2018 Proceedings & Program Guide

EDSIGCON | CONISAR
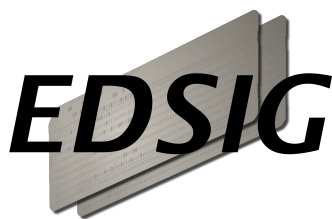
Conference on
Information Systems and
Computing Education

Conference on
Information Systems
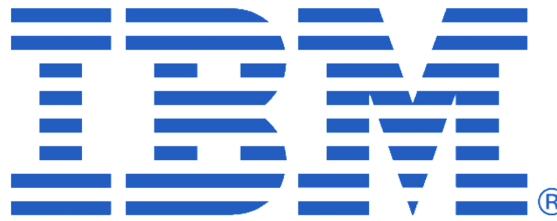Applied Research

October 31 – November 3, 2018
Norfolk, Virginia

Organizing Sponsors:

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Sponsors

Welcome from Conference Chair

As the 2018 Conference Chair, it is my honor to welcome you to the EDSIG Conference on Information Systems and Computing Education (EDSIGCON) and the Conference on Information Systems Applied Research (CONISAR) in Norfolk, Virginia. This marks the fourth year EDSIG has organized its joint conferences with ISCAP (Information Systems & Computing Academic Professionals, Inc.). Since the early 1980's, AITP-EDSIG members have helped to advance education and applied research in Information Systems and Computing by helping to support conferences and journals. Our two conferences act as pathways to the Information Systems Education Journal (ISEDJ) and Journal of Information Systems Applied Research (JISAR) as well as to the Journal of Information Systems Education (JISE).

This year we are fortunate to have support from corporate and industry sponsors: Mendix, IBM, McGraw-Hill, MyEducator, Pega Systems, Prospect Press, Paloalto Networks, Information Builders, and Cengage. Additionally, we have received special support from the Walker College of Business at Appalachian State, the Paul & Virginia Engler College of Business at West Texas A&M University, the Cameron School of Business at the University of North Carolina Wilmington, the Computer Science Department at Siena College, and the School of Business at Quinnipiac University. Without sponsorships and additional support, running a quality conference would not be possible. I encourage participants to visit our sponsors during the session breaks to learn about the ways their products and services can improve our teaching.

The 2018 conference would not be possible without the help of a talented group of volunteers: Jeff Babb, Wendy Ceccucci, Amy Connolly, Jeff Cummings, Scott Hunsinger, Lionel Mew, Rachida Parks, James Pomykalski, Anthony Serapiglia, Jason Sharp, Les Waguespack and Paul Witman. We owe special gratitude to Li-Jen Lester and Biswadip Ghosh who helped coordinate the review process of over 100 submitted works. Finally, this conference would not be possible without the dedication of our meeting planner and journal publisher, Tom Janicki.

The goal of EDSIGCON and CONISAR is to bring together educators and industry professionals to share ideas, innovations and strategies. Through a peer-review process, we have helped each other improve the works that will be shared, which in turn will further improve our teaching and research. In closing, I wish to express deep gratitude to those who have developed, reviewed and revised the work that will be presented. It is this effort which makes our conferences so valuable to educators and academic professionals.

Eric Breimer
2018 EDSIGCON | CONISAR Conference Chair
Siena College

Welcome from EDSIG President

Greetings and Welcome to Norfolk, Virginia and the 34rd gathering of the EDSIG membership at EDSIGCON / CONISAR.

Since 1982 with only two exceptions, EDSIG has gathered annually to share and exchange the scholarship of computing research, practice, and education. Through those combined contributions EDSIG enriches educational programs and curricula as well as the professionalism of computing educators, administrators, and practitioners. The annual conferences reach the world by channeling scholarship through the conference proceedings, the Information Systems Education Journal, ISEDJ, the Journal of Information Systems Applied Research, JISAR, and the flagship of EDSIG, the Journal of Information Systems Education, JISE. In collaboration with ACM, IEEE-CS, and AIS, EDSIG has consistently contributed to the advancement of curricular guidelines for computing and information systems and continues that tradition today in the work of Computing Curricula 2020 to envision the global future of computing education.

This year you'll find the cultural vibrancy of Norfolk matched by lively discourse among colleagues in panels, workshops, paper/abstract/case presentations all organized and realized through the tireless efforts of reviewers, session chairs, track chairs, and our conference chair in concert with the ISCAP and EDSIG Boards of Directors. Those efforts over more than a year's planning and preparation culminate in the fellowship of a community dedicated to learning, teaching, and research. Please take a moment to thank the conference team if you get the chance. This conference is a 100% volunteer effort and I hope that you'll consider joining that effort yourself for next year!

