



International Association for
Computer Information Systems

61st Annual International Conference

October 6 - 8, 2021

Virtual Conference Program

Conference Theme: Big Data Analytics



The IACIS 2021 Conference Program is an official publication of the
INTERNATIONAL ASSOCIATION FOR COMPUTER INFORMATION SYSTEMS

WELCOME

This is our 61st annual international conference and because of the uncertainty of the pandemic, our second virtual, synchronous conference. Your IACIS board has worked diligently to navigate the organization through these difficult times during the pandemic. Now, for the second year we had to make the very difficult decision months ago to convert from a face-to-face conference to virtual. We were able to renegotiate this year's scheduled Golden Nugget, Las Vegas Conference with essentially the same contract for 2022. Therefore, we are planning and surely hope to see you face-to-face in Las Vegas next year.

In May, we held our second, very successful IACIS European Conference. Our plan is to continue this conference every summer going forward. This year, the conference was scheduled to be held in Warsaw, Poland, at the Warsaw University of Life Sciences. However, due to COVID-19 and international travel restrictions, it was converted to a fully online environment. The success of the European conferences has not only added significant numbers to our membership but demonstrates that IACIS can readily provide value and reach professionals throughout the globe. The 2022 European conference will be held in Warsaw, Poland, with the cooperation of the Warsaw University of Life Sciences. We are studying the prospect of additional European sights for future IACIS European Conferences.

So, welcome to the 61st Annual Conference of the International Association for Computer Information Systems. This year, we are hosting the conference fully online with synchronous keynotes, presentations, and networking sessions. Please take advantage of the networking room to meet people and discuss topics from any of the presentations.

This year's theme, *Big Data Analytics*, generated significant interest by authors for full papers, panels, and presentations. Topics range from applications of Big Data Analytics, Business Skills for Data and Analytics Professors; Data Architecture; Big Data Analytics Outcomes and Strategies; Privacy; Cybersecurity; Teaching Big Data Analytics strategies; New courses for Big Data Analytics and more.

Participation in the IACIS conference provides added benefits. All submissions undergo a double blind-peer reviewed process. High-ranking research and pedagogy full papers are selected for presentation at the IACIS conference and published in, *Issues in Information Systems (IIS)* and accessed at IACIS.org. *IIS* is an open access double-blind refereed, serial journal publication of IACIS that is registered with the U.S. Library of Congress (ISSN 1529-7314) and listed in the current Edition of Cabell's Directory of Publishing Opportunities in Management and Marketing, DOAJ, URICHS Web, and The Index of Information Systems Journals. Additionally, all paid registrants will receive one full year subscription for 2022 to our flagship journal, *The Journal of Computer Information Systems*.

Please view it at: <https://www.tandfonline.com/toc/ucis20/current>

The IACIS board members thanks you for contributing to the 61st Annual IACIS Conference, and for your continued support. We look forward to lively and meaningful presentations, discussions, and collegial networking.

IACIS EXECUTIVE BOARD MEMBERS

Executive Director	Daryl Nord
Director of Publications & Treasurer	Jeretta Horn Nord
Director of Technology & Operations	Alex Koohang
President & Director of Conference Arrangements	Maria Elena Corbeil
Vice President & 2021 Conference Chair	Joanna Paliszkievicz
Secretary & IIS Editor	Kevin Floyd

ACKNOWLEDGEMENTS

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

AWARD RECIPIENTS



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

VIRTUAL PRESENTATION SESSIONS

PRESENTATION DURATION

There will be 3 presentations during each 1-hour presentation session.
Each presentation will have **20 minutes, including questions/answers.**

Panels will have 1 hour for the session.

IMPORTANT:

- To facilitate the online presentation process, we ask that all presenters be online and in the online room of their presentation at least 5 minutes before each session.
- If you are a presenter, please present in the order listed in the schedule below.

Attendees will go in and out of the online rooms based on the presentations they want to see. They will expect to see the presentations in the order of the schedule below.

Session Chairs will be available to help keep the time for each presentation.

Zoom Guide

Please visit the IACIS.org websites for a guide on how to log in, attend, and share the screen (to share your slides during your presentation) using Zoom.

WORLD & U.S. TIME ZONES

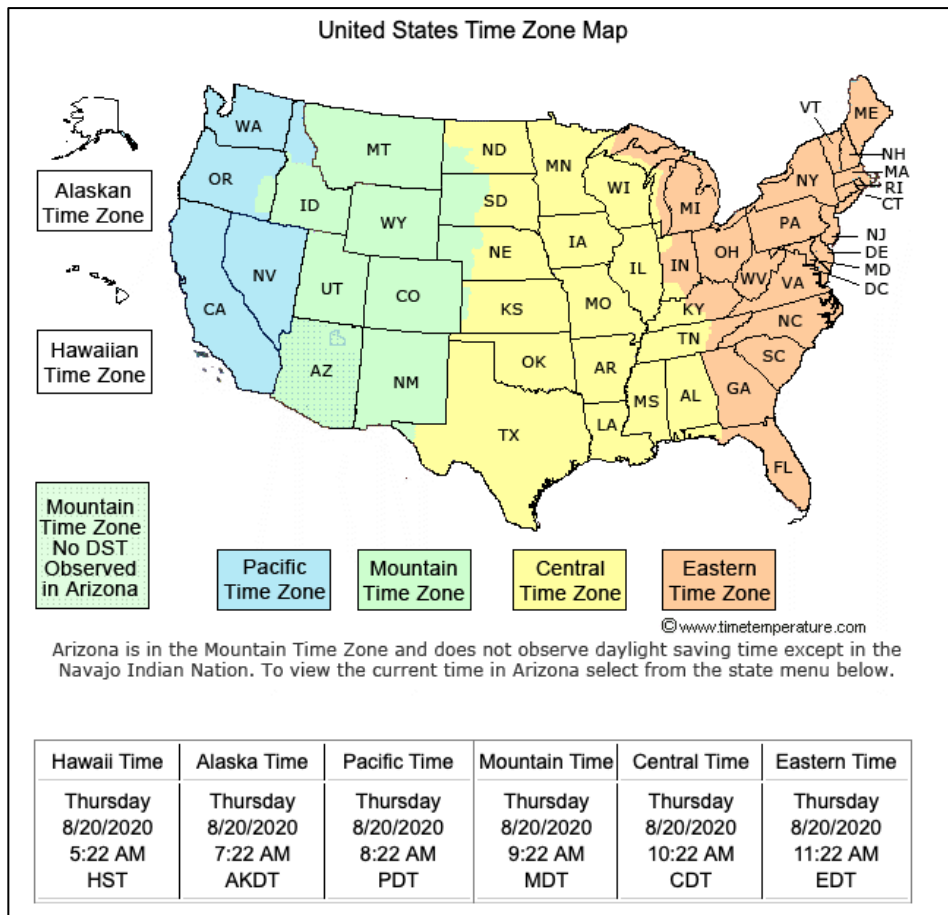
All presentations in the Conference Schedule below are scheduled according to **Central Daylight Time (CDT)**. Please see the time zone in yellow on the United States Time Zone Map below.

