From the Editor's Desk

Dear Reader,

This is the October 2021 issue of e-Achieve, the e-Newsletter highlighting faculty research and creative work at RMU. In this issue we present research and creative work accomplishments submitted by our faculty members for the period February 1, 2021 - October 15, 2021. Due to COVID-19 travel restrictions, many conferences were held virtually giving researchers an alternate means of presenting their research. This newsletter does not list grant awards. For additional details, please contact faculty members directly. We are hopeful this newsletter will open avenues for dialogs and research collaborations.

Your feedback is important to us. Please provide us comments and suggestions for improvement. The next issue will be published in February 2022.

e-ACHIEVE Highlights

- 15 journal papers involving 13 RMU researchers.
- 13 research/creative work presentations.
- 4 authors of a book or book chapter.
- 2 awards for research/creative works.
- 22 research collaborations with other universities/organizations.
- 3 research collaborations with an international university/researcher or creative work presented in an event abroad.
- 1 editorship of a journal.
- 2 research/creative work recognition.

Publications

Research Published or Accepted for Publication in a Journal

Christopher Groendyke (Mathematics, SEMS) and **Adam Combs** (Mathematics, SEMS) had their research accepted for publication in Epidemiologic Methods titled *"Modifying the Network-Based Stochastic SEIR Model to Account for Quarantine: An Application to COVID-19."*

Donna Cellante (Computer and Information Systems, SIHSS) and **Jamie Pinchot** (Computer and Information Systems, SIHSS) had their research accepted for publication in Issues in Information Systems titled *"Teaching non-technical skills in a data analytics program in higher education."*

Donna Cellante (Computer and Information Systems, SIHSS) and **Jamie Pinchot** (Computer and Information Systems, SIHSS) had their research accepted for publication in Journal of Information Systems Applied Research titled "*Privacy concerns and data sharing habits of personal fitness information collected via activity trackers."*

Jamie Pinchot (Computer and Information Systems, SIHSS) and **Karen Paullet** (Computer and Information Systems, SIHSS) had their research accepted for publication in Information Systems Education Journal titled *"Using student choice in assignments to create a learner-centered environment for online courses."*

Jamie Pinchot (Computer and Information Systems, SIHSS), Amy Hartzell, (RMU Doctoral Student) and Beau Jackson, (RMU Doctoral Student) had their research accepted for publication in Issues in Information Systems titled *"Source credibility in social media: A case study of a Reddit community."*

Lois Bryan (Accounting & Taxation, SBUS) and **Jacob Peng** (Accounting & Taxation, SBUS) had their research accepted for publication in Strategic Finance titled *"Stand Out in a Virtual World."*

Nader Kesserwan (Software Engineering, SEMS) and **Jameela Al-Jaroodi** (Software Engineering, SEMS) had their research titled *"Model-driven Framework for Requirement Traceability"* published in the International Journal of Advanced Computer Science and Applications (IJACSA).

Ping Wang (Computer Information Systems, SIHSS) and Hubert D'Cruze (Cybersecurity & Information Technology, University of Maryland) had their research accepted for publication in Issues in Information Systems titled *"Honeypots and Knowledge for Network Defense."*

Rika Carlsen (Engineering, SEMS) Ryan Terpsma (Terminal Ballistics Technology Department, Sandia National Laboratories), Chad Hovey (Terminal Ballistics Technology Department, Sandia National Laboratories), Ron Szalkowski (Team Wendy LLC), Sushant Malave (Team Wendy LLC), Alice Lux Fawzi (School of Engineering, Brown University), Christian Franck (Department of Mechanical Engineering, University of Wisconsin-Madison) had their research accepted for publication in Military Medicine titled *"Head impact modeling to support a rotational combat helmet drop test."*

Rika Carlsen (Engineering, SEMS), Alice Lux Fawzi (School of Engineering, Brown University), Yang Wan (School of Engineering, Brown University), Haneesh Kesari (School of Engineering, Brown University), Christian Franck (Department of Mechanical Engineering, University of Wisconsin-Madison) had their research accepted for publication in Brain Multiphysics titled *"A quantitative relationship between rotational head kinematics and brain tissue strain from a 2-D parametric finite element analysis."*