Please feel free to share with me your impressions, ideas and suggestions for growing and improving EDSIG and the EDSIGCON / CONISAR experience going forward. Together, we are EDSIG!

Les Waguespack
2018 EDSIG President
Bentley University

Conference Highlights

Wednesday Opening Events

Registration & Light Reception
6:00 – 8:30pm in Marriott 2/3

Thursday AM

Breakfast & Welcome	Registration	First Timers Welcome
7:45 – 8:45 am in Marriott 4 *Included in Guest Package*	8:00 – 4:00 pm in Marriott 2/3	11:30 am in Marriott 4 First time attendees are encouraged to arrive for an informal meet & greet with the conference chair and EDSIG board members
Sessions 9:00 - 10:15 am and 10:30 am – noon **Refreshment Break** at 10:15 pm sponsored by **IBM**		

Thursday PM

Luncheon	EDSIG Town Hall	Fun Event / Dinner
12:05 pm – 1:20 pm in Marriott 4	Informal Q&A with EDSIG board & officers 3:00 pm – 3:50 pm in Elizabeth Boardroom	**Shipyard Cruise and Dinner on Spirit of Norfolk** 4:00 pm to 7:00 pm Meet in Lobby to walk to dock *Included in Guest Package*
Sessions 1:30 – 2:35 pm 3:00 – 3:50 pm **Refreshment Break** 2:35 pm sponsored by **McGraw-Hill**		**Featured Workshop** Be a Job Placement Superhero: Insider Strategies to Help Your Students Land Top Jobs in Analytics, Blockchain and More 3:00 – 3:50 pm in Marriott 6/7

Friday AM

Breakfast	Registration	Featured Panel Presentation
7:45 – 8:30 am in Marriott 4 *Included in Guest Package*	8:00 am – 4:00 pm in Marriott 2/3	Creating a Culture for Internships and Experiential Learning 8:45 – 10:00 am in Marriott 6/7

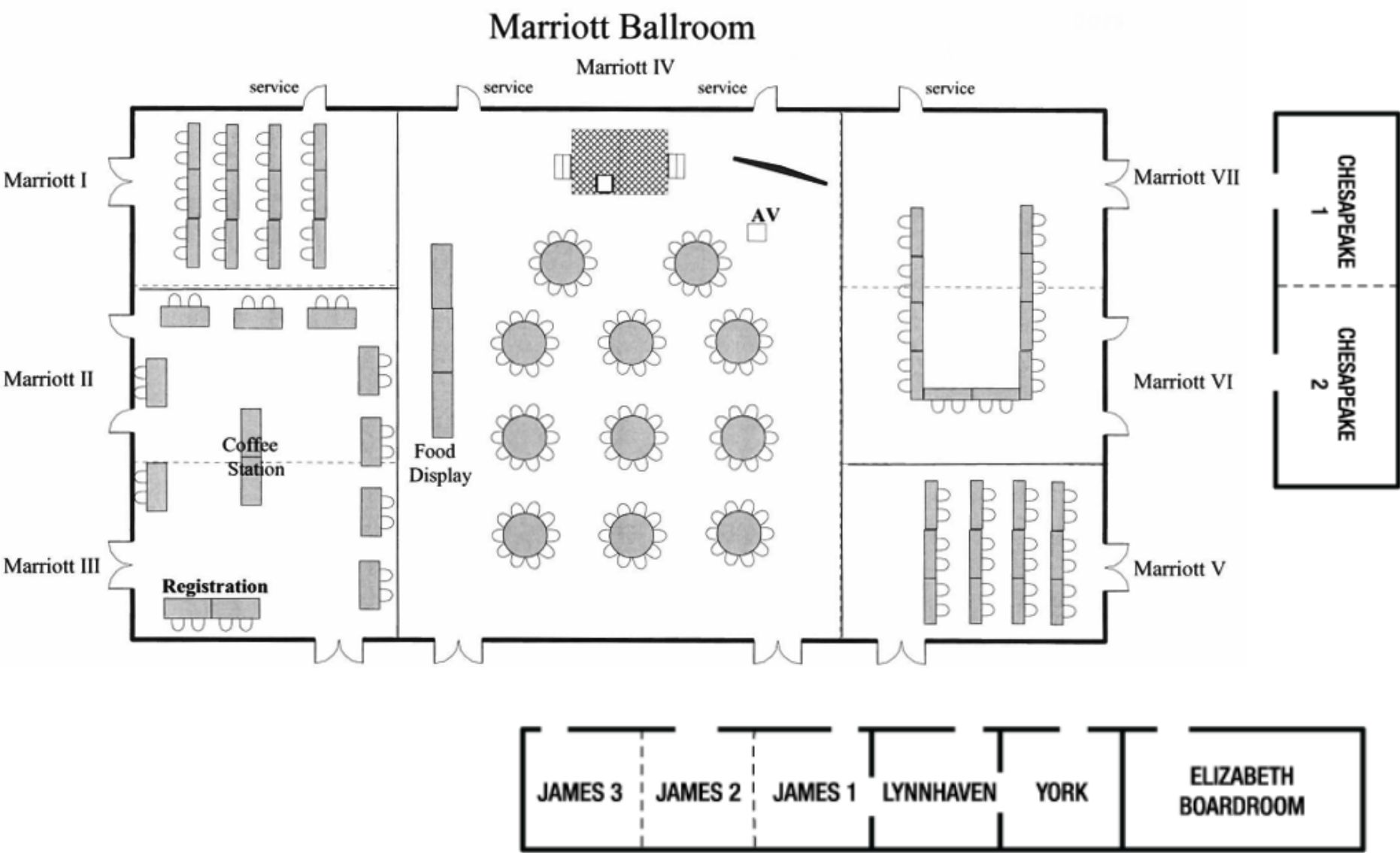| Sessions 8:45 – 10:00 am 10:30 – noon **Refreshment Break** at 10:00 am sponsored by **Mendix**	**mx mendix**	Featured Workshop Build real web and mobile apps in your classroom. No coding needed. 10:30 am – noon in Marriott 5

