TOP STORY

CSU-CWRU Internet of Things Collaborative

The Internet of Things (IoT) Collaborative initiated by CSU and Case Western Reserve University (CWRU) has moved from the planning phase to a full launch with funding from the Cleveland Foundation. The IoT Collaborative will lead the development and advancement of IoT as an engaged and socially responsible partner with the communities, industries, and government entities of Greater Cleveland. The Cleveland Foundation is providing the Collaborative with $1.75 million in funding for 2018, with the intention of continuing financial support for up to 5 more years. The CSU PI of the IoT Collaborative grant is Dr. Jerzy Sawicki, Vice President for Research.

CSU and CWRU will collaborate on research programs, research assets, cross-registered courses, and community stakeholder engagement. CSU will leverage its strengths in technology development, social and applied sciences, cybersecurity, and business to lead a wide range of research activities. Strategic investments like the FRD-IoT Program are already building IoT-specific research capacity on campus. Research faculty and staff are encouraged to reach out to the following points of contact to discuss potential IoT-related research opportunities and how to get involved with the IoT Collaborative.

Benjamin Ward – Interim Executive Director
Nigamanth Sridhar – Academic Director
Nick Zingale – Government/Nonprofit Liaison
Brian Ray – Cybersecurity and Privacy Industry Liaison

MEET CSU’S NEW FACULTY

Kelly Liao, CASAL

Dr. Kelly Yu-Hsin Liao joined Cleveland State University as an assistant professor in fall 2016 in the Department of Counseling, Administration, Supervision, and Adult Learning (CASAL). She is a core faculty member in the APA-accredited Counseling Psychology specialization in the Urban Education Ph.D. program. She received her Ph.D. in 2011 in counseling psychology from Iowa State University. Prior to joining CSU, she was a research scientist at the Culture and Health Research Center at the University of Houston.

Dr. Liao studies minority-related stress, positive psychology, and health psychology in ethnic minorities. Her current projects include developing a self-compassion writing intervention to cope with racism among African American students, examining the psychological benefits of gratitude among Chinese international students, and investigating the role of perceived burden in the health outcomes of Chinese cancer survivors.
Ping Deng, Management

Research by Dr. Ping Deng, a professor and the Monte Ahuja Endowed Chair of Global Business in the Department of Management, is the focus of this month’s Featured Research Video. Dr. Deng’s research focuses on global strategy, emerging market multinationals, and outward foreign direct investment and cross-border mergers and acquisitions from emerging economies. Click here to watch.

CSU Receives RAPIDS Award

The College of Engineering has received a $171,112 appropriation from the State of Ohio to purchase 3D printing equipment that will be used in CSU’s engineering courses and for workforce training activities with local businesses. The Regionally Aligned Priorities in Delivering Skills (RAPIDS) award is one of the State’s strategic investments in cooperative education and internship programs. CSU partnered with several regional institutions on the RAPIDS award, including North Central State College (NCSC), Lorain County Community College (LCCC), and Cuyahoga Community College (Tri-C).

José Solá, History

Dr. José O. Solá is an associate professor in the Department of History. His research is focused on the Caribbean with a specialization in 19th and 20th century Spanish Caribbean history. Dr. Solá explores the cultural history of sugar plantations, and has published in leading journals in the field of Caribbean history, such as Caribbean Studies, Agricultural History and Historia y Sociedad.

Dr. Solá’s current research, which began with a Faculty Scholarship Initiative (FSI) grant, analyzes the interactions among the International Health Division of the Rockefeller Foundation, the Department of Health and the agro-industrial sugar complex in Puerto Rico between 1910 and 1930 in their search to eradicate malaria among sugarcane workers. This analysis sheds new light on American public health policies, colonialism and the plantation economy in Puerto Rico during the first three decades of the 20th century.

INSPIRED CREATIVITY

Holly Holsinger: Emotional Creature

Holly Holsinger, an associate professor in the Department of Theatre and Dance, will direct Emotional Creature -
The Secret Life of Girls around the World, in February. Prof. Holsinger cast a diverse group of female theatre majors to give voice to characters from around the world, and she notes that the play is extremely relevant, as gender equality remains elusive and instances of sexual harassment continue to come to light. Emotional Creature was written by Eve Ensler, who also penned The Vagina Monologues. The play will be performed in the Helen Rosenfeld Lewis Bialosky Lab Theatre in the Allen Theatre Complex at Playhouse Square from February 22 – March 4, 2018. Detailed show information and a link to purchase tickets can be found here.

