@rmu.edu</a> Diane Igoche, Robert Morris University <a href="mailto:igoche@rmu.edu">igoche@rmu.edu</a></p> <p><b>PUTTING A BUSINESS MINDSET INTO STEM EDUCATION AND CAREER PLANNING</b> Darryl Brinkmann Missouri University of Science and Technology <a href="mailto:brinkmann@msst.edu">brinkmann@msst.edu</a> J. Edward Harvey Missouri University of Science and Technology <a href="mailto:harveyej@msst.edu">harveyej@msst.edu</a> Rebecca J. Crosthwait Missouri University of Science and Technology <a href="mailto:crosthwait@msst.edu">crosthwait@msst.edu</a> Cassandra C. Elrod Missouri University of Science and Technology <a href="mailto:cassa@msst.edu">cassa@msst.edu</a> Barry B. Flachsbart Missouri University of Science and Technology <a href="mailto:barryf@msst.edu">barryf@msst.edu</a></p>

# IACIS 2016 Conference Program

3:20-3:40	Networking Break ..... Foyer
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<b>Thursday, October 6, 3:40 –4:40</b>	
<b>Room: McGavock A</b> <b>Session Chair: John Girard</b>	<b>Room: McGavock B</b> <b>Session Chair: Joy Godin</b>
<b>HEALTH, IT, FRAUD</b>  <b>COMPARATIVE PRODUCTIVITY ANALYSIS OF HOSPITALS BASED ON THE LOCATIONS, SIZE, AND TYPES</b> Juyun Cho Colorado State University-Pueblo <a href="mailto:joey.cho@csupueblo.edu">joey.cho@csupueblo.edu</a>  <b>AN ANALYSIS OF COLLUSION AND SINGLE PERPETRATOR FRAUDS IN RELATION TO INTERNAL CONTROLS</b> Orion Welch St. Mary's University <a href="mailto:owelch@stmarytx.edu">owelch@stmarytx.edu</a> Tom Madison St. Mary's University <a href="mailto:tmadison@stmarytx.edu">tmadison@stmarytx.edu</a> Sandra Welch University of Texas at San Antonio UTSA <a href="mailto:Sandra.Welch@utsa.edu">Sandra.Welch@utsa.edu</a>  <b>ELECTRONIC HEALTH RECORD USAGE IN SOUTHERN US STATES</b> Myungjae Kwak Middle Georgia State University <a href="mailto:myungjae.kwak@mga.edu">myungjae.kwak@mga.edu</a> John Girard Middle Georgia State Unievrsity <a href="mailto:john.girard@mga.edu">john.girard@mga.edu</a>	<b>PROCESS, TECHNOLOGY ACCEPTANCE, PROJECT MANAGEMENT</b>  <b>SERVICE COMPREHENSIVENESS: ANOTHER PIECE OF THE TECHNOLOGY ACCEPTANCE PUZZLE</b> Qiunan Zhang University of Memphis <a href="mailto:gzhang4@memphis.edu">gzhang4@memphis.edu</a> Xihui Zhang University of North Alabama <a href="mailto:xzhang6@una.edu">xzhang6@una.edu</a> Tao Hu King University <a href="mailto:thu@king.edu">thu@king.edu</a> Chi Zhang Kennesaw State University <a href="mailto:chizhang@kennesaw.edu">chizhang@kennesaw.edu</a>  <b>TRENDS IN INFORMATION TECHNOLOGY PROJECT MANAGEMENT</b> Rosarito Sanchez-Morcilio University of Puerto Rico - Rio Piedras Campus <a href="mailto:rosarito.sanchez@upr.edu">rosarito.sanchez@upr.edu</a> Francisco Quiles-Torres University of Puerto Rico - Rio Piedras Campus <a href="mailto:francisco.quiles@upr.edu">francisco.quiles@upr.edu</a>  <b>BUSINESS PROCESS MANAGEMENT IN THE CLASSROOM</b> Ashwini Sarvepalli Georgia College & State University <a href="mailto:ashwini.sarvepalli@bobcats.gcsu.edu">ashwini.sarvepalli@bobcats.gcsu.edu</a> Joy Godin Georgia College & State University <a href="mailto:joy.godin@gcsu.edu">joy.godin@gcsu.edu</a>

# IACIS 2016 Conference Program

<b>Thursday, October 6, 3:40 – 4:40</b>	
<b>Room: McGavock C</b> <b>Session Chair: Gayle Jesse</b>	<b>Room: McGavock D</b> <b>Session Chair: Jeffery May</b>
<b>SOCIAL MEDIA, VIRTUAL REALITY, SECURITY</b>  <b>INJECTION OF PROXIMAL INTERPHALANGEAL JOINT BY HAPTIC SUPPORTED VIRTUAL REALITY ENVIRONMENTS</b> Turhan Civelek Kirklareli Univeristy <a href="mailto:turhancivelek@klu.edu.tr">turhancivelek@klu.edu.tr</a> Hakan Kissaboylu Kirklareli University <a href="mailto:hakan.kissaboylu@klu.edu.tr">hakan.kissaboylu@klu.edu.tr</a> Dilek Cokar Istanbul Bilim University <a href="mailto:dilekkissaboylu@hotmail.com">dilekkissaboylu@hotmail.com</a>  <b>SMARTPHONE AND APP USAGE AMONG COLLEGE STUDENTS: USING SMARTPHONES EFFECTIVELY FOR SOCIAL AND EDUCATIONAL NEEDS</b> Gayle Jesse Liberty University <a href="mailto:gayle.jesse@gmail.com">gayle.jesse@gmail.com</a>  <b>RECOVERING FROM NIGHTMARE OF RANSOMWARE – HOW SAVVY USERS GET HIT WITH MALWARE AND VIRUSES AND MALWARE</b> Azad Ali Indiana University of Pennsylvania <a href="mailto:azad.ali@iup.edu">azad.ali@iup.edu</a> Raj Murthy Indiana University of Pennsylvania <a href="mailto:Raj.Murthy@iup.edu">Raj.Murthy@iup.edu</a>	<b>SOFTWARE DEVELOPMENT, METHODOLOGY</b>  <b>ROLE-PLAYING AND PROBLEM-BASED LEARNING: THE USE OF CROSS-FUNCTIONAL STUDENT TEAMS IN BUSINESS APPLICATION DEVELOPMENT</b> Jacqueline Pike Duquesne University <a href="mailto:pikej@duq.edu">pikej@duq.edu</a> Valerie Williams Duquesne University <a href="mailto:trott@duq.edu">trott@duq.edu</a> Robert Kollar Duquesne University <a href="mailto:kollar@duq.edu">kollar@duq.edu</a> William Spangler Duquesne University <a href="mailto:spangler@duq.edu">spangler@duq.edu</a>  <b>A CONSTRUCTIONIST APPROACH OF BLENDING SDLC WITH PROJECT-BASED LEARNING</b> Mohammad Rob University of Houston-Clear Lake <a href="mailto:rob@uhcl.edu">rob@uhcl.edu</a> Farhana Rob Kaiser Permanente San Jose <a href="mailto:Farhana.rob@kp.org">Farhana.rob@kp.org</a>  <b>INVESTIGATING THE EDUSCRUM FRAMEWORK</b> Jeffrey May James Madison University <a href="mailto:mayjl@jmu.edu">mayjl@jmu.edu</a> Bryan Marshall Georgia College & State University <a href="mailto:professor@bryanmarshall.com">professor@bryanmarshall.com</a> Peter Cardon University of Southern California <a href="mailto:cardon@marshall.usc.edu">cardon@marshall.usc.edu</a>