Friday PM

Distinguished Educator Luncheon	EDSIG Annual Members Meeting	Sundown Reception & Volunteer Thank You
Keynote address by Allen S. Lee Professor Emeritus, VCU 12:00 – 1:30 pm in Marriott 4	Board & Officer Elections 4:30 - 5:30 pm in Marriott 6/7	Meet colleagues for appetizers and drinks compliments of Mendix 5:45 – 7:00 pm 6th Floor Outdoor Terrace Near Pool *Included in Guest Package*

Featured Workshop	Featured Panel
Using Active Learning & Agile Platform Development to Transform Intro MIS Courses 1:45 – 3:00 pm in Marriott 6/7	Teaching blockchain: Technology, applications and implications 3:20 – 4:10 pm in Marriott 6/7

Sessions: 1:45 – 3:00 pm and 3:20 – 4:25 pm. **Refreshment Break** at 3:00 pm

sponsored by Appalachian State, West Texas A&M, UNCW, Quinnipiac and Siena

Saturday AM

Breakfast	Awards Lunch	2019 Volunteer Meeting
7:45 – 8:45 am in Marriott 4 *Included in Guest Package*	Best Papers & JISE Award 12:10 – 2:00 pm in Marriott 4	Interested in being on the 2019 conference team? 2:00 – 3:00 pm in Marriott 6/7

Sessions: 9:00 – 10:15 pm and 10:30 – noon **Refreshment Break** at 10:15 am

Hotel Map

Marriott Ballroom

Marriott IV

service   service   service   service

Marriott I

Marriott II

Coffee Station

Food Display

Marriott III

Registration

Marriott VII

AV

Marriott VI

Marriott V

CHESAPEAKE 1

CHESAPEAKE 2

JAMES 3 | JAMES 2 | JAMES 1 | LYNNHAVEN | YORK | ELIZABETH BOARDROOM

Thursday, Nov 01 - 9:00 am to 10:15 am

Location	Chair	9:00 to 9:25 am	9:25 to 9:50 am	9:50 to 10:15 am
Chesapeake 2	Ghosh, Biswadip	CONISAR Paper Applied IS Research / Methodologies Using Twitter Sentiment Analysis to Analyze Self-Sentiment of the POTUS *White*, Xavier University, *Wimmer*, Georgia Southern University, *Rebman*, University of San Diego, *Nwankwo*, **(4812)**	CONISAR Paper Applied IS Research / Methodologies Driving Distractions and Multi-tasking: An Investigative Study *Choi*, *Xiong*, *Medlin*, Appalachian State University, **(4816)**	CONISAR Paper Applied IS Research / Methodologies Delineating Legacy System IT Artifacts – Applying a Systems Thinking-based Framework *Stachofsky*, University of Idaho, **(4822)**
Marriott 1	Jesse, Gayle	EDSIG Case (Teaching or Business) When Technology Meets Tax *Lautt*, *Asumadu*, *Abdul*, *Korzaan*, Middle Tennessee State University, **(4779)**	EDSIG Case (Teaching or Business) Social Media and the Velvet Revolution in Armenia *Odabashian*, *Manoukian*, American University of Armenia, *Witman*, California Lutheran University, **(4776)**	EDSIG Case (Teaching or Business) System Design and Development of a Tween Esteem Event Management System Case *Schwieger*, Southeast Missouri State University, **(4763)**
Marriott 5	Petkov, Doncho	EDSIG Paper Online Learning (Innovation in) E-Learning Early Admit College Program: A Case Study of Recruiting and Retaining High School Underrepresented Students in Cybersecurity *Nakama*, University of Hawaii, Maui College, *Paullet*, Robert Morris University, *Haynes*, Tennessee Tech University, *Yamanuha*, University of Hawaii, Maui College, **(4659)**	EDSIG Paper Online Learning (Innovation in) Using Codecademy Interactive Lessons as an Instructional Supplement in a Python Programming Course *Sharp*, Tarleton State University, **(4615)**	EDSIG Paper Online Learning (Innovation in) A Sentiment and Linguistic Analysis of Online Reviews of Online Universities *Peslak*, Penn State University - Worthington Scranton, **(4616)**

