e-ACHIEVE

From the Editor's Desk

Dear Reader,

This is the May 2025 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 16, 2025 to May 25, 2025. 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 October 2025.

Please join R&GA in Congratulating all of our outstanding scholars!

e-ACHIEVE Highlights

- **3** journal papers involving **2** RMU researchers
- **5** research/creative work presentations
- **2** authors of a book or book chapter
- **1** editorship of a journal
- Research collaborations with **3** other universities/organizations
- **3** research/creative work recognitions

Publications

Research Published or Accepted for Publication in a Journal

Christophe Groendyke (Mathematics, School of Data Intelligence and Technology) with Colton Syndergaard (Brigham Young University), Brian Hartman (Brigham Young University), and Robert Richardson (Brigham Young University) had research accepted for publication in the North American Actuarial Journal titled "Clustering County-Level Mortality Curves in the United States".

Christophe Groendyke (Mathematics, School of Data Intelligence and Technology), Michael Shull (Penn State University), Brian Hartman (Brigham Young University), and Robert Richardson (Brigham Young University) had research accepted for publication in the Annals of Actuarial Science titled "A Multivariate Spatiotemporal Model for County Level Mortality Data in the Contiguous United States".

Tim Schlak (Elaine Boyd Library) and Alexis Macklin (Carlow University) had research accepted for publication in Commonplace titled "Pivoting to an open & engaged model for smaller academic libraries before the cliff forces our hand".

Presentations

Conference Presentations - Research/Creative Work

Barbara Ann Burgess-Lefebvre (English and Media Arts, School of Communication and Media) directed a play titled "Up and Away" by the R-ACT Theatre Company in Rochester, PA on February 27-March 1, 2025. The play was written by local playwright Thomas B. Andrews.

Barbara Ann Burgess-Lefebvre (English and Media Arts, School of Communication and Media) served as the Violence Choreographer for a play titled "Mr. Burns, a Post-Electric Play" by the Pitt-Greensburg Theater Company April 3-7, 2025 at the University of Pittsburgh Greensburg Campus. She choreographed both theatrical firearms and unarmed fights.

Hyla Willis (English and Media Arts, School of Communication and Media) presented a paper titled "Terms and Conditions" at the College Art Association (CAA) 113th Annual Conference in New York, NY held February 12–15, 2025.

Yonas Kassa (Computer and Information Systems, School of Data Intelligence and Technology) presented a paper titled "Online Advertising is a Regrettable Necessity: On the Dangers of Pay-Walling the Web" at the 22nd International Conference on Information Technology: New Generations (ITNG) held in Las Vegas, NV on April 27-29, 2025.

Yonas Kassa (Computer and Information Systems, School of Data Intelligence and Technology) with Vidit Singh, Akshay Kale, Brian Ricks, and Robin Gandhi (University of Nebraska at Omaha) presented a paper titled, "Model-Cart: A Machine Learning Meta-Framework with Explainability and Human-in-the-Loop" at the 22nd International Conference on Information Technology: New Generations (ITNG) held in Las Vegas, NV on April 27-29, 2025.

Awards

Research/Creative Work Award

Yonas Kassa (Computer and Information Systems, School of Data Intelligence and Technology) with Sheikh Muhammad Farjad, Sandeep Reddy Patllola, George Grispos, and Robin Gandhi (University of Nebraska at Omaha) have been given the Best Full Paper award at the 2025 Association for Computing Machinery Southeast Conference (ACMSE 25) for their work titled "Secure Edge Computing Reference Architecture for Data-driven Structural Health Monitoring: Lessons Learned from Implementation and Benchmarking".

Authorships

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

No authorships in this edition.

Editorships

Editor or Co-Editor of a Journal

Christophe Groendyke (Mathematics, School of Data Intelligence and Technology) served as a guest co-editor of the Risks journal, an international, scholarly, peer-reviewed, open access journal for research and studies on insurance and financial risk management.

Recognitions

Recognition of Research/Creative Work

Priyadarshan Manohar (Engineering, School of Engineering and Science) was invited to speak on the topic "An overview and current trends in steel research" at the Andrew Carnegie Lecture night hosted by ASM International's Pittsburgh Chapter on Thursday April 24, 2025.

Zhou Yang (Social Sciences, School of Education and Social Sciences) was invited as an expert on land value taxation to speak for the panel session "Understanding Land Value Taxes: Can We Tax Our Way to More Vibrant Cities?" on March 26, 2025 at the NCRC Just Economy Conference organized by the Progress and Poverty Institute.

Zhou Yang (Social Sciences, School of Education and Social Sciences) was an invited guest speaker on the topic "The Impact of Land Value Taxation: Evidence from the United States" at the Gezhi Economic Forum on May 21, 2025.

Workshops

Workshops Delivered

No workshops in this edition.