<b>Thursday, October 6 , 5:00 – 5:30</b>	
<b>Room: McGavock A</b>	
<b>JCIS EDITORIAL BOARD MEETING</b>	

6:00 and 7:30	<b>Bus Services to Downtown Nashville</b> .....Meet in Lobby
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# IACIS 2016 Conference Program

Friday October 7, 2016

8:00 a.m.– 4:30 p.m.	Registration	Atrium Foyer
7:00–8:30 a.m.	Breakfast	Atrium
8:15 – 8:30 a.m.	Welcome and Announcements	McGavock Ballroom

<b>Friday, October 7, 8:30 – 9:30</b>	
<b>Room: McGavock A</b> <b>Session Chair: Nita G. Brooks</b>	<b>Room: McGavock B</b> <b>Session Chair: Mark Ciampa</b>
<b>ASSESSMENT, CULTURE</b>	<b>CLASSROOM, PEDAGOGY</b>
<p><b>THE RE-DESIGN PROCESS OF AN INSTRUMENT TO EVALUATE USABILITY IN ONLINE COURSES</b> Zoroayka Sandoval The University of Texas Rio Grande Valley <a href="mailto:vicky.sandoval@gmail.com">vicky.sandoval@gmail.com</a></p> <p><b>A FRAMEWORK OF PROJECT CULTURE IN ORGANIZATIONS</b> Ganesh Vaidyanathan Indiana University South Bend <a href="mailto:gvaidyan@iusb.edu">gvaidyan@iusb.edu</a></p> <p><b>THE ROLE OF GRIT IN EXPLAINING THE INFLUENCE OF NON-ACADEMIC DISTRACTIONS AND SETBACKS ON THE PERSISTENCE OF INFORMATION SYSTEMS STUDENTS IN HIGHER EDUCATION</b> Nita G. Brooks Middle Tennessee State University <a href="mailto:nita.brooks@mtsu.edu">nita.brooks@mtsu.edu</a> Scott J. Seipel Middle Tennessee State University <a href="mailto:scott.seipel@mtsu.edu">scott.seipel@mtsu.edu</a></p>	<p><b>FACULTY PERCEPTIONS ON STUDENT USE OF MOBILE TECHNOLOGY IN THE CLASSROOM</b> Harry Benham Montana State University <a href="mailto:hbenham@montana.edu">hbenham@montana.edu</a> Gerard Carvalho Montana State University <a href="mailto:jcarvalho@montana.edu">jcarvalho@montana.edu</a></p> <p><b>SECURITY ACROSS THE CURRICULUM: IMPLEMENTATION IN A DATA ANALYTICS PROGRAM</b> Mark Ciampa Western Kentucky University <a href="mailto:mark.ciampa@wku.edu">mark.ciampa@wku.edu</a> Evelyn Thrasher Western Kentucky University <a href="mailto:evelyn.thrasher@wku.edu">evelyn.thrasher@wku.edu</a></p> <p><b>A CIPHER BASED ON THE RANDOM SEQUENCE OF DIGITS IN IRRATIONAL NUMBERS</b> Juan Luis González-Santander Universidad Católica de Valencia "san Vicente mártir" <a href="mailto:martinez.gonzalez@ucv.es">martinez.gonzalez@ucv.es</a> Germán Martín Universidad Católica de Valencia "san Vicente mártir" <a href="mailto:german.martin@ucv.es">german.martin@ucv.es</a></p>



# IACIS 2016 Conference Program

<b>Friday, October 7, 8:30-9:30</b>	
<b>Room: McGavock C</b>	<b>Room: McGavock D</b>
<b>Session Chair: Benjamin Brantley</b>	<b>Session Chair: Paul Kovacs</b>
<p><b><i>OUTSOURCING, COPYRIGHTS, ETHICS</i></b></p> <p><b>OUTCOME-BASED CONTRACT MODEL FOR IT OUTSOURCING: A SYSTEM DYNAMICS APPROACH</b>            Jae Choi            Pittsburg State University  <a href="mailto:jchoi@pittstate.edu">jchoi@pittstate.edu</a>            Maeve Cummings            Pittsburg State University  <a href="mailto:cummings@pittstate.edu">cummings@pittstate.edu</a></p> <p><b>COPYRIGHT PROTECTION IS DISAPPEARING</b>            Benjamin Brantley            Middle Georgia State University  <a href="mailto:benjamin.brantley@mga.edu">benjamin.brantley@mga.edu</a></p> <p><b>LEGAL ETHICS AND CONCERNS WITH SECURITY IN A BRING YOUR OWN DEVICE PROGRAM</b>            Misty Kiernan, Middle Georgia State University, <a href="mailto:misty.kiernan@mga.edu">misty.kiernan@mga.edu</a></p>	<p><b><i>CLOUD, INTERNET IN THE CLASSROOM</i></b></p> <p><b>TEACHING THE CLOUD: SECURITY REMAINS A CONCERN FOR INFORMATION TECHNOLOGY STUDENTS</b>            John Scarpino            Pittsburgh Technical Institute  <a href="mailto:scarpino.john@ptcollege.edu">scarpino.john@ptcollege.edu</a>            Michael Hodder            Pittsburgh Technical Institute  <a href="mailto:hodder.michael@ptcollege.edu">hodder.michael@ptcollege.edu</a>            Gary Davis            Robert Morris University  <a href="mailto:davis@rmu.edu">davis@rmu.edu</a>            Paul Kovacs            Robert Morris University  <a href="mailto:kovacs@rmu.edu">kovacs@rmu.edu</a>            Theophilus Owusu            Keiser University  <a href="mailto:towusu@keiseruniversity.edu">towusu@keiseruniversity.edu</a>            Matthew Kisow            NSABP Foundation  <a href="mailto:matthew.kisow@nsabp.org">matthew.kisow@nsabp.org</a></p> <p><b>PERSONAL CLOUD COMPUTING RISKS: A DELPHI STUDY</b>            Samuel Goh            Northern Kentucky University  <a href="mailto:samuel.goh@nku.edu">samuel.goh@nku.edu</a>            Paul Di Gangi            University of Alabama at Birmingham  <a href="mailto:pdigangi@uab.edu">pdigangi@uab.edu</a>            Xiaoni Zhang            Northern Kentucky University  <a href="mailto:zhangx@nku.edu">zhangx@nku.edu</a></p> <p><b>FAST MOBILE CONFERENCE APP DEVELOPMENT WITH THE PUBLIC CLOUD</b>            Bongkyoung Kwon            Georgia Gwinnett College  <a href="mailto:bkwon1@ggc.edu">bkwon1@ggc.edu</a>            Chongwoo Park            Georgia Gwinnett College  <a href="mailto:cpark@ggc.edu">cpark@ggc.edu</a></p>