Thursday, Nov 01 - 10:30 am to 12 Noon

Location	Chair	10:30 to 10:55 am	10:55 to 11:20 am	11:20 to 11:45 am	11:45 to 12 Noon
Chesapeake 2	Xiong, Jason	EDSIG Paper Other Topics Navigating the Academic "White Water": Strategic Issues for Computer Information Systems Education *Saulnier*, Quinnipiac University, **(4602)**	EDSIG Paper Other Topics Connecting the Dots: Strategies to Recruit Computer Information Systems Students *Leon*, *Xiong*, Appalachian State University, **(4611)**	EDSIG Paper Other Topics Linking Programmer Analyst Skills to Industry Needs: A Current Review *Peslak*, Penn State, *Kovalchick*, California U of Penn., *Kovacs*, Robert Morris, *Conforti*, Geisinger Health, *Wang*, Robert Morris, *Bhatnagar*, U of Pittsburgh Greensburg, **(4626)**	CONISAR Abstract ERP Rigidity and the Cloud Computing Effect *Revenaugh*, *Schweigert*, Montana Tech University, **(4873)**
Marriott 1	Korzaan, Melinda	EDSIG Case (Teaching or Business) Closing the Deal amidst Falling Customer Satisfaction *Ghosh*, Metropolitan State University of Denver, **(4771)**	EDSIG Case (Teaching or Business) SQL: An Introduction to SQL Lesson and Hands-On Lab *Jesse*, West Liberty University, **(4767)**	EDSIG Case (Teaching or Business) Dancing with Bigfoot: The Risks and Liabilities of Online Reviews *Schwieger*, *Ladwig*, Southeast Missouri State University, **(4765)**	EDSIG Abstract Automated Assessment with Formative Feedback using Excel *Frost*, *Matta*, Ohio University, **(4789)**
Marriott 5	Witman, Paul	EDSIG Paper Pedagogy Partial Credit on Multiple-choice Exams: Does It Help or Hurt Students? *Moss*, Ohio University, CoB, *Matta*, *Frost*, Ohio University, *Chimeli*, Ohio University, **(4625)**	EDSIG Paper Pedagogy An experiment on the impact of critical thinking instruction on the understanding of IS implementation problems *Petkov*, Eastern Connecticut State University, *Petkova*, Central Connecticut State, **(4628)**	EDSIG Paper Pedagogy Mixed-Approach Social Comparison for Improving Online Discussion Efficacy: Insights from Field Experiments *Javadi*, Illinois State University, *Gebauer*, University of North Carolina Wilmington, *Novotny*, Illinois State University, **(4642)**	EDSIG Abstract Transitioning a Systems Design and Analytics Course for Analytics Project Work: Topic and Pedagogical Considerations *Pomykalski*, Susquehanna University, **(4787)**
Marriott 6/7	Sharp, Jason	CONISAR Paper Privacy Understanding Cyberstalking through the Analysis of Student's Online Activity *Paullet*, Robert Morris, *Chawdhry*, California U of Penn., **(4821)**	EDSIG Paper Pedagogy (Innovation in) Keeping the MIS Capstone Relevant: Three Cases *Mew*, University of Richmond, *Money*, The Citadel, **(4644)**	EDSIG Case (Teaching or Business) Establishing Industry-Course Partnerships (ICP): Innovative Learning in Business Analytics Courses *Parks*, Quinnipiac University, **(4774)**	

