



Wisconsin Institute for Healthcare Systems Engineering

UNIVERSITY OF WISCONSIN-MADISON

[WIHSE Conference Will be Live Streamed](#)

If you are not able to join us in Madison for the 2018 WIHSE conference, you may also view the conference online. In addition to video recording our sessions, we will also be live streaming our conference this year. You may find the live stream link on our [conference event page](#).

Registration is still open if you would like to join us in person on May 2 at the Discovery Building. Register at <https://charge.wisc.edu/wihse/register.aspx>

You may also be interested in the National Academy of Engineering regional meeting, happening the next day on May 3 at WID. The theme is “Transforming Healthcare through Engineering,” you can find more information at <http://nae.engr.wisc.edu/>



WEDNESDAY, MAY 2, 2018—WISCONSIN INSTITUTE FOR DISCOVERY
THEME: ACHIEVING SMART AND CONNECTED HEALTH CARE: AN ENGINEERED HEALTHCARE SYSTEM

8:00-8:30	<ul style="list-style-type: none"> • Pascale Carayon, PhD, Procter & Gamble Professor in Total Quality, Industrial and Systems Engineering, Director, WIHSE • Ian Robertson, PhD, Dean, UW College of Engineering • Barb Ewers, PhD, RN, FAAN, Professor, Associate Dean for Research, and Charlotte Jane and Ralph A. Redefler Chair, School of Nursing • Robert Gooden, MD, Dean, UW School of Medicine and Public Health • Steven Swanson, PhD, Dean, UW School of Pharmacy 	<ul style="list-style-type: none"> • Welcome and Conference Overview
8:30-9:30	<ul style="list-style-type: none"> • David Bates, MD, Senior Vice President and Chief Innovation Officer for Brigham and Women's Hospital 	<ul style="list-style-type: none"> • What Are the Critical Healthcare Needs That Engineering is Best Equipped to Respond to?
9:30-10:45	<ul style="list-style-type: none"> • Pascale Carayon, PhD, Procter & Gamble Professor in Total Quality, Industrial and Systems Engineering, Director, WIHSE • Jinghan Li, PhD, Professor, Industrial and Systems Engineering, Associate Director, WIHSE 	<ul style="list-style-type: none"> • Engineering Responds – Healthcare 4.0
10:45-11:00		Break
11:00 Noon	<ul style="list-style-type: none"> • Dan Thoma, PhD, Director, Grainger Institute for Engineering, moderator • Chris Dymek, Ed.D, Director, Health IT Division, Agency for Healthcare Research and Quality (AHRQ) • Shannon Dean, MD, Vice President and Chief Medical Information Officer, UW Health 	<ul style="list-style-type: none"> • External Stakeholder Panel – Engineering at the Edge
Noon-1:00		Lunch
1:00-2:30	<ul style="list-style-type: none"> • Synthesis of the morning • Group activity – Attendees self-select research most interested in from topics identified in morning and develop study outline or high-level agenda for topic 	<ul style="list-style-type: none"> • Pursuing the Agenda
2:30-2:45		Break
2:45-3:45	<ul style="list-style-type: none"> • Group activity – A “Gallery Walk” during which conference participants share results of the previous group efforts and vote on project(s) with most potential to have an impact 	<ul style="list-style-type: none"> • Sharing the Results
3:45-4:45	<ul style="list-style-type: none"> • Patricia Farley Brennan, PhD, Director, National Library of Medicine 	<ul style="list-style-type: none"> • High-reliability Health Care Systems and the NLM—Making It Happen
4:50-5:00	<ul style="list-style-type: none"> • Oguzhan Alagoz, PhD, Professor, Industrial and Systems Engineering, Associate Director, WIHSE • Pascale Carayon, PhD, Procter & Gamble Professor in Total Quality, Industrial and Systems Engineering, Director, WIHSE 	<ul style="list-style-type: none"> • Conference Wrap-up
5:00-4:30		Evening Reception and Poster Session

Last Updated: Apr. 20, 2018

[WIHSE Executive Committee Member Douglas Wiegmann Uses Lessons Learned from Plane Crashes to Improve Patient Safety](#)

Associate Prof. Doug Wiegmann leads a pilot study for analyzing and correcting the root causes of patient harm events at UW Health. Having studied hundreds of accident reports containing thousands of causal factors to improve the aviation industry's safety protocols, Wiegmann is now applying his experience to health care. Wiegmann and his UW Health colleagues will develop a toolkit—consisting of guidelines, interview questions, checklists and causal factor diagrams—to help stakeholders decide which corrective steps they should take to reduce patient harm events.



Dr. Douglas Wiegmann

[QSI Lab Students Presenting Project Posters on May 10](#)

The [Quality, Safety, and Innovation Lab](#) provides students with experience applying systems engineering tools and training in a healthcare setting. The Lab partners with UW Hospitals and Clinics to work on various quality and process improvement projects. Led by Professor Oguzhan Alagoz, Associate Director of WIHSE, the Lab officially made its transition to becoming an affiliate of WIHSE in early 2018. The students will be presenting their project posters on May 10, from 11:30AM-1:00PM at the UW Hospital and Clinics room G5/152. Attendees may come and go as their schedule permits. All are welcome to attend!



Quality, Safety, & Innovation Lab Project Poster Presentations

Date: May 10th

Time: 11:30 AM – 1:00 PM

Location: UW Hospital and Clinics

Room G5/152

Attendees may come and go as their schedules permit. Brief project introductions will be given at **11:35AM** and attendees will be able to visit the posters afterward.

Projects that will be presented include:

- Streamline of Transplant Call Center Phone Tree
- Improving Pediatric to Adult Transition
- Operating Room Traffic Study
- Cancer Clinic Cart 5S
- Inpatient Nursing/Therapy Appointment Workflow Analysis

The lab's mission is to provide students with experience applying systems engineering tools in a healthcare setting. We partner with UW Health to work on quality and process improvement projects, supporting them in their goal to be an innovative and agile leader in healthcare delivery. We are affiliated with the Wisconsin Institute for Healthcare Systems Engineering, UW Health, and the University of Wisconsin-Madison. Our lab is comprised of undergraduate and graduate students from the UW-Madison Industrial and Systems Engineering program.



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DEPARTMENT OF
Industrial and
Systems Engineering
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Visit our website to learn more about the QSI Lab: <http://quality-safety-innovation.wisc.edu>

Feel free to contact Madeline Ford (mford@uwhealth.org) or John Sandgren (jsandgren@uwhealth.org) with any questions.

Keep in touch with WIHSE!

[Twitter](#) [LinkedIn](#) wihse.egr.wisc.edu

You are receiving these emails because you have attended a WIHSE event or expressed interest in WIHSE. If you no longer wish to receive these emails, please email WIHSE administrator Melissa Wang (melissa.wang@wisc.edu)