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Achievements Faculty and Staff

We want to say CONGRATULATIONS and WELL DONE!

Kun Suo received an NSF grant titled "**SHF: Small: Rethinking Virtualization at the Edge to Support Highly-efficient and Low-power Applications**" from the Computing and Communication Foundations (CCF) Software and Hardware Foundations (SHF) of the National Science Foundation in June.

NSF Award for a new project titled "**ALAMOSE: Authentic Learning Modules for DevOps Security Education**" from Security and Trustworthy Cyberspace program. This is a 3-year collaborative project among 3 institutes - KSU, Tennessee Tech, and Tuskegee University. Kudos to all the collaborators (Drs. Shahriar (PI), Whitman (co-PI), Mattord (co-PI), Valero (co-PI), Khan (co-PI))

KSU GenCyber School Camp 2022-2024 Grant- The GenCyber program seeks to ignite and sustain cybersecurity interest at the K-12 level in order to build a competent, diverse, and adaptable cybersecurity workforce pipeline through alignment with the National Centers of Academic Excellence in Cybersecurity (NCAE-C). Hossain Shahriar (PI/Camp-director), Maria Valero (Co-PI/Camp-codirector), Liang Zhao (Co-PI), Seyedamin Pouriyeh (Co-PI), Lei Li (co-PI), Mia Plachkinova (Co-PI), Michael Whitman (co-PI), Herbert Mattord (Co-PI)

Gerber Foundation research grant funded for Austin Brown (SDSA) and Mark Geil (Assoc. Dean of Research in Wellstar College) for the project "**Toward a Quantitative Understanding of Infant Crawling Development**".

KSU provisional Patent - "**Non-Invasive Blood Glucose Monitoring.**" by Dr. Maria Valero. A provisional patent application was filed with the U.S. Patent and Trademark Office on July 19, 2022, by KSU to protect the invention developed by Dr. Maria Valero of a Non-Invasive Blood Glucose Monitoring prototype and blood estimation procedure based on light spectroscopy and artificial neural networks.

Paper published in Journal of Medical Internet Research JMIR (Formative Research). Impact Factor: 7.08

Authored by Maria Valero, Priyanka Pola, Oluwaseyi Falaiye, Katherine H. Ingram, Liang Zhao, Hossain Shahriar, and Sheikh I. Ahamed. This paper proposes building and testing a non-invasive glucose monitoring prototype that does not require any blood sample or involve any invasive procedure

Austin Brown had his paper "A SAS macro for Implementing a Nonparametrics Control Charting Scheme for Individual Observations" accepted at SESUG 2022 conference. He also had a co-authored paper "The Quality of Care Delivered in a Simulation Center: A Benchmark Study" accepted in the journal Nurse Educator and a co-authored paper "Predicting Multiple Injuries to Major League Baseball Pitchers: A Logistic Regression Analysis over the 2009 – 2019 Regular Seasons" published in Research in Sports Medicine.

Seema Sangari successfully defended her dissertation in the PhD in Analytics and Data Science "Debiasing Cyber Incidents -- Correcting for Reporting Delays and Under-reporting". Her committee is Michael E. Whitman, Ph.D., (KSU Institute for Cybersecurity), Eric Dallal (Verisk), Jennifer Priestley (KSU School of Data Science and Analytics) and Abby Zhang (KSU School of Data Science and Analytics).

Dr. Shirley Tian and Dr. Zhigang Li's research proposal was selected by the Vertically Integrated Projects (VIP) team with \$5,000 funding from the Office of Undergraduate Research (OUR).

The VIP program allows them to help scale up research involving students, facilitating high-impact research with relevance.

Kevin Gittner (Asst. Prof. SDSA) had his paper **Embracing Cross-Loading to Improve Latent Variable Models Fit: A comparison of available options in SAS, Mplus, and R** accepted at the SESUG 2022 conference. He also received an Academic Faculty grant for travel to the conference.

Achievements Students

Congrats to students and faculty on an award winning paper for the IEEE ICHI 2022 Conference on Health Informatics! This paper received the Best Paper Award! Those who assisted are Md. Jobair Hossain Faruk, Shashank Trivedi, Mohammad Masum, Maria Valero, Hossain Shahriar, and Sheikh Iqbal Ahamed.

Update News

Dr. George Markowsky and Dean Sumanth Yenduri were invited to attend CRA Snowbird Conference. The biennial CRA Conference at Snowbird is the flagship invitation-only conference for the leadership of the North American computing research community.

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