World Time Zone Interactive Map

Click on the link below to view an interactive map where we can click and see the current time for any place in the world.

<https://www.timeanddate.com/time/map>

U.S. Time Zone Map



Source: TimeTemperature.com (n.d.).

https://www.timetemperature.com/tzus/time_zone.shtml

PROGRAM OVERVIEW

All presentations in the Conference Schedule below are scheduled according to **Central Daylight Time (CDT)**.

The conference website will be made available a few days before the conference with the links to each online presentation room.

Wednesday, October 6, 2021

6:00 – 7:00 p.m. CDT	Welcome Reception
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Thursday, October 7, 2021

9:00 – 10:00 a.m. CDT	Welcome & Keynote Address
10:10 – 11:10 a.m. CDT	Concurrent Presentation Sessions
11:20 – 12:20 p.m. CDT	Concurrent Presentation Sessions
12:30 – 1:00 p.m. CDT	Networking Break
1:00 – 2:00 p.m. CDT	Concurrent Presentation Sessions
2:10 – 3:10 p.m. CDT	Concurrent Presentation Sessions
3:20 – 4:20 p.m. CDT	JCIS Editorial Board Meeting

Friday, October 8, 2021

9:00 – 10:00 a.m. CDT	Keynote Address
10:10 – 11:10 a.m. CDT	Concurrent Presentation Sessions
11:20 a.m. – 12:20 p.m. CDT	Concurrent Presentation Sessions
12:30 – 1:30 p.m. CDT	Awards Ceremony
1:40 – 2:40 p.m. CDT	Concurrent Presentation Sessions
2:50 – 3:50 p.m. CDT	Concurrent Presentation Sessions
3:50 – 4:20 p.m. CDT	Closing Ceremony

KEYNOTE SPEAKER

ANGELICA MAROTTA

Angelica Marotta is a Research Affiliate in Cybersecurity at MIT Sloan (CAMS) Center at the Massachusetts Institute of Technology (MIT).

Angelica's research explores several topics, including cybersecurity culture, risk management, and regulatory compliance. Angelica is also conducting research in association with the National Research Council of Italy (CNR).

She has an interdisciplinary background having studied and worked in a variety of fields. She earned a bachelor's degree in Computer Science from the University of Pisa, a Graduate Certificate in Cyber Security, and a master's degree in Justice Studies with a specialization in Cyber Security from Southern New Hampshire University.

She is also a Certified Information Security Management System Auditor (ISO/IEC 270001). In addition to her research activity, she teaches Ethical Management in Public Safety in the Homeland Security and Emergency Management program at Thomas Edison State University in Trenton, NJ. Angelica is a frequent presenter at international conferences and co-authored several papers on cyber insurance, risk management, cybersecurity culture, and compliance. She has earned numerous professional distinctions, including winning the *2021 Best Paper Award* at the IACIS (International Association for Computer Information Systems) Europe Conference.



KEYNOTE SPEAKER

DR. JOSE LUIS GUERRERO-CUSUMANO

Dr. Guerrero-Cusumano is a Tenured Associate Professor at Georgetown University. He is a faculty member of the Operations and Information Management (OPIM) group at Georgetown Business School.



He has been faculty at Georgetown since 1989. He holds a Ph.D. in Industrial Engineering and a Master of Sciences in Statistics degree from the Mathematics Department of the University of Illinois. He is also an Economics Statistician from Rosario University's School of Economics Science in Argentina. In 2008, he was awarded an Honorary Doctorate, Doctor Honoris Causa in Administration, by Ovidius University (Romania).

In 2008, he was elected a Fellow at the Judge Business School at Cambridge University in Great Britain. He was also an Executive Editor of the *Globalization, Competitiveness and Governability* journal published by Georgetown U-Universia, Spain.

Professor Guerrero-Cusumano was a former academic director of the Corporate International Master of International Business at the Georgetown University School of Business. He was former Director of the International Institute on Government, Management, and Policy at Georgetown U. He serves as the business programs academic director for the Georgetown Center of International Education and Development.

His research areas include Information Management, International Business, Business Intelligence, Big and Small Data, Data Mining, Text Mining, International Business, Social Responsibility, Quality of Service, Business Forecasting, Six Sigma, and Quality Improvement. He speaks seven languages fluently (Dutch, English, French, German, Italian, Portuguese, and Spanish).

He has been awarded numerous international prizes on research and teaching, including the *2021 Distinguished Professor Award* awarded by the Industrial Engineering and Operations Management (IEOM) Society International.