Thursday, Nov 01 - 1:30 pm to 2:35 pm

Location	Chair	1:30 to 1:55 pm	1:55 to 2:20 pm	2:20 to 2:35 pm
Chesapeake 2	Matta, Vic	EDSIG Paper Pedagogy (Innovation in) Simulation for Network Education: Transferring Networking Skills Between Simulated to Physical Environments *Marquardson*, Northern Michigan University, *Gomillion*, Texas A&M University, **(4617)**	EDSIG Paper Pedagogy (Innovation in) Cooperative Learning Activities for Introduction to MIS *Connolly*, James Madison University, *Rush*, Boise State University, **(4619)**	EDSIG Abstract Building and Launching a Student-run I.T. Consulting Venture *Podeschi*, Millikin University, **(4782)**
Marriott 1	Parks, Rachida	EDSIG Case (Teaching or Business) System Development and Data Modeling for Mark's Doggy Daycare and Boutique *Schwieger*, *Humphrey*, Southeast Missouri State University, **(4764)**	EDSIG Case (Teaching or Business) The Course Registration App: A Low Code Development Scenario to Support Core IS Courses *Mew*, University of Richmond, *Field*, Mendix, **(4775)**	EDSIG Abstract Effective Internships: A Study Combining Curriculum Development, Student Performance, and Program Assessment *Reynolds*, *Ferguson*, *Leidig*, *Hornik*, Grand Valley State University, **(4785)**
Marriott 5	Saulnier, Bruce	EDSIG Paper Pedagogy (Innovation in) Reflections on Applying the Growth Mindset Approach to Computer Programming Courses *Payne*, *Babb*, *Abdullat*, West Texas A&M University, **(4641)**	EDSIG Paper Pedagogy (Innovation in) Certifying Business Students in Microsoft Office Specialist Certification Excel Core Exam: Lessons Learned *Bakir*, *Dana*, *Abdullat*, West Texas A&M University, **(4618)**	EDSIG Abstract Implementing Trigger Automation Activities in Business Marketing Courses *Berardi*, *Thacker*, Kent State University at Stark, **(4795)**
Marriott 6/7	Petkova, Olga	EDSIG Paper Curriculum (Model / Assessment) Approaches to Incorporating IT Entrepreneurship into the Information Systems Curriculum *Jones*, *Liu*, California State University, Northridge, **(4604)**	EDSIG Paper Pedagogy (Innovation in) Applying an Agile Approach in an Information Systems Capstone Course *Adkins*, *Tu*, Northwest Missouri State University, **(4622)**	EDSIG Abstract Using Contextual Semantic Search to Gather Actionable Insights for Curriculum Development: A Research Proposal *Igoche*, Robert Morris University, **(4796)**

Thursday, Nov 01 - 3:00 pm to 3:50 pm

Location	Chair	3:00 to 3:25 pm	3:25 to 3:50 pm
Chesapeake 2	Reynolds, John	CONISAR Paper Applied IS Research / Methodologies Improve the Loyalty of Mobile Payment Users in China by Increasing the Fit between Skill, Technology and Task *Chen, Choi, Xiong*, Appalachian State University, *Tang*, U of Electronic Science and Technology of China, **(4802)**	CONISAR Paper Applied IS Research / Methodologies An Interdisciplinary Approach to Examining the Adoption of Drone Delivery Services *Chen, Choi*, Appalachian State University, *Charoen*, NIDA Business School, **(4803)**
Elizabeth Boardroom		EDSIG Town Hall	
Marriott 1	Igoche, Diane	EDSIG Paper Curriculum (Model / Assessment) A Nationwide Exploratory Study on Faculty Opinions on Student Preparation, Performance, and Evaluations *Rebman*, University of San Diego, *Wimmer*, Georgia Southern University, *Booker*, Minnesota State University Mankato, **(4648)**	EDSIG Paper Teaching Cases Data Cleansing: An Omission from Data Analytics Coursework *Snyder*, Colorado Mesa University, **(4631)**
Marriott 5	Adkins, Joni	EDSIG Paper Pedagogy (Innovation in) A Case Study on Using the Mendix Low Code Platform to support a Project Management Course *Mew*, University of Richmond, *Field*, Mendix, **(4621)**	EDSIG Paper Pedagogy (Innovation in) Learning by Teaching through Collaborative Tutorial Creation: Experience using GitHub and AsciiDoc *Marquardson*, Northern Michigan University, *Schuetzler*, University of Nebraska - Omaha, **(4603)**
Marriott 6/7		EDSIG Workshop Be a Job Placement Superhero: Insider Strategies to Help Your Students Land Top Jobs in Analytics, Blockchain and More *Decker*, IBM, **(4759)**	