# IACIS 2016 Conference Program

**Friday October 7, 8:30 – 9:30**

**Room: Bellevue**

**Session Chair: Scott Spangler**

**INFORMATION SYSTEMS SECURITY,  
INTELLIGENCE**

**AN ANALYSIS OF DIFFERENT APPROACHES  
TO MINIMIZING USER-RELATED FAULTS IN  
INFORMATION SYSTEMS SECURITY:  
IMPLICATIONS FOR RESEARCH AND  
PRACTICE**

Paul Stephens

Bradley University

[prs@fsmail.bradley.edu](mailto:prs@fsmail.bradley.edu)

Matt McGowan

Bradley University

[mmcgowan@fsmail.bradley.edu](mailto:mmcgowan@fsmail.bradley.edu)

**RISKS MANAGEMENT OF INFORMATION  
SECURITY IN WEB APPLICATIONS**

Cleberton Carvalho Soares

Faculdade Estácio de Sergipe

[cleberton\\_soares@hotmail.com](mailto:cleberton_soares@hotmail.com)

Paulo Caetano da Silva

Universidade Salvador

[paulo.caetano@prof.unifacs.br](mailto:paulo.caetano@prof.unifacs.br)

Natanael Dantas Soares

Faculdades Borges Mendonça

[natanael.soares1@gmail.com](mailto:natanael.soares1@gmail.com)

**ARCHITECTING A CYBERSECURITY  
MANAGEMENT FRAMEWORK**

Susan Tisdale

Robert Morris University

[smtst173@mail.rmu.edu](mailto:smtst173@mail.rmu.edu)

9:30 – 9:50

Networking Break ..... Foyer

# IACIS 2016 Conference Program

<b>Friday, October 7, 9:50 – 10:50</b>	
<b>Room: McGavock A</b>	<b>Room: McGavock B</b>
<b>Session Chair: Christopher Jones</b>	<b>Session Chair: Mysore Ramaswamy</b>
<b>MOBILE TECHNOLOGY</b>	<b>APPLICATION, SYSTEMS, IT</b>
<p><b>THE DESIGN OF SMARTPHONE EVIDENCE AWARENESS (SEAWARE) TRAINING</b>            Zama Dlamini            University of Pretoria  <a href="mailto:idlamini@csir.co.za">idlamini@csir.co.za</a>            Martin Olivier            University of Pretoria  <a href="mailto:molivier@cs.up.ac.za">molivier@cs.up.ac.za</a>            Marthie Grobler            Council for Scientific and Industrial Research  <a href="mailto:mgrobler1@csir.co.za">mgrobler1@csir.co.za</a></p> <p><b>EXPLORING BARRIERS TO ADOPTION OF MOBILE PAYMENTS: LACK OF AWARENESS, LACK OF AVAILABILITY, AND PERCEIVED SECURITY RISKS</b>            Jamie Pinchot            Robert Morris University  <a href="mailto:pinchot@rmu.edu">pinchot@rmu.edu</a>            Sushma Mishra            Robert Morris University  <a href="mailto:mishra@rmu.edu">mishra@rmu.edu</a>            Karen Pullet            Robert Morris University  <a href="mailto:pullet@rmu.edu">pullet@rmu.edu</a>            Fred Kohun            Robert Morris University  <a href="mailto:kohun@rmu.edu">kohun@rmu.edu</a></p> <p><b>TEACHING MOBILE APP DEVELOPMENT: ISN'T THERE AN APP FOR THAT?</b>            Christopher Jones            California State University, Northridge  <a href="mailto:Christopher.Jones@csun.edu">Christopher.Jones@csun.edu</a></p>	<p><b>DETERMINING RSA PRIVATE KEY USING MICROSOFT EXCEL SOLVER</b>            Abhijit Sen            Kwantlen Polytechnic University  <a href="mailto:abhijit.sen@kpu.ca">abhijit.sen@kpu.ca</a></p> <p><b>LEVERAGING INFORMATION TECHNOLOGY FOR SMALL AND MEDIUM SCALE ENTERPRISES</b>            Mysore Ramaswamy            Southern University, Baton Rouge, LA  <a href="mailto:mysore@acm.org">mysore@acm.org</a></p> <p><b>ADAPTIVE PERFORMANCE: CONCEPTUAL MODEL IN INFORMATION SYSTEMS DOMAIN</b>            Edgardo R. Bravo            Universidad del Pacifico-Lima-Peru  <a href="mailto:er.bravoo@up.edu.pe">er.bravoo@up.edu.pe</a></p>