IACIS RECOGNITION AWARDS OVERVIEW

With the awards described below, each year, IACIS recognizes individuals who have made significant contributions to Information Systems and related fields through scholarship, research, publication, curriculum and program development, and service.

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 professional 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 educational community. Nominations for the *Computer Educator of the Year* are accepted from September until March, with the selection made in June or July. The award is presented 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 established an 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. Examples of service 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* is on significant and long-term service.

The 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* is on the candidate's potential and promise for a significant academic career.

Nominations are accepted for both junior and senior faculty, with one candidate from all nominations selected each year to receive the award. Nominations for the *Ben Bauman Award for Excellence* are accepted from September until March, with the selection made in June or July. The awards are presented at the annual conference in the fall.

Jay Liebowitz Outstanding Student Research Award

The *Jay Liebowitz Outstanding Student Research Award* is an award that recognizes an 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 include: (1) contribution of the research to the existing literature; (2) research methodology, data collection, and analysis; (3) lessons learned; and (4) clarity of the writing. The award is presented at the annual IACIS International Conference.

Best Pedagogy Paper

An award for the best paper written regarding pedagogy is awarded at the annual conference. Based on the results of the double-blind, peer reviews, the paper is selected from those submitted for presentation at the conference. An Honorable Mention will also be awarded in this category. There is no nomination for this award and all papers accepted for presentation at the conference are candidates.

Best Research Paper

An award for the best paper written regarding research is awarded at the annual conference. Based on the results of the double-blind, peer reviews, the paper is selected from those submitted for presentation at the conference. An Honorable Mention will also be awarded in this category. There is no nomination for this award and all papers accepted for presentation at the conference are candidates.

AWARD RECIPIENTS

Computer Educator of the Year

Yogesh K. Dwivedi

Yogesh K. Dwivedi is a Professor of Digital Marketing and Innovation, Founding Director of the Emerging Markets Research Centre (EMaRC), and Director of Research at the School of Management, Swansea University, Wales, UK. In addition, he holds a Distinguished Research Professorship at the Symbiosis Institute of Business Management (SIBM), Pune, India. Professor Dwivedi is also currently leading the *International Journal of Information Management* as its Editor-in-Chief.



Professor Dwivedi completed his Ph.D. and M.Sc. in Information Systems at Brunel University London, UK, an M.Sc. in Plant Genetic Resources at the Indian Agricultural Research Institute (New Delhi, India) and his B.Sc. (with Botany, Zoology, and Chemistry) at the University of Allahabad (Prayagraj, India). His research interests are at the interface of Information Systems (IS), Marketing and Operations Management focusing on issues related to consumer adoption and diffusion of emerging digital innovations, use of IS/IT for operations and supply chain management, digital government, and digital marketing particularly in the context of emerging markets.

Professor Dwivedi has successfully supervised more than 20 doctoral students to completion and has examined more than 70 doctoral theses at various institutions from Australia, India, Malaysia, Mauritius, Pakistan, the Netherlands, and the UK. In recognition of his efforts to provide supportive, stimulating, and inspirational supervision, Professor Dwivedi was selected as one of the five finalists for the “2017 Outstanding Research Supervisor of the Year” Award as part of the prestigious annual *Times Higher Education Awards*. This nomination was a tremendous achievement and deservedly apt, given Professor Dwivedi’s commitment to supporting scholars at all stages of their careers. Given his contributions to academia he has also been awarded the AMITY Global Academic Excellence Award 2019, and Brunel University’s Alumnus of the Year Award 2019.

He has published more than 400 articles in a range of leading academic journals and conferences that are widely cited (more than 26 thousand times as per Google Scholar).

He was recently named on the annual Highly Cited Researchers™ 2020 list from Clarivate Analytics.

He has co-edited/co-authored more than 20 books on technology adoption, e-government, Information Systems theory, e-Word of Mouth, and social media which have been published by international publishers such as Chandos Publishing (an imprint of Elsevier), Springer, Chapman and Hall/CRC Press, Routledge, and Emerald.

Professor Dwivedi is an Associate Editor of the *European Journal of Marketing*, *Government Information Quarterly*, *Journal of Business Research* and *International Journal of Electronic Government Research*, and Senior Editor of the *Journal of Electronic Commerce Research*. He has also acted as the co-editor of 20 journal special issues; organized tracks, mini-tracks and panels in leading conferences and served as the conference and program co-chairs of several international conferences including Program Co-Chair of the 2013 IFIP WG 8.6 Conference on *Grand Successes and Failures in IT: Public and Private Sectors* and as Conference Chair of the IFIP WG 6.11 I3E2016 Conference on *Social Media: The Good, the Bad, and the Ugly*. He is the founding editor of the Springer Book Series on *Advances in Theory and Practice of Emerging Markets* (<http://www.springer.com/series/15802>).

More information about Professor Dwivedi can be found at:
<http://www.swansea.ac.uk/staff/som/academic-staff/y.k.dwivedi/>

Ben Bauman Award for Excellence

Kevin Floyd

Dr. Kevin Floyd is associate dean and professor of information technology at Middle Georgia State University. His teaching interests include web technologies, database design and development, leadership in IT, and research methods. He has published numerous articles in the areas of cybersecurity, leadership and ethics, and instructional technology. He has presented his research findings at conferences nationally and internationally.



At Middle Georgia State, Kevin's professional accomplishments include working and mentoring junior faculty with research projects and teaching best practices, helping lead the development of the University's graduate programs – a Master of Science and a Doctor of Science in Information Technology. Under his leadership, the university has received the Centers of Academic Excellence in Cyber Defense Education (CAE-CD) designation from the National Security Agency (NSA).