Friday, Nov 02 - 8:45 am to 10:00 am

Location	Chair	8:45 to 9:10 am	9:10 to 9:35 am	9:35 to 10:00 am
Chesapeake 2	Hassler, Edgar	CONISAR Paper Security / Networks / Communications The use of Snap Length in Lossy Network Traffic Compression for Network Intrusion Detection Applications *Smith*, US Army Research Laboratory, *Hammell II*, Towson University, **(4806)**	CONISAR Paper Security / Networks / Communications Importance of Features in Adversarial Machine Learning for Cyber Security *De Lucia*, *Cotton*, University of Delaware, **(4809)**	CONISAR Paper Web Applications, Web 2.0 Evaluation of Google Vision API for Object Detection in General Subject Images *Schultz*, *Adams*, Tarleton State University, **(4814)**
Marriott 1	Iyer, Lakshmi	EDSIG Paper Other IS/IT/CS Topics The Contribution of the CISSP (Certified Information Systems Security Professional) to Higher Education Research *Brown*, Texas A&M - Central Texas, **(4601)**	EDSIG Paper Other IS/IT/CS Topics Building the Physical Web: A Campus Tour Using Bluetooth Low Energy Beacons *OConnell*, *Frydenberg*, Bentley University, **(4613)**	EDSIG Paper Other IS/IT/CS Topics From the Campus to the Conference "A Case Study in the Design and Development of Cyber Contests for Professional Conferences" *Brown*, *Pike*, California State Polytechnic University, **(4640)**
Marriott 5	Lawler, James	EDSIG Paper Pedagogy (Innovation in) Process-Focused Approach to a Systems Analysis & Design Group Project *Mukherjee*, *Bleakney*, University of Florida, **(4629)**	EDSIG Paper Pedagogy (Innovation in) Teaching of Clinical Workflow Analysis with Process Mining: An Experience Report *Shahriar*, *Zhang*, Kennesaw State University, **(4658)**	EDSIG Paper Pedagogy (Innovation in) Collaborative Education: Building a Skilled Software Validation and Verification Community *Acharya*, *Manohar*, *Wu*, Robert Morris University, **(4645)**
Marriott 6/7		EDSIG Panel Creating a Culture for Internships and Experiential Learning *Dillon*, James Madison University, *Dillon*, University of South Carolina, *Payne*, West Texas A&M University, **(4732)**		

Friday, Nov 02 - 10:30 am to 12 Noon

Location	Chair	10:30 to 10:55 am	10:55 to 11:20 am	11:20 to 11:45 am	11:45 to 12 Noon
Chesapeake 2	De Lucia, Michael	CONISAR Paper Ethical / Legal / Privacy Can Social Media Accounts Have an Impact on Hiring Decisions? Guidelines for Appropriate Use *Kim*, Walsh University, **(4807)**	CONISAR Paper Ethical / Legal / Privacy Commercial Drone Activity: Security, Privacy, and Legislation Issues *Vannoy*, *Medlin*, Appalachian State University, **(4817)**	CONISAR Paper Ethical / Legal / Privacy Privacy and Security Issues Associated with Mobile Dating Applications *Hayes*, Pace University, **(4823)**	EDSIG Abstract The Emergence of Business Analytics in Information Systems from 2011-2018 *Chudoba*, *Mills*, *Fadel*, Utah State University, **(4798)**
Marriott 1	Brown, Randy	EDSIG Paper Data Analytics (Education in) A Cross Collegiate Analysis of the Curricula of Business Analytics Minor Programs *Burns*, *Sherman*, Ramapo College of New Jersey, **(4634)**	EDSIG Paper Data Analytics (Education in) Integrating Big Data Analytics into an Undergraduate Information Systems Program using Hadoop *DeBo*, *Podeschi*, Millikin University, **(4632)**	EDSIG Paper Data Analytics (Education in) Querying Bitcoin Blockchain Using SQL *Yue*, University of Houston - Clear Lake, *Chandrasekar*, *Gullapalli*, University of Houston-Clear Lake, **(4607)**	EDSIG Abstract Ethical Hacking Skills: Review of Pedagogical Approaches and Recommendation of Best Practices *Hartley*, *Iyer*, *Taylor*, Appalachian State University, **(4790)**
Marriott 5		EDSIG Workshop Build real web and mobile apps in your classroom. No coding needed. Free with Mendix! *Field*, Mendix, **(4757)**			
Marriott 6/7	Clark, Jon	EDSIG Panel Beyond #MeToo: Uprooting unconscious bias in STEM fields *Breese*, Indiana University South Bend, *Scott*, Agile Edge, *Kim*, Walsh University, *Stork*, Robert Morris University, *Breimer*, Siena College, **(4731)**		EDSIG Info Journal of Information Systems Education (JISE) Information Session *Freeman*, University of Michigan – Dearborn, **(4756)**	EDSIG Abstract Using Jupyter Notebooks and GitHub to Create Explorable Explanations in Python and SAS Classes: Early Experience *Clapper*, Western Carolina University, **(4784)**