# IACIS 2016 Conference Program

<b>Friday, October 7, 9:50 – 10:50</b>	
<b>Room: McGavock C</b>	<b>Room: McGavock D</b>
<b>Session Chair: Steven Terrell</b>	<b>Session Chair: Kodey Crandall</b>
<p><b><i>CURRICULUM, GRADUATE PROGRAMS</i></b></p> <p><b>KNOWLEDGE MANAGEMENT USING STUDENT FEEDBACK: A STUDY OF ONLINE STUDENTS' LIVED EXPERIENCE ON VIRTUAL TEAMS</b>            Michael Lohle            University of Bridgeport  <a href="mailto:mlohle@bridgeport.edu">mlohle@bridgeport.edu</a></p> <p><b>A MODEL SYSTEM AND SOFTWARE ASSURANCE GRADUATE CURRICULUM</b>            Vladan Jovanovic            Georgia Southern University  <a href="mailto:vladan@georgiasouthern.edu">vladan@georgiasouthern.edu</a>            James Harris            Georgia Southern University  <a href="mailto:jkharris@georgiasouthern.edu">jkharris@georgiasouthern.edu</a>            Manouchehr Tabatabaei            Georgia Southern University  <a href="mailto:mtabatab@georgiasouthern.edu">mtabatab@georgiasouthern.edu</a></p> <p><b>SUPPORTING DOCTORAL STUDENTS' SELF-DESCRIBED NEEDS WHILE ENROLLED IN A LIMITED-RESIDENCY INFORMATION SYSTEMS PROGRAM</b>            Steven Terrell            Nova Southeastern University  <a href="mailto:terrell@nova.edu">terrell@nova.edu</a>            Michael Lohle            University of Bridgeport  <a href="mailto:mlohle@bridgeport.edu">mlohle@bridgeport.edu</a></p>	<p><b><i>DECISION SUPPORT, BIG DATA</i></b></p> <p><b>DECISION SUPPORT SYSTEMS: HELPING EDUCATORS GATHER &amp; ANALYZE DATA</b>            Kodey Crandall            Utah Valley University  <a href="mailto:kcrandall@uvu.edu">kcrandall@uvu.edu</a>            Kalee Crandall            Edutech Services, inc.  <a href="mailto:kalee@ctepathways.com">kalee@ctepathways.com</a></p> <p><b>IMPACTS OF HEALTHCARE BIG DATA: A FRAMEWORK WITH LEGAL AND ETHICAL INSIGHTS</b>            Mark Fox            Indiana University South Bend  <a href="mailto:mfox1@iusb.edu">mfox1@iusb.edu</a>            Ganesh Vaidyanathan            Indiana University South Bend  <a href="mailto:g vaidyan@iusb.edu">g vaidyan@iusb.edu</a></p> <p><b>BIG DATA AND ETHICS: EXAMINING THE GREY AREAS OF BIG DATA ANALYTICS</b>            Gwendolyn White            Xavier University  <a href="mailto:whiteg@xavier.edu">whiteg@xavier.edu</a>            Thilini Ariyachandra            Xavier University  <a href="mailto:ariyachandrat@xavier.edu">ariyachandrat@xavier.edu</a></p>

# IACIS 2016 Conference Program

<b>Friday October 7, 9:50 – 10:50</b>	
<b>Room: Bellevue</b>	
<b>Session Chair: Alan Paslak</b>	
<b>eLEARNING, FACE-TO-FACE</b>	
<b>STUDENTS IN ONLINE DEGREE PROGRAMS: PERCEPTIONS OF COURSE TERM LENGTHS</b>	
Sherry Rodrigue Nicholls State University <a href="mailto:sherry.rodrigue@nicholls.edu">sherry.rodrigue@nicholls.edu</a>	
Ronnie Fanguy Nicholls State University <a href="mailto:ronnie.fanguy@nicholls.edu">ronnie.fanguy@nicholls.edu</a>	
Lori Soule Nicholls State University <a href="mailto:lori.soule@nicholls.edu">lori.soule@nicholls.edu</a>	
Betty Kleen Nicholls State University <a href="mailto:betty.kleen@nicholls.edu">betty.kleen@nicholls.edu</a>	
<b>DOES AGE AND GENDER MATTER IN STUDENTS' PERCEPTIONS OF INSTRUCTION EFFECTIVENESS IN ON-GROUND, ONLINE AND HYBRID COURSES?</b>	
Alan Paslak, Pennsylvania State University <a href="mailto:arp14@psu.edu">arp14@psu.edu</a>	
Paul Kovacs, Robert Morris University <a href="mailto:kovacs@rmu.edu">kovacs@rmu.edu</a>	
Gary Davis, Robert Morris University <a href="mailto:davis@rmu.edu">davis@rmu.edu</a>	
Wenli Wang, Robert Morris University <a href="mailto:wangw@rmu.edu">wangw@rmu.edu</a>	
Lisa Kovalchick, California University of Pennsylvania <a href="mailto:kovalchick@calu.edu">kovalchick@calu.edu</a>	
Wendy Ceccucci, Quinnipiac University <a href="mailto:wendy.ceccucci@quinnipiac.edu">wendy.ceccucci@quinnipiac.edu</a>	
John Scarpino, Pittsburgh Technical Institute <a href="mailto:scarpino.john@ptcollege.edu">scarpino.john@ptcollege.edu</a>	
<b>DIGITAL BADGES: ADDING PROFESSIONAL VALUE TO AN ONLINE EDUCATIONAL TECHNOLOGY MINOR</b>	
Maria Elena Corbeil, The University of Texas Rio Grande Valley <a href="mailto:mariaelena.corbeil@utrgv.edu">mariaelena.corbeil@utrgv.edu</a>	
Joseph Rene Corbeil, The University of Texas Rio Grande Valley <a href="mailto:rene.corbeil@utrgv.edu">rene.corbeil@utrgv.edu</a>	
Ignacio E. Rodriguez, The University of Texas Rio Grande Valley <a href="mailto:ignacio.rodriguez@utrgv.edu">ignacio.rodriguez@utrgv.edu</a>	
10:50 – 11:10	Light Snack, Networking Break ..... Foyer