In 2019, Kevin served as project manager for the Wi-Fi Macon project, a \$40,000 local grant to implement and install public Wi-Fi in downtown Macon as part of the city's revitalization efforts. He served as Co-PI of a \$1.3 million NSF multi-institutional award that resulted in building a state-of-the-art Cyberforensics Lab for the School of Computing at Middle Georgia University. This grant also included numerous security training and presentations at various universities and the community.

He currently serves as the Secretary of the Executive Board & the IIS Editor to the International Association for Computer Information Systems (IACIS). He is also the web administrator for the IACIS and is an active reviewer for the National Security Agency (NSA) Centers of Academic Excellence in Cyber Defense (CAE-CD) program. Kevin is a recipient of the prestigious Director's Award from the IACIS for his many years of service and dedication to the profession.

Kevin has been recognized with university awards for service, academic achievements, and research/scholarship, including several Best Paper Awards and an Executive Leadership certificate from the University System of Georgia's Executive Leadership Institute.

Jay Liebowitz Outstanding Student Research Award

A REVIEW ON COVID-19 RELATED RESEARCH IN LEADING INFORMATION SYSTEMS JOURNALS

Yuming He, Old Dominion University, Student
Wenzhuo li, Old Dominion University, Student
Xin Tian, Kennesaw State University, Faculty
Yunfei Xing, Central China Normal University, Student researcher

Best Paper Award – Pedagogy

DATA PRIVACY IN THE AGE OF BIG DATA ANALYTICS

Ball State University
Christopher B. Davison
Edward J. Lazaros
Jensen J. Zhao
Allen D. Truell
Brianna Bowles

Best Paper Award – Research

HONEYPOTS AND KNOWLEDGE FOR NETWORK DEFENSE

Robert Morris University
Ping Wang

University of Maryland
Hubert D’Cruze

ONLINE CONFERENCE SCHEDULE

Wednesday, Oct. 6, 2021

<p>6:00 – 7:00 pm. Central Daylight Time</p>	<p>Welcome Reception</p> <p>Join us for some time together to catch up, get to know new members, and network!</p>	<p>Online Room: Redstone</p>
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Thursday, October 7, 2021

Thursday, October 7, 2021, 9:00 – 10:00 a.m. (Central Daylight Time)

<p>Compliance vs Security: Parallel Convergences? Keynote Address by Angelica Marotta Research Affiliate, Cybersecurity at MIT Sloan (CAMS) Center Massachusetts Institute of Technology (MIT)</p>	<p>Online Room: Redstone</p>
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Thursday, October 7, 2021, 10:10 – 11:10 a.m. (Central Daylight Time)

<p>Online Room: Deer Park Session Chair: Edward J. Lazaros</p>	<p>Online Room: Pike's Peak Session Chair: Ping Wang</p>
<p>Big Data Analytics & Ethics</p> <p>DATA PRIVACY IN THE AGE OF BIG DATA ANALYTICS</p> <p>Best Paper (Pedagogy) Award</p> <p>Ball State University Christopher B. Davison cbdavison@bsu.edu</p> <p>Edward J. Lazaros ejlazaros@bsu.edu</p> <p>Jensen J. Zhao jzhao@bsu.edu</p> <p>Allen D. Truell atruell@bsu.edu</p> <p>Brianna Bowles blbowles@bsu.edu</p>	<p>Cybersecurity Applications</p> <p>CYBERSECURITY RESEARCH CHALLENGES: LOCATING CREDIBLE MATERIAL</p> <p>Kenneth L. Williams American Public University System kewilliams@apus.edu</p> <p>Ping Wang Robert Morris University wangp@rmu.edu</p> <p>CYBERSECURITY STUDENT TALENT RECRUITMENT & DEVELOPMENT: A CASE STUDY</p> <p>Ping Wang Robert Morris University wangp@rmu.edu</p>

<p>BIG DATA ANALYTICS FOR SMART SPORTS USING APACHE SPARK</p> <p>Jacob Reece Carson-Newman University jwreece@cn.edu</p> <p>SeongYong Hong Carson-Newman University shong@cn.edu</p> <p>ETHICS AT THE INTERSECTION OF EMERGING TECHNOLOGIES: BIO-IMAGING + NANOTECHNOLOGY = BIG DATA</p> <p>Donna M. Schaeffer, School of Technology & Innovation, Marymount University donna.schaeffer@marymount.edu</p> <p>Patrick C. Olson, National University polson@nu.edu</p>	<p>SECURITY IMPLICATIONS IN THE TRANSFORMATION OF HEALTHCARE THROUGH INTERNET OF THINGS DEVICES</p> <p>George Ray Shepherd University gray@shepherd.edu</p> <p>Ephais Ruhode Cape Peninsula University of Technology ruhodee@cput.ac.za</p> <p>Albert Mubako Institute for Digital Business Strategy albert.mubako@institutedbs.com</p> <p>Jeff Ray University of Maryland jeffray@umbc.edu</p> <p>Walter Kashiri Institute for Digital Business Strategy walter.kashiri@institutedbs.com</p>
<p>Online Room: Warm Springs Session Chair: Joy Godin</p>	<p>Online Room: Tiger Mountain Session Chair: Johnathan Yerby</p>
<p><i>IT Digitalization</i></p> <p>RESILIENCE AND ECONOMIC INTELLIGENCE BUILD THROUGH DIGITALIZATION – AN IT PERSPECTIVE</p> <p>Iulia Daniela Postolea Economic Informatics Doctoral School iulia.d.postolea@gmail.com</p> <p>Constanta-Nicoleta Bodea Department of Informatics and Economic Cybernetics bodea@ase.ro</p> <p>BUSINESS PROCESS MANAGEMENT AND DIGITAL TRANSFORMATION IN HIGHER EDUCATION</p> <p>Jeannie Pridmore University of West Georgia jpridmor@westga.edu</p> <p>Joy Godin Georgia College and State University joy.godin@gcsu.edu</p>	<p><i>Social Media Research & Applications</i></p> <p>PROLIFERATION OF HEALTH MISINFORMATION ON SOCIAL MEDIA PLATFORMS: A SYSTEMATIC LITERATURE REVIEW</p> <p>Piyush Vyas Dakota State University piyush.vyas@trojans.dsu.edu</p> <p>Gitika Vyas Rajasthan Technical University gitika.dadhich@gmail.com</p> <p>Jun Liu Dakota State University jun.liu@dsu.edu</p> <p>SOURCE CREDIBILITY IN SOCIAL MEDIA: A CASE STUDY OF A REDDIT COMMUNITY</p> <p>Amy Hartzell Robert Morris University amykhartzell@gmail.com</p>

