



2018 Program Guide

ISECON

Information Systems Education Conference

April 5 to 7, 2018
San Antonio, Texas



500 North Michigan Avenue, Suite 600 • Chicago, IL 60611

ISECON 2018: Welcome to San Antonio!

Dear Fellow IT/IS Colleague:

The Information Systems Education Conference (ISECON) provides special opportunities for information technology faculty. For over a quarter of a century, the Foundation for Information Technology Education has been providing this forum of a broad spectrum of presentation topics, and a special camaraderie to be shared by those who attend.

This week and weekend, we are gathering to expand our understanding of information systems education. We are extremely grateful for the efforts of the entire ISECON 2018 conference planning committees for organizing these conferences. Thanks to conference chair Dr. Brian Reithel and to arrangements coordinator Kevin Jetton, for making sure it is a great conference. I would also like to thank Dr. Bart Garner for serving as the Proceeding Editor for ISECON 2018. Be sure to visit with our sponsors and vendors during the conference, attend the vendor workshops and say thanks!

The authors, reviewers, presenters, and panelists, in conjunction with the ISECON committees, have collaborated to make this national conference function smoothly. In addition, those involved with registration, logistics and local arrangements deserve a special thank you. Anyone who has worked on the planning and execution of a conference of this magnitude can certainly appreciate the amount of effort necessary to present such an excellent conference.

The Foundation for Information Technology Education (FITE) exists to advance the state of education and practice in the Information Technology profession. Through conferences such as ISECON and the U.S. IT Collegiate Conference, we offer forums in which IT/IS educators and students can interact, learn, and then return to their classrooms to shape the skills and knowledge of tomorrow's IT professionals.

We hope ISECON 2018 will be a valuable experience – from both a personal networking and professional development viewpoints. We also sincerely hope you will join us at future ISECON events!

Have a great conference and let us know if there is anything that we can do to make your conference experience better not only this year, but in future years as well!

Sincerely,

Nita Adams, CISSP

President, Foundation for Information Technology Education



**Complimentary Hotel Meeting Space Wireless Internet:
SSID: "Wyndham_Conference" • password: "USAA"**

Thursday Afternoon/Evening Highlights

Welcome "Regi-ception"
4:00-7:00 p.m. - 3: Exec Salon 1 Welcome Registration and Reception

Friday Morning & Luncheon Highlights

Keynote / Meals	Conference Sessions and Workshops
7:00 a.m. – 4:30 p.m. - 2: Texas Foyer Registration, Exhibitors, & Breaks	9:00 a.m. – noon3: Exec Salon 3 Morning Paper Sessions
7:45-8:45 a.m. - 2: Texas B Keynote Breakfast Presentation "Business Transformation through Data and Resulting Insight" by Eric Smith, USAA VP and Chief Data and Analytics Officer	
Noon – 1:15 p.m. - 3: Exec Salon 5 Best Papers Recognition Luncheon	

Friday Afternoon & Evening Highlights

Reception	Conference Sessions
5:00 – 6:30 p.m. - 3: Exec Salon 1 Networking Reception	1:30 – 5:00 p.m. - 3: Exec Salon 3 Afternoon Paper Sessions

Our Sponsors and Exhibitors

Thank you to our exhibitors and sponsors of this year's joint conferences (ISECON 2018 and USITCC 2018). Please make sure you visit their exhibits to learn more about how they may be able to assist IS/CS/IT educators and students.



Best Paper Award

"Adaptive Learning to Improve Student Success and Instructor Efficiency in Introductory Computing Course" by Kamal Kakish and Lissa Pollacia, Georgia Gwinnett College.

Best Paper Award – Honorable Mention

"Multifactor Authentication Using Duo: Universities Eliminating Password Authentication and Deterring Cybercriminal Phishing" by Jason E. James, Sullivan University, and Connie Justice, Indiana University Purdue University Indianapolis (IUPUI).