# IACIS 2016 Conference Program

<b>Friday, October 7, 11:10 – 12:10</b>	
<b>Room: McGavock A</b>	<b>Room: McGavock B</b>
<b>Session Chair: Carl Rebman</b>	<b>Session Chair: Anthony Rodi</b>
<p><b>USER INTERFACE</b></p> <p><b>HUMAN COMPUTER INTERACTION AND USER EXPERIENCE IN SMART HOME RESEARCH: A CRITICAL ANALYSIS</b>            Yu Zhao            University of North Alabama  <a href="mailto:yzhao8@una.edu">yzhao8@una.edu</a>            Xihui Zhang            University of North Alabama  <a href="mailto:xzhang6@una.edu">xzhang6@una.edu</a>            John Crabtree            University of North Alabama  <a href="mailto:jcrabtree@una.edu">jcrabtree@una.edu</a></p> <p><b>EXTRACTING MEANING FROM TEXT USING STANFORD'S CORENLP</b>            Michel Mitri            James Madison University  <a href="mailto:mitrimx@jmu.edu">mitrimx@jmu.edu</a></p> <p><b>USING LMS DATA TO UNDERSTAND HOW STUDENTS USE COURSE TOOLS</b>            Carl Rebman            San Diego University  <a href="mailto:carlr@sandiego.edu">carlr@sandiego.edu</a></p>	<p><b>GLOBAL, HEALTHCARE IN USA</b></p> <p><b>A PUZZLE ABOUT HOW BUSINESS GRADUATE PERCEIVE MIS MAJOR: PERSPECTIVE FROM AN ARAB COUNTRY</b>            Kamel Rouibah            College of Business Administration Kuwait University  <a href="mailto:krouibah@cba.edu.kw">krouibah@cba.edu.kw</a>            Abeer Al-Hassan            College of Business Administration Kuwait University  <a href="mailto:abeer@cba.edu.kw">abeer@cba.edu.kw</a></p> <p><b>IMPACT OF ELECTRONIC HEALTH RECORDS ON PATIENT OUTCOMES</b>            Lilian Ndifon            Washington Adventist University  <a href="mailto:indifon@wau.edu">indifon@wau.edu</a>            Jude Edwards            Washington Adventist University  <a href="mailto:drjudeedwards@gmail.com">drjudeedwards@gmail.com</a>            Leila Halawi            Embry Riddle Aeronautical University  <a href="mailto:halawil@erau.edu">halawil@erau.edu</a></p> <p><b>INFORMATION SYSTEMS CHALLENGES OF HEALTHCARE IN THE UNITED STATES</b>            Gary Janchenko            University of Pittsburgh  <a href="mailto:gary.janchenko@pitt.edu">gary.janchenko@pitt.edu</a>            Anthony Rodi            University of Pittsburgh  <a href="mailto:afrodi@katz.pitt.edu">afrodi@katz.pitt.edu</a>            Michael J. Donohoe            National Defense University  <a href="mailto:m.j.donohoe.civ@ndu.edu">m.j.donohoe.civ@ndu.edu</a></p>

# IACIS 2016 Conference Program

<b>Friday, October 7, 11:10 - 12:10</b>	
<b>Room: McGavock C</b>	<b>Room: McGavock D</b>
<b>Session Chair: Scott Spangler</b>	<b>Session Chair: Kristi Berg</b>
<p><b>GOVERNMENT, LEGAL, BUSINESS</b></p> <p><b>"LA PERRUQUE" IN THE AMERICAN DIGITAL WORKPLACE: STEALING COMPANY TIME</b>            Debra J. Borkovich            Robert Morris University  <a href="mailto:borkovich@rmu.edu">borkovich@rmu.edu</a>            Robert Skovira            Robert Morris University  <a href="mailto:skovira@rmu.edu">skovira@rmu.edu</a>            Fred Kohun            Robert Morris University  <a href="mailto:kohun@rmu.edu">kohun@rmu.edu</a>            Jennifer Breese            Middle Georgia State University  <a href="mailto:jennifer.breese@mga.edu">jennifer.breese@mga.edu</a></p> <p><b>A LAYERED ARCHITECTURAL APPROACH TO UNDERSTANDING DISTRIBUTED CRYPTOGRAPHIC LEDGERS</b>            Robert Samuel            Widener University  <a href="mailto:robert.samuel@ieee.org">robert.samuel@ieee.org</a></p> <p><b>CASE STUDY: SOIL SOWED FOR BATTLE: GETTYSBURG THE STATE OF CYBER COMMUNICATION LAWS</b>            Scott Spangler            Middle Georgia State University  <a href="mailto:scott.spangler@mga.edu">scott.spangler@mga.edu</a></p>	<p><b>CYBERSECURITY</b></p> <p><b>DOWNLOADING MOBILE APPS: ARE STUDENTS AWARE OF THE SECURITY RISKS?</b>            Adnan A. Chawdhry            California University of PA  <a href="mailto:chawdhry_A@calu.edu">chawdhry_A@calu.edu</a>            Karen Poullet            Robert Morris University  <a href="mailto:poullet@rmu.edu">poullet@rmu.edu</a>            David M. Douglas            Robert Morris University,  <a href="mailto:douglas@rmu.edu">douglas@rmu.edu</a>            Joseph Compomizzi,            Florida Atlantic University,  <a href="mailto:jcompomizzi@fau.edu">jcompomizzi@fau.edu</a></p> <p><b>INFORMATION WARFARE: THE CHALLENGE OF RELATING INTENT WITH TECHNOLOGY IN CYBERSECURITY INTELLIGENCE</b>            Quinn Lanzendorfer            Robert Morris University  <a href="mailto:quinn.lanzendorfer@gmail.com">quinn.lanzendorfer@gmail.com</a>            Scott Spangler            Middle Georgia State University  <a href="mailto:scott.spangler@mga.edu">scott.spangler@mga.edu</a>            Gary DeLorenzo            California University of Pennsylvania  <a href="mailto:delorenzo@calu.edu">delorenzo@calu.edu</a></p> <p><b>UNBREAKABLE: A CONCISE HISTORY OF CYBERSECURITY</b>            Kristi Berg            Minot State University  <a href="mailto:kristi.berg@minotstateu.edu">kristi.berg@minotstateu.edu</a>            Tom Seymour            Minot State University  <a href="mailto:thomas.seymour@minotstateu.edu">thomas.seymour@minotstateu.edu</a>            Joseph Crawford            Minot State University  <a href="mailto:joseph.n.crawford@my.minotstateu.edu">joseph.n.crawford@my.minotstateu.edu</a></p>

# IACIS 2016 Conference Program

<b>Friday, October 7, 11:10-12:10</b>
<b>Room: Bellevue</b>
<b>Session Chair: Lelia Halawi</b>
<b>PANEL</b>
<b>KNOWLEDGE, SKILLS, AND ABILITIES OF AN INFORMATION SECURITY AND INFORMATION MANAGEMENT WORKFORCE: ALIGNING UNIVERSITY CURRICULA WITH INDUSTRY NEEDS</b>
The purpose of this panel is to strengthen an existing research effort focused on bridging the gap between industry needs for an IT/IS/MIS workforce and university curricula. We will discuss what is known about existing knowledge, skills, and abilities (KSA's) of IT workers and how those KSA's can drive change in existing university curricula
Leila Halawi Embry Riddle Aeronautical University <a href="mailto:halawil@erau.edu">halawil@erau.edu</a>
Wendi Kappers Embry Riddle Aeronautical University <a href="mailto:KAPPERSW@erau.edu">KAPPERSW@erau.edu</a>
Aaron Glassman Embry Riddle Aeronautical University <a href="mailto:glassf10@erau.edu">glassf10@erau.edu</a>
Richard McCarthy Quinnipiac University <a href="mailto:richard.mccarthy@quinnipiac.edu">richard.mccarthy@quinnipiac.edu</a>