Sangho Shim (Engineering, SEMS), Chaithanya Bandi (Kellogg School of Management, Northwestern University) and Sunil Chopra (Kellogg School of Management, Northwestern University) had their research accepted for publication in Optimization and Engineering titled *"On the (near) optimality of extended formulations for multi-way cut in social networks."*

Sangho Shim (Engineering, SEMS), Hyunwoo Park (Graduate School of Data Science, Seoul National University) and Sunil Chopra (Kellogg School of Management, Northwestern University) had their research accepted for publication in INFORMS Journal On Computing titled *"Extended Graph Formulation for the Inequity Aversion Pricing Problem on Social Networks."*

Stuart Allen (Communication and Organizational Leadership, SIHSS) and Peter Williams (Department of Organizational Leadership, Texas A&M Commerce) had their research titled *"Remote oral doctoral dissertation defenses in management, leadership, and business: Benefits, pedagogy, and practices"* accepted for publication in Management Teaching Review.

Stuart Allen (Communication and Organizational Leadership, SIHSS) and Rick Randall (Mitre) had their research titled *"Cybersecurity professionals information sharing sources and networks in the U.S. electrical power industry"* in International Journal of Critical Infrastructure Protection.

Yanbin Tu (Marketing, SBUS), Chih-Ping Chen (Department of Information Communication, College of Informatics, Yuan Ze University) and Y. Alex Tung (Department of Operations and Information Management, School of Business, University of Connecticut) had their research accepted for publication in the International Journal of Applied Management Theory and Research titled "*A Path Analysis of Online Group Buying - Insights from Taiwan*."

Presentations

Conference Presentations - Research/Creative

Barbara Ann Burgess-Lefebvre (Arts & Humanities, SIHSS) directed the premiere production of *"Room of Truth"* in the Pittsburgh New Works Theatre Festival for Ashcat Theatre Company in Genisius Theatre on August 22, 2021.

Christine Holtz (Arts and Humanities, SIHSS) presented her research titled *"50 Greenspace Dumpsites"* at the Seventeenth International Conference on Environmental, Cultural, Economic & Social Sustainability on February 24, 2021 (virtual).

Connie Ruzich (Arts and Humanities, SIHSS) presented her research titled *"Taming the tank: American views of masculinity, agency, and technology in the First World War"* at the International Society of First World War Studies Conference, September 16, 2021 (virtual).

Monica VanDieren (Mathematics, SEMS), **Andrew Ames** (Media Arts, SIHSS), **David Bennett** (Library), **Chris Devine** (Library), **Jackie Klentzin** (Library) and **Chad Wertley**, (Communications, SIHSS) presented the "*Fair Use Card Game"* at the International Copyright-Literacy Event with Playful Opportunities for Practitioners and Scholars (ICEPOPS) Conference, online conference based in the UK, on June 25, 2021.

Monica VanDieren (Mathematics, SEMS), Paul Seeburger (Mathematics, Monroe Community College) and Shelby Stanhope (Mathematics, US Air Force Academy) presented her research titled *"Visualizing Multivariable Calculus and Differential Equations with CalcPlot3D"* at the MAA Project Next on August 4-6, 2021.

Monica VanDieren (Mathematics, SEMS), presented her research at the Israel-based 19th Annual MEITAL National On-line Conference *"Teaching and Learning Technologies Accelerating Higher Education: Trends and Developments"* on Wednesday June 30, 2021.

Neha Pandit (Psychology, SNEHS), **Samantha Monda** (Psychology, SNEHS) and Kari Campbell (MS Counseling Psychology Graduate, RMU) presented their research titled *"Anticipatory Anxiety and Returning to Campus During the COVID-19 Pandemic"* at the Pennsylvania Psychological Association on August 5, 2021. (virtual)

Stuart Allen (Communication and Organizational Leadership, SIHSS) presented his paper titled *"An employee perspective on costs and benefits of environmentally focused sustainability initiatives"* at the Academy of Management Annual Meeting in August, 2021. (virtual)

Stuart Allen (Communication and Organizational Leadership, SIHSS) presented his research titled *"Teaching with Technology: So many choices, how to decide?"* at the professional development workshop at the Doctoral Institute, Management and Organizational Behavior Teaching Society Annual Conference in June, 2021. (Virtual)