"Selecting an Enterprise Asset Management (EAM) System for the Indianapolis Airport Authority" (case study) by Fred Kitchens, Ball State University.

Friday, April 6, 2018

Location	Chair	9:00 to 9:20 a.m.	9:20 to 9:40 a.m.	9:40 to 10:00 a.m.
3: Exec Salon 3	Thomas Chapman	<p>Can Open-Source App Development Framework Be Disruptive to the Native App Approach?</p> <p>Minh Huynh and Eraj Khatiwada, Southeastern Louisiana University</p>	<p>Implementing a Multi-Course Project for Sequential Classes: An Alternative Approach for an Information Systems Capstone Project</p> <p>Aditi Mukherjee, Sarah Bleakney, University of Florida</p>	<p>Scaffolding Case Analysis Writing in an Undergraduate Information Systems Class</p> <p>Divakaran Liginlal, Silvia Pessoa, Carnegie Mellon University Maria Pia Gomez Laich, Carnegie Mellon University at Qatar</p>

Location	Chair	10:00 to 10:20 a.m.	10:20 to 10:40 a.m.	10:40 to 11:00 a.m.
3: Exec Salon 3	Tony LaCrosse	<p>Dynamic Networks: Case Studies in Perceived Challenges and Opportunities Associated with Adopting Software-Defined Networking</p> <p>Thomas Chapman, University of Mississippi</p>	<p>A Delphi Study of Competencies and Skills for Data Analytics (WIP)</p> <p>Orli Weiser, Ben-Gurion University of the Negev, Yoram Kalman, The Open University of Israel, Carmel Kent, Arden University, Gilad Ravid, Ben-Gurion University of the Negev</p>	<p>Teaching NoSQL Database</p> <p>Frank Lee, Sahitya Balmuri, University of Mary Hardin-Baylor</p>

Location	Chair	11:00 to 11:20 a.m.	11:20 to 11:40 a.m.	11:40 a.m. to 12:00 p.m.
3: Exec Salon 3	Mark Gilfand	Using Wiki assignments to engage student learning in classroom Xiang Guo Our Lady of the Lake University	Using Current News as Cases for Study of Ethical Computing for Business Students Ahmed Kamel, Concordia College	Comprehension, Retention and Compliance: A Framework for a Mobile Device Security Policy Pilot Study Xiang Guo, Vanessa Clark, Our Lady of the Lake University

BEST PAPERS LUNCHEON (12:00 – 1:15 p.m.)

Location	Chair	12:25 to 12:45 p.m.	12:45 – 1:00 p.m.	1:00 – 1:15 p.m.
3: Exec Salon 5	Brian Reithel	BEST PAPER WINNER Adaptive Learning to Improve Student Success and Instructor Efficiency in Introductory Computing Course Kamal Kakish and Lissa Pollacia, Georgia Gwinnett College	BEST PAPER HONORABLE MENTION Multifactor Authentication Using Duo: Universities Eliminating Password Authentication and Deterring Cybercriminal Phishing Jason E. James, Sullivan University, Connie Justice, Indiana University Purdue University Indianapolis (IUPUI)	BEST PAPER HONORABLE MENTION Selecting an Enterprise Asset Management (EAM) System for the Indianapolis Airport Authority” (case study) Fred Kitchens, Ball State University

Location	Chair	1:30 – 1:45 p.m.	1:45 – 2:00 p.m.
3: Exec Salon 3	Mark Gilfand	Distance Learning Methodologies Which Scale: A Review of the Literature Bart Garner, The University of Mississippi	An Introduction to the AWS Serverless Computing Scalability Paradigm -- the Next Wave in Cloud Systems Brian Reithel, The University of Mississippi