12:10 – 12:40	Networking Break – Light Lunch ..... Atrium Foyer
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# IACIS 2016 Conference Program

<b>Friday, October 7, 12:40 – 1:40</b>	
<b>Room: McGavock A</b> <b>Session Chair: Rhonda Chicone</b>	<b>Room: McGavock B</b> <b>Session Chair: Justin Fruehauf</b>
<p><b>CERTIFICATION, TRAINING</b></p> <p><b>HOW LONG DO EMPLOYEES REMEMBER INFORMATION SECURITY TRAINING PROGRAMS? A STUDY OF KNOWLEDGE ACQUISITION AND RETENTION</b>            Philip Kim            Walsh University  <a href="mailto:pkim@walsh.edu">pkim@walsh.edu</a>            Joseph Homan            Zekiah Technologies, Inc.  <a href="mailto:joehoman3@aol.com">joehoman3@aol.com</a>            Richard Metzger            Robert Morris University  <a href="mailto:rlmst26@mail.rmu.edu">rlmst26@mail.rmu.edu</a></p> <p><b>NEW WINESKIN FOR NEW WINE: APPLYING PROJECT BASED LEARNING TO CYBERSECURITY EDUCATION</b>            Jackson Muhirwe            Central Washington University  <a href="mailto:jackson.muhirwe@cwu.edu">jackson.muhirwe@cwu.edu</a></p> <p><b>INTEGRATING CERTIFICATION PREPARATION INTO UNIVERSITY CURRICULUM</b>            Stephen Savage            Kaplan University  <a href="mailto:ssavage@kaplan.edu">ssavage@kaplan.edu</a>            Jay Blatt            Kaplan University  <a href="mailto:jblatt@kaplan.edu">jblatt@kaplan.edu</a>            Rhonda Chicone            Kaplan University  <a href="mailto:rchicone@kaplan.edu">rchicone@kaplan.edu</a></p>	<p><b>KNOWLEDGE MANAGEMENT, DATA, SMARTWATCH TECHNOLOGY</b></p> <p><b>KNOWLEDGE MANAGEMENT USING STUDENT FEEDBACK: A STUDY OF ONLINE STUDENTS' LIVED EXPERIENCE ON VIRTUAL TEAMS</b>            Michael Lohle            University of Bridgeport  <a href="mailto:mlohle@bridgeport.edu">mlohle@bridgeport.edu</a>            Steven Terrell            Nova Southeastern University  <a href="mailto:terrell@nova.edu">terrell@nova.edu</a></p> <p><b>THE BIG DATA IN SOCIAL NETWORKS</b>            Edwin E. González-Carril            Universidad del Turabo  <a href="mailto:edwin.egonzalez@upr.edu">edwin.egonzalez@upr.edu</a>            Angel Ojeda-Castro            Universidad del Turabo  <a href="mailto:ut_aojeda@suagm.edu">ut_aojeda@suagm.edu</a></p> <p><b>AM I BORING YOU? A SOCIAL STUDY TO MEASURE THE PERCEPTION OF USE OF ADOPTION AND PERCEPTIONS OF SMARTWATCH TECHNOLOGY</b>            Justin Fruehauf            Robert Morris University  <a href="mailto:jdmfruehauf@gmail.com">jdmfruehauf@gmail.com</a>            Fahad Al-Khalifa            Robert Morris University  <a href="mailto:fak5757@gmail.com">fak5757@gmail.com</a></p>

# IACIS 2016 Conference Program

Friday, October 7, 12:40 – 1:40	
<b>Room: McGavock C</b> <b>Session Chair: Xue Bai</b>	<b>Room: McGavock D</b> <b>Session Chair: Jean Pratt</b>
<b>CURRICULM, SKILLS, PROGRAMMING</b>  <b>A CURRENT EXAMINATION OF THE SKILLS REQUIRED FOR CYBERSECURITY PROFESSIONALS</b> Timothy H. Greer Middle Tennessee State University <a href="mailto:tim.greer@mtsu.edu">tim.greer@mtsu.edu</a> Nita G. Brooks Middle Tennessee State University <a href="mailto:nita.brooks@mtsu.edu">nita.brooks@mtsu.edu</a>  <b>BEGINNING PROGRAMMING – WHY TEACH IT AND HOW TO TEACH IT?</b> Jeanne M Baugh Robert Morris University <a href="mailto:baugh@rmu.edu">baugh@rmu.edu</a>  <b>ENHANCE THE LEARNING EXPERIENCES IN A PROGRAMMING COURSES THROUGH AN AUTOMATED FEEDBACK AND ASSIGNMENT MANAGEMENT System</b> Xue Bai Virginia State University <a href="mailto:xbai@vsu.edu">xbai@vsu.edu</a> Ade Ola Virginia State University <a href="mailto:aola@vsu.edu">aola@vsu.edu</a> Soma Akkaladevi Virginia State University <a href="mailto:sakkaladevi@vsu.edu">sakkaladevi@vsu.edu</a>	<b>eLEARNING, PEDAGOGY</b>  <b>USING TECHNOLOGY TO DETECT AND DETER ELECTRONIC CHEATING AT A LARGE STATE UNIVERSITY</b> Allen Gove Brigham Young University <a href="mailto:gove@byu.edu">gove@byu.edu</a> Nicholas Ball Utah Valley University <a href="mailto:nicholas.ball@uvu.edu">nicholas.ball@uvu.edu</a> Wood Robert Arizona State University <a href="mailto:robert.e.wood@asu.edu">robert.e.wood@asu.edu</a>  <b>THE SANDWICH APPROACH: INCREASING STUDENT CONFIDENCE AND LEARNING BY CONNECTING IN-CLASS AND OUT-OF-CLASS ACTIVITIES IN A FLIPPED CLASSROOM</b> Jean Pratt University of Wisconsin--Eau Claire <a href="mailto:PRATTJA@UWEC.EDU">PRATTJA@UWEC.EDU</a> JERRY HOEPNER UNIVERSITY OF WISCONSIN--EAU CLAIRE <a href="mailto:hoepnejk@uwec.edu">hoepnejk@uwec.edu</a>  <b>CASE STUDY: BYOD IN THE HIGHER EDUCATION CLASSROOM: DISTRACTION OR DISRUPTION? THE ADOPTION OF SPANGLER'S 2016 DIGITAL HUMAN IT INTEGRATION CHARTING SYSTEM</b> Scott Spangler Middle Georgia State University <a href="mailto:sspangler_us@yahoo.com">sspangler_us@yahoo.com</a> Anthony Rodi University of Pittsburgh <a href="mailto:anthony.rodi@yahoo.com">anthony.rodi@yahoo.com</a> Misty Kiernan Middle Georgia State University <a href="mailto:misty.kiernan@mga.edu">misty.kiernan@mga.edu</a>