Friday, Nov 02 - 1:45 pm to 3:00 pm

Location	Chair	1:45 to 2:10 pm	2:10 to 2:35 pm	2:35 to 3:00 pm
Chesapeake 2	Breese, Jennifer	EDSIG Paper Pedagogy (Innovation in) A Study of Gender Bias in Grading in the MCIS Program at CSU from 2013 through 2017 *Clark*, *Goyal*, Colorado State University, **(4605)**	EDSIG Paper Pedagogy (Innovation in) Engaging College Students on Collaborative Projects with People with Cognitive Disabilities through e-Portfolios *Lawler*, *Joseph*, Pace University, **(4606)**	EDSIG Paper Pedagogy (Innovation in) Knowledge and Skill Gaps in Programming *Wang*, *Bromall*, Robert Morris University, **(4647)**
Marriott 1	Brown, Brandon	EDSIG Paper Other IS/IT/CS Topics Software Concepts Emphasized In Introductory Programming Textbooks *McMaster*, *Rague*, Weber State University, *Sambasivam*, Azusa Pacific University, *Wolthuis*, Brigham Young University-Hawaii, **(4649)**	EDSIG Paper Other IS/IT/CS Topics Dotting i's and Crossing T's: Integrating Breadth and Depth in an Undergraduate Cybersecurity Course *Yates*, *Frydenberg*, *Waguespack*, *McDermott*, *OConnell*, *Chen*, Bentley University, *Babb*, West Texas A&M University, **(4654)**	EDSIG Workshop Forge Cybersecurity Skills with Palo Alto Networks *Yohannan*, *Trevethan*, Palo Alto Networks, **(4753)**
Marriott 5	Blundell, Gregory	EDSIG Paper Curriculum (Model / Assessment) Toward CAE-CDE 4Y Designation through Curriculum Modernization of a Traditional Computer Science Undergraduate Program *Wei*, *Yang*, *Davari*, *Sha*, University of Houston-Clear Lake, *Jacob*, University of Houston Clear Lake, **(4657)**	EDSIG Paper Curriculum (Model / Assessment) What! No GUI? *Goldstein*, Siena College, **(4635)**	EDSIG Paper Curriculum (Model / Assessment) Principles of Program Revision for Computing Degrees: A Data-Driven 360 Degree Program Review Model *Peltsverger*, KSU, *Li*, Kennesaw Sate University, *Rutherfoord*, Kennesaw State University, **(4653)**
Marriott 6/7		EDSIG Workshop Using Active Learning and Agile Platform Development to Transform Introductory MIS Courses *Sylvester*, *Ploskonka* , McGraw Hill Higher Education, *Tedmond* , *Wilhelm*, North Idaho College, **(4755)**		

Friday, Nov 02 - 3:20 pm to 4:25 pm

Location	Chair	3:20 to 3:45 pm	3:45 to 4:10 pm	4:10 to 4:25 pm
Chesapeake 2	Hayes, Darren	CONISAR Paper Business Intelligence / Big Data Standardizing Public Utility Data: A Case Study of a Rural Mid-Size Utility *Hassler*, *Cazier*, *Russell*, *Mueller*, *Paprocki*, Appalachian State University, **(4818)**	CONISAR Paper Business Intelligence / Big Data A Machine Learning Approach to Optimizing Diabetes Healthcare Management Using SAS Analytic Suite *Ajani*, Ferrum College, *Habek*, North Carolina State University, **(4810)**	EDSIG Abstract Understanding the Contemporary and Forward-Looking Technology Needs of Employers for Integration in a Business Curriculum *Blundell*, *Berardi*, Kent State University at Stark, **(4793)**
Marriott 1	Frydenberg, Mark	EDSIG Paper Other IS/IT/CS Topics IT Infrastructure Strategy in an Undergraduate Course *Pike*, *Brown*, California State Polytechnic University, Pomona, **(4651)**	EDSIG Paper Other IS/IT/CS Topics Teaching Formal Methods in the Context of Model Driven Engineering *Favre*, Universidad Nacional del Centro de la Provincia de Buenos Aires, **(4650)**	EDSIG Abstract The pedagogy of emergency management academic programs: A balance between training and education *Yakubu*, University of New Haven, **(4783)**
Marriott 5	Mukherjee, Aditi	EDSIG Workshop Pega's University Academic Program *Vandewege*, Pegasystems, **(4754)**	EDSIG Paper Curriculum (Model / Assessment) Peer Tutors: To Embed or Not to Embed *Kunene*, Eastern Connecticut State University, **(4646)**	EDSIG Abstract Applying an Agile Collaborative Design Factory Methodology to Course Projects of STEM *Lawler*, Pace University, **(4781)**
Marriott 6/7	Yue, Kwok-Bun	EDSIG Panel Teaching blockchain: Technology, applications and implications *Yates*, Bentley University, *Mentzer*, Bryant University, **(4736)**		EDSIG Abstract An Examination of Project Context in Improving Computer Programming Pedagogy *Iyer*, *Hassler*, Appalachian State University, *Dissanayake*, UNC Greensboro, *Bedeley*, UMASS Amherst, **(4791)**

