



**Wisconsin Institute for  
Healthcare Systems Engineering**  
UNIVERSITY OF WISCONSIN-MADISON

# AWORD FROM WIHSE

OCTOBER-DECEMBER 2020

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## News

### National Academy of Medicine Action Collaborative on Clinician Well-Being and Resilience virtual meeting

The National Academy of Medicine Collaborative on Clinician Well-Being held the virtual meeting, ‘Ensuring Clinician Well-Being in an Age of Uncertainty: Emerging Lessons from the COVID-19 Pandemic and a Systems Approach for the Future’, on October 28-29. WIHSE Director, Pascale Carayon, was the co-chair of the planning committee for this webinar; she presented on “A Shift in our Mental Model – A Systems Approach to Clinician Well-Being”. During this two-day meeting, participants reviewed data and observations on clinician well-being since the COVID-19 pandemic and focused on operationalizing targeted systems approaches to clinician well-being. To access the meeting agenda and materials, visit <https://nam.edu/event/ensuring-clinician-well-being-in-an-age-of-uncertainty-virtual-meeting/#.X7K7h5d19EM.twitter>.

### DETECTING AND MANAGING BALANCE AND MOBILITY PHENOTYPES USING NEXT GENERATION TECHNOLOGIES: ARTIFICIAL INTELLIGENCE, BIOMECHANICAL SENSING, AND BEYOND. AN ICTR INTERDISCIPLINARY SYMPOSIUM

The symposium, “Detecting and managing balance and mobility phenotypes using next generation technologies: artificial intelligence, biomechanical sensing, and beyond. An ICTR Interdisciplinary Symposium,” was held on Friday, October 30, 2020. The objective of the interdisciplinary symposium was to increase awareness of state-of-the-art research being conducted at UW-Madison, create an interdisciplinary research community focused on advancing scholarship on balance and mobility, and foster and support new interdisciplinary research resulting in funding and health system interventions. About 50 UW-Madison faculty, researchers and clinicians in the areas of artificial intelligence, sensing technologies, clinical medicine, kinesiology, and other health fields registered to attend. The event was a great success with follow up collaborative opportunities planned! <https://wihse.engr.wisc.edu/events/ictr-wihse-interdisciplinary-symposium/>

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## Upcoming Events

### 2021 WIHSE CONFERENCE

We are planning to hold the WIHSE conference in the spring of 2021. We are committed to addressing how to design health care work systems and processes for vulnerable populations; this is critical especially in times of health crisis such as the COVID-19 pandemic. Stay tuned for news and announcements about our conference!

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## Congratulations are in order!

### WIHSE Associate Director Jingshan Li receives IISENET Fellow Award along with Laura Albert

Congratulations to WIHSE Associate Director Professor Jingshan Li for receiving the Institute of Industrial and Systems Engineers (IISE) Fellow award along with Professor Laura Albert! The IISE Fellow Award is the organization's highest membership classification and honors national leaders in the field.

### WIHSE Executive Committee member Gabriel Zayas-Caban receives the Early Career Award from The Minority Issues Forum of INFORMS

Congratulations WIHSE Executive Committee member Professor Gabriel Zayas-Caban for receiving the Early Career Award from The Minority Issues Forum of The Institute for Operations Research and the Management Sciences! This award recognizes both his scholarly work in operations research and the management sciences and his service to improving representation in the fields.

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## Publication Highlights

- Human factors and ergonomics systems approach to the COVID-19 healthcare crisis  
<https://academic.oup.com/intqhc/advance-article/doi/10.1093/intqhc/mzaa109/5912962>
- A prediction and interpretation framework of acute kidney injury in critical care  
<https://www.sciencedirect.com/science/article/pii/S1532046420302811>
- A process-based approach to exploring the information behavior of informal caregivers of people living with dementia  
<https://pubmed.ncbi.nlm.nih.gov/33242761/>
- Work system analysis of patient work: State of the science and future directions

<https://academic.oup.com/intqhc/advance-article/doi/10.1093/intqhc/mzaa099/5896926>

- Provider experiences with offering families bedside health record access across a children's hospital

<https://pubmed.ncbi.nlm.nih.gov/33109520/>

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