3:00 – 5:00	<b>Business Luncheon &amp; Award Presentations</b> ..... McGavock Ballroom
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7:00 – 9:00	<b>Fun Night: Grande Olde Opry</b> Bus services starting in lobby at 5:30 pm
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# IACIS 2016 Conference Program

Saturday October 8, 2016

8:30 a.m.– 11:00 a.m.	Registration	Atrium Foyer
7:00–8:30 a.m.	Breakfast	Atrium

<b>Saturday, October 8, 8:30 - 9:30</b>	
<b>Room: McGavock A</b> <b>Session Chair: Catherine Chen</b>	<b>Room: McGavock B</b> <b>Session Chair: Wei Sha</b>
<b>SECURITY, WEB, DATA SCIENCE</b>	<b>PROGRAMMING, eLEARNING, MOBILE APPS</b>
<b>DEEP WEB, DARK WEB, INVISIBLE WEB AND THE POST ISIS WORLD</b> Ryan Ehney Texas A&M University - Kingsville <a href="mailto:ryan.ehney@students.tamuk.edu">ryan.ehney@students.tamuk.edu</a> Jack Shorter Texas A&M University - Kingsville <a href="mailto:jack.shorter@tamuk.edu">jack.shorter@tamuk.edu</a>	<b>SYMBOLIC CODING AND COGNITIVE REHEARSAL: EFFECT OF RETENTION ENHANCEMENT ACTIVITIES ON LEARNING PROGRAMING SKILLS</b> Wei Sha Pittsburg State University <a href="mailto:wsha@pittstate.edu">wsha@pittstate.edu</a>
<b>WHO'S KNOCKING AT MY DOOR: A WEB SERVICE VISUALIZATION TOOL FOR MONITORING USER ACCOUNT HEALTH</b> Thomas Chapman The University of Mississippi <a href="mailto:tchapman@bus.olemiss.edu">tchapman@bus.olemiss.edu</a>	<b>DOWNLOAD INTENTION IN THE MOBILE APPLICATION MARKETPLACE</b> Chien-Yun Yuan Chihlee University of Technology <a href="mailto:cy_yuan@mail.chihlee.edu.tw">cy_yuan@mail.chihlee.edu.tw</a> Wen-Hai Chih National Dong Hwa University <a href="mailto:whchih@mail.ndhu.edu.tw">whchih@mail.ndhu.edu.tw</a> Chia-Yi Huang Distell <a href="mailto:vicky171989@hotmail.com">vicky171989@hotmail.com</a>
<b>IMPORTANT SKILLS A SUCCESSFUL DATA SCIENTIST NEEDS IN CHINA</b> Catherine Chen Ball State University <a href="mailto:cchen@bsu.edu">cchen@bsu.edu</a> Haoqiang Jiang Florida International University <a href="mailto:hjian006@fiu.edu">hjian006@fiu.edu</a>	<b>MOBILE LEARNING IN MALAYSIA EDUCATION INSTITUTIONS</b> Maslin Masrom Universiti Teknologi Malaysia <a href="mailto:maslin.kl@utm.my">maslin.kl@utm.my</a> Amirah Syahmi Nadzari Universiti Teknologi Malaysia <a href="mailto:amirah.syahmi19@gmail.com">amirah.syahmi19@gmail.com</a> Nik Hasnaa Nik Mahmood Universiti Teknologi Malaysia <a href="mailto:nikhasnaa.kl@utm.my">nikhasnaa.kl@utm.my</a> Wan Normeza Wan Zakaria Universiti Teknologi Malaysia <a href="mailto:normeza.kl@utm.my">normeza.kl@utm.my</a> Nor Raihana Mohd Ali Universiti Teknologi Malaysia <a href="mailto:raihana.kl@utm.my">raihana.kl@utm.my</a>

# IACIS 2016 Conference Program

Saturday, October 8, 8:30-9:30	
Room: McGavock C Session Chair: Ming Wang	Room: McGavock D Session Chair: Rana Alabdan
<p><b><i>ETHICS, COLLECTIVE INTELLIGENCE, CURRICULUM</i></b></p> <p><b>THE INTERNET OF THINGS: A CAUSE FOR ETHICAL CONCERN</b>            Kyle Ebersold            The Hartford  <a href="mailto:kyle.ebersold@gmail.com">kyle.ebersold@gmail.com</a>            Richard Glass            Bryant University  <a href="mailto:rglass@bryant.edu">rglass@bryant.edu</a></p> <p><b>AN INTELLIGENT E-BOOK ITEM ANALYSIS PLATFORM USING COLLECTIVE INTELLIGENCE IRT</b>            Seong-Yong Hong            Korea Advanced Institute of Science and Technology  <a href="mailto:gosyhong@kaist.ac.kr">gosyhong@kaist.ac.kr</a>            Hae-Yeon choi            Savannah State University  <a href="mailto:choih@savstate.edu">choih@savstate.edu</a></p> <p><b>INTEGRATING ERP PROJECT SYSTEM INTO IS PROJECT MANAGEMENT CURRICULUM</b>            Ming Wang            California State University  <a href="mailto:mwang3@calstatela.edu">mwang3@calstatela.edu</a>            Leigh Jin            California State University  <a href="mailto:jinlei@sfsu.edu">jinlei@sfsu.edu</a></p>	<p><b><i>BI, BANKING, KNOWLEDGE MANAGEMENT</i></b></p> <p><b>USING REAL-WORLD CLIENT PROJECTS IN A BUSINESS INTELLIGENCE COURSE</b>            RJ Podeschi            Millikin University  <a href="mailto:rpodeschi@millikin.edu">rpodeschi@millikin.edu</a></p> <p><b>ALGORITHMIC ECONOMY: A BIMODAL TRANSFORMATION IN U.S. BANKING</b>            Jennifer Callen-Naviglia            Robert Morris University  <a href="mailto:jennifer.callen@pnc.com">jennifer.callen@pnc.com</a>            Rana Alabdan            Robert Morris University  <a href="mailto:riast150@mail.rmu.edu">riast150@mail.rmu.edu</a></p> <p><b>THE FLOW OF KNOWLEDGE MANAGEMENT IN THE BANKING INDUSTRY IN THE KINGDOM OF SAUDI ARABIA: HOFSTEDE ANALYSIS OF THE CULTURAL CONSTRAINTS</b>            Rana Alabdan            Robert Morris University  <a href="mailto:riast150@mail.rmu.edu">riast150@mail.rmu.edu</a>            Jennifer Callen            Robert Morris University  <a href="mailto:jlcast421@mail.rmu.edu">jlcast421@mail.rmu.edu</a></p>