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**NEWS FROM THE TECHNOLOGY TRANSFER OFFICE**

**Invention Disclosure Pipeline**

The Patent Review Committee (PRC) approved two invention disclosures submitted by Dr. Baochuan Guo, a professor in the Department of Chemistry, to proceed with a provisional patent application. Dr. Guo’s inventions provide a novel method of concentrating hemoglobin in combination with mass spectrometry immunoassay quantification to provide a highly sensitive colorectal cancer screening test. The inventions are titled: 1) *Method for Quantitative Elution and Digestion of Immuno-captured Proteins*, and 2) *Method to Quantitate Human Hemoglobin in Stool for Colorectal Cancer Screening*.

The PRC also approved a disclosure submitted by Dr. Ye Zhu, an associate professor in the Department of Electrical Engineering and Computer Science (EECS). Dr. Zhu’s invention, titled *A Multi-Dimensional Authentication Scheme Based on Augmented Reality*, provides a novel method of authentication through a series of common item moves by the user.

Dr. Antonie van den Bogert, a professor and the Chair of the Department of Mechanical Engineering, and graduate student Chris Schroeck, submitted an invention disclosure titled *Flexion and Rotation Monitor*. The invention provides an array of non-rigid, elastic strain sensors to monitor the relative motion of joints in the human body.

Contact Jack Kraszewski for assistance with protecting your invention or intellectual property.

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**RESEARCH EVENTS**

**Reinventing Innovation: Multidisciplinary Research Seminar**

Dr. Kalle Lytinen, Distinguished University Professor and the Iris S. Wolstein Professor of Information Systems and Management Design at Case Western Reserve University, will be featured at the next Multidisciplinary Research Seminar, hosted by the Office of Research on Friday, February 2, 2018. Dr. Lytinen will discuss four new elements that have proven valuable in constructing more accurate explanations of innovation management processes and outcomes in his presentation *Reinventing Innovation Management in a Digital World*. The seminar will take place from 12:00-1:15 pm in PH-104. Lunch will be provided.

**Upcoming Research Seminars Across Campus**
INTERNAL FUNDING OPPORTUNITIES

Final Reminder: Internal Funding Proposals Are Due Feb. 1

Time is running out to respond to the calls for proposals for CSU's 2018-2019 internal funding programs!

The Undergraduate Summer Research Award (USRA) program provides students of all disciplines an engaged learning experience that involves intellectual inquiry and faculty mentoring as students perform meaningful research on campus during the summer months. The Graduate Student Research Award (GSRA) is open to students completing a master's thesis or a doctoral dissertation.

The Faculty Research and Development (FRD) Program invests in basic and applied research that is expected to lead to future federal and industrial research funding, while the Faculty Scholarship Initiative (FSI) funds faculty conducting quality research, or other creative or scholarly activity, that advances the respective field or discipline.

Undergraduate Summer Research Award (USRA)  submission deadline February 1, 2018
Graduate Student Research Award (GSRA)  submission deadline February 1, 2018
Faculty Research and Development (FRD)  submission deadline February 1, 2018
Faculty Scholarship Initiative (FSI)  submission deadline February 1, 2018

To assist in the preparation of successful applications, the forms that will be used to evaluate the proposals are included at the above web sites. For more information please contact Joy Yard, 687-9364, j.yard@csuohio.edu or Dan Simon, 687-5171, d.j.simon@csuohio.edu.

FACULTY NEWS

Cyleste Collins Awarded Health Disparity Funding

Dr. Cyleste Collins, an assistant professor in the School of Social Work, has been awarded $91,384 over five years by the MetroHealth System. Dr. Collins will perform program evaluation for the Case MetroHealth Center for Reducing Health Disparities' NIH U54 grant, titled Community Led Interventions to Reduce Health Disparities.

Jeff Karem Receives Anisfield-Wolf Fellowship

Dr. Jeff Karem, a professor and the Chair of the Department of English, has received an Anisfield-Wolf Fellowship in Writing and Publishing from the Cleveland Foundation. The grant, for $74,300 over four years, will partially fund the new Anisfield-Wolf Managing Editor Fellowship that will be awarded by the CSU Poetry Center in 2018.

Please share with us important news or updates on your research, scholarly, or creative activities. Updates may be related to a paper that has been accepted for publication in a high-impact journal, a book you've just published, your work that will be exhibited at a prominent institution, or other updates you wish to share with our office. Send details to j.yard@csuohio.edu and d.j.simon@csuohio.edu.