DEVOPS PARADIGM: A PEDAGOGICAL APPROACH TO MANAGE AND IMPLEMENT IT PROJECT

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SOCIAL MEDIA PRIVACY CONCERNS, SECURITY CONCERNS, TRUST, AND AWARENESS: EMPIRICAL VALIDATION OF AN INSTRUMENT

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**Room: Redstone
Networking**



Networking available all day.
Join us any time during the conference.

Thursday, October 7, 2021, 11:20 a.m. – 12:20 p.m. (Central Daylight Time)

Room: Deer Park
Session Chair: Abdou Illia

IT Business Applications

DETERMINANTS OF CRYPTOCURRENCY EXCHANGES ADOPTION

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**POWERFUL OR POINTLESS?
EXAMINING THE EFFECT OF EXCEL
ON BUSINESS STATISTICS SUCCESS**

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**AN OVERVIEW OF CURRENT BUSINESS
ANALYTICS PROGRAMS ACROSS US
AACSB SCHOOLS**

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Room: Pike's Peak
Session Chair: Philip Kim

Innovations in Learning

**DESIGNING CYBERSECURITY CURRICULUM:
EXPLORING THE NEED FOR INDUSTRY
CERTIFICATIONS AND EXPERIENTIAL
LEARNING**

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**PROPOSING A FRAMEWORK OF GAME-BASED
LEARNING AND ASSESSMENT SYSTEMS**

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**DESIGNING MICROLEARNING MULTIMEDIA
FOR HOW PEOPLE LEARN**

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<p>Room: Warm Springs Session Chair: Matthew McGowan</p>	<p>Room: Tiger Mountain Session Chair: Christopher B. Davison</p>
<p><i>Applications of Analytics</i></p> <p>TOWARD A WEB SERVICE FOR NARRATIVE TEXTUAL ANALYTICS: THE CASE OF STORY ANALYZER</p> <p>Mike Mitri James Madison University mitrimx@jmu.edu</p> <p>BUSINESS ANALYTICS CAPSTONE PROJECT</p> <p>Matthew McGowan Bradley University mmcgowan@fsmail.bradley.edu</p> <p>Paul Stephens Bradley University prs@fsmail.bradley.edu</p> <p>TEACHING NON-TECHNICAL SKILLS IN A DATA ANALYTICS PROGRAM IN HIGHER EDUCATION</p> <p>Donna Cellante Robert Morris University cellante@rmu.edu</p> <p>Jamie Pinchot Robert Morris University pinchot@rmu.edu</p>	<p><i>Program & Course Development Research</i></p> <p>DOES THE SUPPLY OF COLLEGE GRADUATES MEET CURRENT MARKET DEMAND FOR BIG DATA ANALYTICS PROFESSIONALS?</p> <p>Jensen J. Zhao Ball State University jzhao@bsu.edu</p> <p>Allen D. Truell Ball State University atruell@bsu.edu</p> <p>Christopher B. Davison Ball State University cbdavison@bsu.edu</p> <p>Edward J. Lazaros Ball State University ejlazaros@bsu.edu</p> <p>ADVANTAGES, CHALLENGES, AND SUCCESS FACTORS IN IMPLEMENTING INFORMATION TECHNOLOGY INFRASTRUCTURE LIBRARY</p> <p>Alice E. Cook University of North Alabama aecook@una.edu</p> <p>Andrew S. Gann University of North Alabama agann2@una.edu</p> <p>Daniel A. Ray University of North Alabama dray4@una.edu</p> <p>Xihui Zhang University of North Alabama xzhang6@una.edu</p> <p>DEVELOPING A SENIOR PROJECT MANAGEMENT CAPSTONE COURSE FOR INFORMATION SYSTEMS AND TECHNOLOGY MAJORS</p> <p>Renel Smith University of the Virgin Islands renel.smith@uvi.edu</p>

12:30 – 1:00 p.m. (CST)

Networking Break

Online Room: Redstone

Thursday, October 7, 2021, 1:00 – 2:00 p.m. (Central Daylight Time)

Room: Deer Park

Session Chair: Angela R. Stone

Room: Pike's Peak

Session Chair: Leila Halawi

Technology Implementation

**OPENFLOW SWITCH AS A POLICY
BASED SYSTEM**

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**UNDERSTANDING SUCCESS
FACTORS FOR ERP IMPLEMENTATION:
AN INTEGRATION OF LITERATURE
AND EXPERIENCE**

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**THE USE OF METAPHOR IN SYSTEMS
ENGINEERING PRACTICE:
A PRELIMINARY SOCIOLOGICAL STUDY**

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Internet, Virtual Machines, Customer Service

**THE ROLE OF THE INTERNET IN INTELLIGENCE
GATHERING & SPREADING PROPAGANDA**

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**DISTRIBUTED KNN ALGORITHM USING
VIRTUAL MACHINES**

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**CULTURAL DIFFERENCE & CONSUMER
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SERVICES**