9:30–9:50	Networking Break ..... Atrium Foyer
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# IACIS 2016 Conference Program

<b>Saturday, October 8, 9:50 - 10:50</b>	
<b>Room: McGavock A</b> <b>Session Chair: Rich McCarthy</b>	<b>Room: McGavock B</b> <b>Session Chair: Dennis Guster</b>
<b>KNOWLEDGE MANAGEMENT, COLLABORTION</b>  <b>IDENTIFYING DATA SCIENCE AND ANALYTICS COMPETENCIES BASED ON INDUSTRY DEMAND</b> Ashraf Shirani San Jose State University <a href="mailto:ashraf.shirani@sjsu.edu">ashraf.shirani@sjsu.edu</a>  <b>THE BURDEN OF KNOWLEDGE MANAGEMENT IN THE INFORMATION AGE: A THEORETICAL APPROACH TO MITIGATING LOST KNOWLEDGE</b> Benjamin Stahl Robert Morris University <a href="mailto:basst49@mail.rmu.edu">basst49@mail.rmu.edu</a> Brian Buckles Robert Morris University <a href="mailto:bkbst119@mail.rmu.edu">bkbst119@mail.rmu.edu</a>  <b>QUANTIFYING THE OPTIMUM BLEND OF GROUP COLLABORATION EXERCISES TO PROMOTE LEARNING IN VIRTUAL GROUPS</b> Raymond Angelo Quinnipiac University <a href="mailto:Raymond.Angelo@quinnipiac.edu">Raymond.Angelo@quinnipiac.edu</a> Richard McCarthy Quinnipiac University <a href="mailto:richard.mccarthy@quinnipiac.edu">richard.mccarthy@quinnipiac.edu</a>	<b>RESEARCH, INTERNET</b>  <b>THE DELPHI TECHNIQUE: LESSONS LEARNED FROM A FIRST TIME RESEARCHER</b> Christopher Gray Robert Morris University <a href="mailto:grayc@rmu.edu">grayc@rmu.edu</a>  <b>SECURING THE INTERNET OF THINGS: A REVIEW</b> Matthew Ahlmeyer Bentley University <a href="mailto:ahlmeye_matt@bentley.edu">ahlmeye_matt@bentley.edu</a> Alina Chircu Bentley University <a href="mailto:achircu@bentley.edu">achircu@bentley.edu</a>  <b>TRACING AND MANAGING A ROGUE CLOUD BASED SERVICE THROUGH A MOBILE APP</b> Dennis Guster Saint Cloud State University <a href="mailto:dcguster@stcloudstate.edu">dcguster@stcloudstate.edu</a> Paul Safonov Saint Cloud State University <a href="mailto:safonov@stcloudstate.edu">safonov@stcloudstate.edu</a> Raqeeb Abdul Saint Cloud State University <a href="mailto:rabdul@stcloudstate.edu">rabdul@stcloudstate.edu</a>

# IACIS 2016 Conference Program

<b>Saturday, October 8, 9:50 - 10:50</b>	
<b>Room: McGavock C</b> <b>Session Chair: Wenli Wang</b>	<b>Room: McGavock D</b> <b>Session Chair: Deanna Klein</b>
<b>CYBERSECURITY, CRYPTOLOGY, SECURITY CERTIFICATION</b>	<b>WORKPLACE, SECURITY THREATS, CHEATING</b>
<p><b>STUDENT PERCEPTIONS ABOUT INFORMATION TECHNOLOGY AND CYBERSECURITY INDUSTRY CERTIFICATIONS</b> Jay Blatt Kaplan University <a href="mailto:jblatt@kaplan.edu">jblatt@kaplan.edu</a> Stephen Savage Kaplan University <a href="mailto:ssavage@kaplan.edu">ssavage@kaplan.edu</a> Rhonda Chicone Kaplan University <a href="mailto:rchicone@kaplan.edu">rchicone@kaplan.edu</a></p> <p><b>PREPARING STUDENTS FOR SECURITY CERTIFICATION: AN EXPLORATORY EXPERIMENT</b> Thomas Ngo-Ye Alabama State University <a href="mailto:tngoye@alasu.edu">tngoye@alasu.edu</a> Jae Choi Pittsburg State University <a href="mailto:jchoi@pittstate.edu">jchoi@pittstate.edu</a></p> <p><b>A LEARNING MODULE FOR ADVANCED CRYPTOLOGY</b> Wenli Wang Robert Morris University <a href="mailto:wangw@rmu.edu">wangw@rmu.edu</a></p>	<p><b>FEDERAL APPLICANTS' PERCEPTIONS OF USA JOBS: AN ABSTRACT</b> Lynn Strezeski Robert Morris University <a href="mailto:xsst297@mail.rmu.edu">xsst297@mail.rmu.edu</a></p> <p><b>EFFECTIVENESS OF USING CARD GAMES TO TEACH THREAT MODELING FOR SECURE WEB APPLICATION DEVELOPMENTS</b> Hassan Takabi University of North Texas <a href="mailto:takabi@unt.edu">takabi@unt.edu</a> Mark Thompson University of North Texas <a href="mailto:Mark.Thompson2@unt.edu">Mark.Thompson2@unt.edu</a></p> <p><b>WHY STUDENTS CHEAT</b> Deanna Klein Minot State University <a href="mailto:deanna.klein@minotstateu.edu">deanna.klein@minotstateu.edu</a></p>

11:00-11:45	Conference Debriefing ..... McGavock Ballroom
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# IACIS 2016 Conference Program

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