Stuart Allen (Communication and Organizational Leadership, SIHSS) Kim Gower (Continuing and Professional Studies, University of Mary Washington), Jeanine W. Turner (Communication, Culture, and Technology, Georgetown University), Sonja Foss (Communication, University of Colorado, Denver) Kyle B. Stone (Management, Colorado Mesa University), Jordan Paul Mitchell (Healthcare Administration, University of Houston, Clear Lake), Xiao Li (Healthcare Administration, University of Houston, Clear Lake), Lisa T. Stickney (Management and International Business, University of Baltimore), Danielle Fowler (Information Systems and Decision Sciences, University of Baltimore), Anthony Alan Pina (Graduate School, Sullivan University), Kenneth Allen Moran (College or Business, Sullivan University) and Ana Fetea (Healthcare Administration, University of Houston Clear Lake) presented their research titled *"Teaching with Technology"* at the professional development workshop at the Academy of Management Annual Meeting, August, 2021. (virtual)

Sylvia Pamboukian (Arts and Humanities, SIHSS) presented her paper titled *"Rethinking Delivery: From Classical Canon to Modern Audiences"* at the Northeast Modern Language Association conference in Philadelphia, March 12-14, 2021.

Sylvia Pamboukian (Arts and Humanities, SIHSS) presented her paper titled *"Epidemics in James Herriot"* at the Health Humanities Consortium International Conference, Penn State Medical School, Hershey, PA, March 22-24, 2021 (virtual).

Zhou Yang (Social Sciences, SIHSS) presented her research titled *"The Impact of the Coronavirus Pandemic on Small Businesses"* at the 96th Western Economic Association International Annual Meeting, June 27 - July 1, 2021.

Awards

Research/Creative Work Award

Monica VanDieren (Mathematics, SEMS) received the Flipgrid Innovator Award for innovative and extensive *use of Flipgrid* in honors and mathematics curriculum from Microsoft on April 23, 2021.

Ping Wang (Computer Information Systems, SIHSS) and Hubert D'Cruze (Cybersecurity & Information Technology, University of Maryland) received the Best Paper Award for their Research Paper titled *"Honeypots and Knowledge for Network Defense"* at the International Association for Computer Information Systems (IACIS) Annual Conference 2021.

Authorships

Author or Co-Author of a Book or a Book Chapter

Chen Yang (Communication and Organizational Leadership, SIHSS) authored a chapter titled *"Oppa, Gangnam Style!"* in the book Diffusion of Korean Popular Culture in Western Countries.

Justin DePlato (Social Sciences, SIHSS) and Alex C. Minford (Graduate of the RMU political science program, 2020) co-authored **a** book titled America in Decline: How the Loss of Civic Virtue and Standards of Excellence is Causing the End of Pax Americana.

Mary Hansen (Education, SNEHS) and Gaelebale Nnunu Tsheko (University of Botswana, former Rooney Scholar at RMU) co-authored a chapter titled *"A primer on survey research"* in the book Advancements in Organizational Data Collection and Measurement: Strategies for Addressing Attitudes, Beliefs, and Behaviors.

Mary Hansen (Education, SNEHS), Brooke Turner (John Carroll University) and Armani Davis (Shadyside Academy) co-authored a chapter titled *"Trauma sensitive and responsive coaching"* in the book Strategies and Methods for Implementing Trauma-Informed Pedagogy.

Nathan Taylor (Education, SNEHS) authored a chapter titled "LGBTQIA+ Students: Trauma and Education" in the book Strategies and Methods for Implementing Trauma-Informed Pedagogy.

Editorships

Editor or Co-Editor of a Journal

Carianne Bernadowski (Education, SNEHS) served as editor of a book titled *Strategies and Methods for Implementing Trauma-Informed Pedagogy.*

Recognitions

Recognition of Research/Creative Work

John DuVal Lawson (Arts and Humanities, SIHSS) was recognized for his production and publication of two dramatic works. "Innovation," a 3-character, one act satire of predator capitalism, was produced September 9 - 12 as part of the Live Arts Locally Sourced event; *"Best in the World",* a 2-character one act about race relations in the 1950s South, appeared in Rushing Through the Dark's inaugural issue.

Monica VanDieren (Mathematics, SEMS) was invited to speak at the Mathematical Association of America's Committee on Mathematics Education Webinar on the *10 Uses of Flipgrid*, July 8, 2021.

Next Issue
February 2022
Please submit your
accomplishments by January 31, 2022!