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Room: Warm Springs Session Chair: Judy Wynekoop	Room: Tiger Mountain Session Chair: Xin Tian
<p>Program & Course Development</p> <p>DEVELOPING A MASTER’S DEGREE PROGRAM IN DATA SCIENCE</p> <p>John C. Stewart Robert Morris University stewartj@rmu.edu</p> <p>G. A. Davis Robert Morris University davis@rmu.edu</p> <p>Diane Igoche Robert Morris University igoche@rmu.edu</p> <p>ARE INFORMATION SYSTEMS MAJORS CRITICAL THINKERS?</p> <p>Judy Wynekoop Florida Gulf Coast University jwynekaa@fgcu.edu</p> <p>Kazuo Nakatani Florida Gulf Coast University knakatan@fgcu.edu</p> <p>HOW DOES IT SECURITY AFFECT THE FIT OF REMOTE COLLABORATION TECHNOLOGY?</p> <p>Linwu Gu Independent Consultant gulinwu5@gmail.com</p> <p>Jianfeng Wang Slippery Rock University wangufa3@gmail.com</p>	<p>Security & Privacy</p> <p>SECURITY AND PRIVACY IN MACHINE LEARNING: A SURVEY</p> <p>Gayatri Sravanthi Kuntla Kennesaw State University gkuntla@students.kennesaw.edu</p> <p>Xin Tian Kennesaw State University xtian2@kennesaw.edu</p> <p>Zhigang Li Kennesaw State University zli8@kennesaw.edu</p> <p>CURRENT PRIVACY POLICY ATTITUDES & FAIR INFORMATION PRACTICE PRINCIPLES: A MACRO AND MICRO ANALYSIS</p> <p>Jacob Klemovitch Undergraduate, Penn State University jck40@psu.edu</p> <p>Lauren Sciabarrasi Undergraduate, Penn State University lms529@psu.edu</p> <p>Alan Peslak Penn State University arp14@psu.edu</p> <p>A CASE STUDY IN SELECTION & DEPLOYMENT OF A MULTI-FACTOR AUTHENTICATION SOLUTION</p> <p>Elizabeth C. Donald University of North Alabama edonald@una.edu</p> <p>Michael A. Bumpus University of North Alabama mbumpus@una.edu</p> <p>Xihui Zhang University of North Alabama xzhang6@una.edu</p>
Room: Redstone	
 <p>Networking available all day. Join us any time during the conference.</p>	

Thursday, October 7, 2021, 2:10 – 3:10 p.m. (Central Daylight Time)

Room: Deer Park
Session Chair: Barbara Jo White

Room: Pike's Peak
Session Chair: Peter W. Cardon

Data Mining & Big Data Effect

TEXT MINING TO IDENTIFY THE ORIGIN OF CHRONIC WASTING DISEASE

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WIDEN THE BIG TENT FOR BIG DATA: UNDERSTANDING BUSINESS STUDENT PERCEPTIONS OF TABLEAU

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THE EFFECT OF BIG DATA ANALYTICS ON FIRM PERFORMANCE

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Communication & Presentation Research

WHAT DO CONFERENCE ATTENDEES WANT FROM ACADEMIC PRESENTATIONS? A STUDY OF AN INFORMATION SYSTEMS PROFESSIONAL ORGANIZATION

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AN EXPLORATORY STUDY OF A LARGE, SYNCHRONOUS, MULTILINGUAL ELECTRONIC MEETING

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COVID-19 AND REMOTE WORK: IS IT SUSTAINABLE?

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Room: Warm Springs Session Chair: Jason E. James	Room: Tiger Mountain Session Chair: Joshua Hammond
<p><i>E-Governance and Security</i></p> <p>REENGINEERING BUREAUCRACY FOR EFFECTIVE E-GOVERNANCE</p> <p>Mysore Ramaswamy Southern University and A&M College mysore@acm.org</p> <p>ASSESSING U.S. & SLOVENIAN ORGANIZATIONAL SECURITY CULTURE WITH HOFSTEDE'S NATIONAL CULTURE FRAMEWORK</p> <p>Fred Hoffman Mercyhurst University fhoffman@mercyhurst.edu</p> <p>AN EXPLORATION IN FORENSIC EVIDENCE IN A CLOUD COMPUTING ENVIRONMENT</p> <p>Jason E. James Indiana State University jason.james@indstate.edu</p>	<p><i>Pandemic Research Advances</i></p> <p>ANALYZING COVID-19 TIME-SERIES DATA & GOVERNMENT POLICY RESPONSES FOR FORECASTING DEATHS</p> <p>Joshua Hammond University of St. Thomas hamm9537@stthomas.edu</p> <p>Melinda Caouette University of St. Thomas caou1088@stthomas.edu</p> <p>Manjeet Rege University of St. Thomas rege@stthomas.edu</p> <p>TEACHERS' SENSE OF EFFICACY & TECHNOLOGY ACCEPTANCE DURING THE COVID-19 PANDEMIC</p> <p>Katherine Carl Governors State University kcarl@govst.edu</p> <p>KNOWLEDGE CREATION IN PANDEMIC TIME: CHALLENGES & OPPORTUNITIES</p> <p>Cheng-Jen "CJ" Liu The MITRE Corporation cjliu@mitre.org</p> <p>Wenli Wang Robert Morris University wangw@rmu.edu</p>

3:20 – 4:20 p.m. Central Daylight Time	JCIS Editorial Board Meeting	Online Room: Redstone
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FRIDAY, OCTOBER 8, 2021

Friday, October 8, 2021, 9:00 – 10:00 a.m. (Central Daylight Time)

Upskilling Digital Trust: Challenges for the Immediate Future
Keynote Address by Dr. Jose Luis Guerrero-Cusumano
 Faculty, Operations and Information Management (OPIM) Group
 Georgetown Business School