Location	Chair	2:00 – 2:20 p.m.	2:20 – 2:40 p.m.	2:40 – 3:00 p.m.
3: Exec Salon 3	Tony LaCrosse	Sustaining Factors in IS/IT Student Recruitment and Retention Kyle Coleman, Peter Ereshena, Alex Citurs, Eastern Connecticut State University	Identifying Essential Skills and Experiences to be a Successful IS Project Manager Frank Lee, Supritha Aduri, University of Mary Hardin-Baylor	Building Hands-on Opportunities with Hadoop in Big Data Curricula Justin DeBo and RJ Podeschi, Millikin University

Location	Chair	3:00 – 3:20 p.m.	3:20 – 3:40 p.m.	3:40 – 4:00 p.m.
3: Exec Salon 3	Mark Gilfand	Twitter recommendation: Unary metadata features evaluation with TF/IDF using n-grams Nauman Sharif, Graz University of Technology, Muhammad Tanvir Afzal, Usman Ahmed, Capital University of Science & Technology	Metadata features evaluation for twitter based e-learning recommendation Nauman Sharif, Graz University of Technology, Muhammad Tanvir Afzal, Capital University of Science & Technology	Using Reflective Appreciative Inquiry and Live Cases for Teaching Emergent Best Practices from Distressed IS Projects Alex Citurs Eastern Connecticut State University

Location	Chair	4:00 – 4:20 p.m.	4:20 – 4:40 p.m.
3: Exec Salon 3	Thomas Chapman	The Dual-Use Dilemma: Raising Awareness among the Academic and Scientific Communities in Central Asia and Eastern Europe Maria Espona, ISTC, Jean Pascal Zanders, The Trench Ineke Malsch, Malsch TechnoValuation	Applying Virtualization and Containerization Techniques in Cybersecurity Education <i>[presented via YouTube]</i> Arwa Khalid AlSalamah, Jose Maria Sierra Camara, and Stephen Kelly, Northeastern University

2018 Conference Team

ISECON Conference Chair Brian Reithel	The University of Mississippi breithel@bus.olemiss.edu
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ISECON Logistics and Journal Liaison Fred Kitchens	Ball State University fkitchens@bsu.edu
IJTISI Journal Editor-in-Chief Ali Kamali	Missouri Western State University kamali@missouriwestern.edu
Best Papers Awards Brian Reithel	The University of Mississippi breithel@bus.olemiss.edu
Registration System Brian Reithel	The University of Mississippi breithel@bus.olemiss.edu

An Invitation to Serve!

Are you interested in joining the conference team for either ISECON 2019 or USITCC 2019 and helping out next year? If so, please contact the ISECON 2018 Conference Chair, Brian Reithel (by email: breithel@bus.olemiss.edu or by phone: 662-816-3929) to express your interest. Your involvement in this innovative set of dual conferences would be sincerely appreciated!



ISECON 2018 Event Schedule

Thu 4/5/2018 – Sat 4/7/2018

Wyndham San Antonio Riverwalk Hotel – San Antonio, Texas



WIRELESS Meeting Space Internet: SSID: Wyndham_Conference Password: USAA
Levels: 2=Registration, Exhibitors & Keynote, 3=Conference Sessions & Meals

Date	Time	Function	Level: Room
04/05 Thu	4:00-7:00pm	Welcome "Regi-ception" (Registration/Reception)	3: Exec Salon 1
04/06 Fri	7am-4:30pm	Registration, Exhibitors & Breaks	2: Texas Foyer
	7am-9:00am	Sponsor/Exhibitor Setup	2: Texas Foyer
	7:45-8:45am	Keynote breakfast presentation "Business Transformation through Data and resulting Insight" by Eric Smith, USAA VP and Chief Data and Analytics Officer	2: Texas B
	9am-noon	Conference Sessions & Workshops	3: Exec Salon 3
	Noon-1:15pm	Best Papers Recognition Luncheon	3: Exec Salon 5
	1:30-5:00pm	Conference Sessions & Workshops	3: Exec Salon 3
	5:00-6:30pm	ISECON/USITCC Combined Networking Reception	3: Exec Salon 1