Saturday, Nov 03 - 9:00 am to 10:15 am

Location	Chair	9:00 to 9:25 am	9:25 to 9:50 am	9:50 to 10:15 am
Chesapeake 2	Smith, Michael	EDSIG Paper Other IS/IT/CS Topics Interim Awardee Outcomes after Four Years of a STEM Scholarship Program *Sorkin*, *Braman*, *Yancy*, Community College of Baltimore County, **(4627)**	EDSIG Paper Other IS/IT/CS Topics Reflections on Appling for CAE-CDE Designation *Clark*, University of North Carolina Wilmington, *Stoker*, UNCW, **(4630)**	EDSIG Event EDSIG Fellows Meeting
Marriott 1	Ceccucci, Wendy	CONISAR Paper Other Applied Research Topics Changes in the Information Technology Field: A Survey of Current Technologies and Future Importance *Cummings*, *Janicki*, UNCW, **(4804)**	CONISAR Paper Other Applied Research Topics Where We are with Enterprise Architecture *Halawi*, Embry Riddle Aeronautical U, *McCarthy*, Quinnipiac University, *Farah*, Jacksonville University, **(4801)**	CONISAR Paper Other Applied Research Topics Effects of Normalization Techniques on Logistic Regression in Data Science *Adeyemo*, *Wimmer*, Georgia Southern U, *Powell*, Bloomsburg University, **(4813)**
Marriott 5	Louch, Michelle	EDSIG Paper Pedagogy (Innovation in) Teaching Professionalism and Ethics in Information Technology by Deliberative Dialogue *Lester*, Sam Houston State University, *Dalat-Ward*, Fort Hays State University, **(4608)**	EDSIG Paper Pedagogy (Innovation in) Active Learning Using Debates in An IT Strategy Course *Woods*, Miami University, **(4620)**	EDSIG Paper Pedagogy (Innovation in) Easy as Py: A First Course in Python with a Taste of Data Analytics *Frydenberg*, *Xu*, Bentley University, **(4614)**

Saturday, Nov 03 - 10:30 am to 12 Noon

Location	Chair	10:30 to 10:55 am	10:55 to 11:20 am	11:20 to 11:45 am	11:45 to 12 Noon
Chesapeake 2	Lester, Li-Jen	EDSIG Paper Pedagogy (Innovation in) A Preliminary Study: The Use of VoiceThread in Online Business Courses *Dalat-Ward*, *Ward*, Fort Hays State University, *Lester*, Sam Houston State University, *Tao*, Fort Hays State University, **(4609)**	EDSIG Paper Pedagogy (Innovation in) Hour of Code: A Study of Gender Differences in Computing *Du*, Grand Valley State University, *Wimmer*, Georgia Southern University, **(4624)**	EDSIG Paper Other Education Topics A Sampling of IT Service Learning Activities: Possible Impact on Students and Community Partners *Powell*, Bloomsburg University, *Wimmer*, Georgia Southern University, **(4639)**	EDSIG Abstract Measuring the return on investment regarding presence in the online classroom *Louch*, Duquesne University, **(4786)**
Marriott 1	Alexander, Lewis	EDSIG Case (Teaching or Business) Building Teams with Legos *Jones*, *McCarthy*, Quinnipiac University, **(4768)**	EDSIG Case (Teaching or Business) Alpha Insurance: A Predictive Analytics Case to Analyze Automobile Insurance Fraud using SAS Enterprise Miner *McCarthy*, *Ceccucci*, Quinnipiac University, *McCarthy*, Central Connecticut State University, *Halawi*, Embry-Riddle Aeronautical University, **(4761)**	EDSIG Case (Teaching or Business) IT Disconnect at Cascade Sustainable Energy *Woods*, Miami University, **(4773)**	EDSIG Abstract Using VBA to provide fast, personalized feedback to assignments submitted electronically *Smith*, Georgia Institute of Technology, **(4792)**
Marriott 5	Kunene, Niki	EDSIG Paper Curriculum (Model / Assessment) Toward Visualizing Computing Curricula: The Challenge of Competency *Waguespack*, Bentley University, *Babb*, West Texas A&M University, **(4633)**	EDSIG Paper Curriculum (Model / Assessment) The Soul of the Introductory Information Systems Course *Schell*, *Modaresnezhad*, UNCW, **(4643)**	EDSIG Paper Curriculum (Model / Assessment) Information System Curriculum versus Employer Needs: A Gap Analysis *Leonard*, University of Tulsa, *Jones*, *Lang*, Quinnipiac University, **(4636)**	EDSIG Abstract Critical Thinking Task for Information Technology Project Management *Sibona*, UNCW, **(4794)**

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