Online Room:
 Redstone

Friday, October 8, 2021, 10:10 – 11:10 a.m. (Central Daylight Time)

Room: Deer Park
Session Chair: Alex Koohang

Room: Pike's Peak
Session Chair: Carol Sargent

Applications of Big Data Analytics

BIG DATA ANALYTICS IN HIGHER EDUCATION

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BIG DATA ANALYTICS TALENT QUALITY

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Blockchain Management

BLOCKCHAIN DOES NOT REPLACE FINANCIAL STATEMENT AUDITS: THE VERIFICATION ISSUE

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EXPLORING BLOCKCHAIN PERFORMANCE WITH CPUHEAVY MICROBENCHMARK ON SMART CONTRACTS

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BLOCKCHAIN ADOPTION IN PROJECT MANAGEMENT

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**BIG DATA APPLICATIONS
IN ACCOUNTING: INSIGHTS FOR HIGHER
EDUCATION CURRICULUM PLANNING**

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Room: Warm Springs
Session Chair: Hubert D’Cruze

Room: Tiger Mountain
Session Chair: Wendi M. Kappers

Network Security

**HONEYPOTS & KNOWLEDGE
FOR NETWORK DEFENSE**

Best Paper Award (Research)

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**DEPENDENCE ON SOCIAL NETWORK SITE:
A MULTIDIMENSIONAL APPROACH TO
BENEFITS, TRUST, AND USE**

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IT Advanced & Research

**REVIVING THE INDUSTRY SYSTEM
CONSTRUCT: A LOOK AT THE 5G NETWORK
EQUIPMENT MANUFACTURING INDUSTRY**

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**CYBER INSURANCE EFFECTS ON CYBER
HYGIENE: DOES THE HOMEOSTATIC
EFFECT APPLY?**

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**ENTERPRISE NETWORK SECURITY
FROM CLOUD COMPUTING PERSPECTIVE**

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**TACKLING HOMELESSNESS THROUGH AI
POWERED SOCIAL INNOVATIONS: A NOVEL
AND GROUND-BREAKING ASSESSMENT OF
CRIMINAL VICTIMIZATION OF HOMELESS
POPULATIONS IN LOS ANGELES EMPLOYING
PREDICTIVE ANALYTICS AND MACHINE
LEARNING MODELS SUCH AS ARIMA & LSTM**

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**Room: Redstone
Networking**



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Friday, October 8, 2021, 11:20 a.m. – 12:20 p.m. (Central Daylight Time)

Room: Deer Park

Session Chair: Angela Munoz

Data Applications

BOUNDED RATIONALITY: THE ROLE OF DATA IN MANAGERIAL DECISION MAKING

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HIDDEN HANDICAPS OF DATA-DRIVEN BENCHMARKING: THE CASE OF SHAREHOLDER LITIGATION RISK EXPOSURE ESTIMATION

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IT LEADERSHIP'S ROLE IN IMPLEMENTING CLOUD ENVIRONMENTS FOR SECURING CLINICAL DATA

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Room: Pike's Peak

Session Chair: Debra J. Borkovich

Online Learning & Gaming

VIRTUAL SOCIAL DISTANCING: A DIGITAL ETHNOGRAPHY OF ONLINE LEARNING

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STUDENT PERSPECTIVES OF ONLINE LEARNING DURING THE COVID-19 PANDEMIC

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UNDERSTANDING ANTECEDENTS OF ONLINE GAMERS' NEGATIVE EMOTIONS DURING THE COVID-19 PANDEMIC

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<p>Room: Warm Springs Session Chair: Dexter Gittens</p>	<p>Room: Tiger Mountain Session Chair: Manjeet Rege</p>
<p><i>Project & Knowledge Management</i></p> <p>A SYSTEMATIC LITERATURE REVIEW: HOW AGILE IS AGILE PROJECT MANAGEMENT?</p> <p>Andy Behrens Dakota State University andrew.behrens@dsu.edu</p> <p>Martinson Ofori, Dakota State University nartinson.ofori@trojans.dsu.edu</p> <p>Cherie Noteboom Dakota State University cherie.noteboom@dsu.edu</p> <p>Dave Bishop Dakota State University dave.Bishop@dsu.edu</p> <p>PROACTIVELY SEEKING NEW KNOWLEDGE IN SOCIAL ENCOUNTERS FOR TEACHING</p> <p>Thomas Ngo-Ye Alabama State University tngoye@alasu.edu</p> <p>Jae Choi Pittsburg State University jchoi@pittstate.edu</p> <p>Dexter Gittens Alabama State University dgittens@alasu.edu</p>	<p><i>Prediction Research</i></p> <p>RELIABILITY OF NLP MODELS TO PREDICT HUMAN SENTIMENTS</p> <p>University of St. Thomas Amrut Khatri amrut.khatri@stthomas.edu</p> <p>Dennis Labajo laba3383@stthomas.edu</p> <p>Manjeet Rege rege@stthomas.edu</p> <p>BREAST CANCER SURVIVAL ANALYSIS USING ML MODELS</p> <p>University of St. Thomas Parthasarathi Tumu part6550@stthomas.edu</p> <p>Vaghindra Manchenasetty vaghi.manchenasetty@stthomas.edu</p> <p>Manjeet Rege rege@stthomas.edu</p> <p>MUSIC MARCH MADNESS: PREDICTING THE WINNER OF LOCURA DE MARZO</p> <p>Bryant University</p> <p>Kevin Mentzer kmentzer@bryant.edu</p> <p>Zachary Galante zachgalante62@gmail.com</p> <p>Brenna Rojek universitybrojek@bryant.edu</p> <p>Rachel Cardarelli cardarellirachel@gmail.com</p>

AN EMPIRICAL STUDY OF THE IMPACT OF KNOWLEDGE ACQUISITION, SHARING AND UTILIZATION ON ORGANIZATIONAL PERFORMANCE OF HIGHER EDUCATION INSTITUTIONS (HEIS), & THE MODERATING ROLE OF ORGANIZATIONAL CULTURE

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Room: Redstone



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12:30 – 1:30 p.m.
 Central Daylight Time

Awards Ceremony

Online Room:
 Redstone

Friday, October 8, 2021, 1:40 – 2:40 p.m. (Central Daylight Time)

Room: Deer Park

Session Chair: Peter J. Draus

E-Commerce, IT Creativity, and Learning

**A VALIDATION OF AFFECTIVE TRUST
CONSTRUCT IN B2C E-COMMERCE**

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**THE DETERMINANTS OF IT CREATIVITY
AT THE REGIONAL LEVEL:
AN EMPIRICAL STUDY**

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**THE IMPACT OF VIRTUAL ROTATION
ON STUDENT ENGAGEMENT
& PERFORMANCE**

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Room: Pike's Peak

Session Chair: Elsie Balderas

Internet of Things

**SECURITY ANALYSIS OF THE AMAZON
ECHO DOT**

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**THE INTERNET OF THINGS & THE DISRUPTIONS
OF INNOVATION**

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**VIRTBOT: EXPLORING CHATBOT DESIGN
FOR PROMOTING SCIENTIFIC INITIATIVES**

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Room: Warm Springs
Session Chair: Jennifer L. Breese

Room: Tiger Mountain
Session Chair: David Smith

Data Analysis

INFLUENCE OF DATA-DRIVEN METHODS IN PREDICTING U.S. PRESIDENTIAL ELECTIONS FOR A SPECIFIC AGE RANGE USING SOCIAL MEDIA

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COMPETENCY EVALUATION FOR CAREERS IN BUSINESS INTELLIGENCE ANALYSIS

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DESCRIPTIVE ANALYSIS OF SOCIAL MEDIA ADOPTION & UTILIZATION IN AACSB SCHOOLS

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Program & Curriculum Research

QUALIFICATION REQUIREMENTS FOR ENTRY-LEVEL IT POSITIONS AND IS CURRICULUM: A LITERATURE REVIEW

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RECOMMENDATIONS FOR DESIGN ELEMENTS OF DOCTORAL PROGRAMS TO ENHANCE DISSERTATION COMPLETION RATES

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COMPUTING PROGRAM REALIGNMENTS: ISSUES & RECOMMENDATIONS

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Room: Deer Park
Session Chair: John Girard

Room: Pike's Peak
Session Chair: Cherie Noteboom

COVID-19 Research

A REVIEW ON COVID-19 RELATED RESEARCH IN LEADING INFORMATION SYSTEMS JOURNALS

Jay Liebowitz Award



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COMPUTING FACULTY INTERNATIONALIZATION PERCEPTIONS: THE IMPACT OF COUNTRY & COVID-19

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COVID-19 LITERATURE TREND & TOPICS ANALYSES USING INTELLIGENT TEXT MINING

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Data Literacy, IT Equity, Student Perceptions

CATEGORIZING COVID-19 LITERATURE FROM THE PERSPECTIVE OF DATA LITERACY: A SYSTEMATIC LITERATURE REVIEW

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EQUITY & SATISFACTION IN IT: A CURRENT ANALYSIS

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STUDENT PERCEPTIONS OF A CYBERSECURITY SERVICE-LEARNING PROJECT

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<p>Room: Warm Springs Session Chair: Karen Poullet</p>	<p>Room: Tiger Mountain Session Chair: Fred Hoffman</p>
<p><i>Recruitment, Skills Id, Engaging Learners</i></p> <p>RECRUITING TRANSFER STUDENTS FROM RURAL COLLEGES IN IT/STEM PROGRAMS</p> <p>Diane Igoche Robert Morris University igoche@rmu.edu</p> <p>Karen Poullet Robert Morris University poullet@rmu.edu</p> <p>Natalya Bromall Robert Morris University bromall@rmu.edu</p> <p>IT SKILLS GAP: A SURVEY OF IT STUDENTS' KNOWLEDGE IN 4 KEY DOMAINS</p> <p>Kevin Slonka University of Pittsburgh, slonka@pitt.edu</p> <p>Natalya Bromall Robert Morris University bromall@rmu.edu</p> <p>Sushma Mishra Robert Morris University mishra@rmu.edu</p> <p>Peter J. Draus Robert Morris University draus@rmu.edu</p> <p>A PRACTICAL FRAMEWORK TO ENGAGE STUDENTS IN COLLEGE TEACHING</p> <p>Virginia State University Xue Bai Ephrem Eyob xbai@vsu.edu eeyob@vsu.edu</p> <p>Ade Ola aola@vsu.edu</p> <p>Serena Reese sreese@vsu.edu</p>	<p><i>Framework Validity Research & Medical Analysis</i></p> <p>A PARTICIPANT OBSERVATION APPROACH TO ASSESSING THE VALIDITY OF HOFSTEDE'S NATIONAL CULTURE FRAMEWORK</p> <p>Fred Hoffman Mercyhurst University fhoffman@mercyhurst.edu</p> <p>PRINCIPAL COMPONENT ANALYSIS FOR DECISION MAKING IN HEALTHCARE AND HOSPITAL READMISSIONS</p> <p>Taiwo Ajani Ferrum College tajani@ferrum.edu</p> <p>George Habek CT Global Solutions ghabek@msn.com</p>

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62nd IACIS Annual Conference
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To meet conference deadlines, all submissions **MUST** be submitted online by **May 30, 2022**. Important: Please note that all submissions (full papers, extended abstracts, & abstracts) must be submitted by the deadline above to undergo the double-blind, peer review process and be considered for publication in either the *Issues in Information Systems* (IIS) or the conference proceedings.

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