



WIHSE Inaugural Conference

-Agenda-

March 16 - 17, 2017

H. F. DeLuca Forum,

Wisconsin Institutes for Discovery

Objective: To define the healthcare systems engineering research agenda of the future.

Thursday, March 16, 2017

7:00 – 8:00 AM: Registration and Breakfast

8:00 – 9:00 AM: Welcome: Introduction to WIHSE and the Inaugural Conference [\[presentation video\]](#)

- Pascale Carayon, Procter & Gamble Bascom Professor in Total Quality, Department of Industrial and Systems Engineering, UW-Madison [\[slides\]](#)
- Judy Faulkner, Founder and CEO, Epic
- Ian Robertson, Dean, College of Engineering, UW-Madison
- Barbara Bowers, Associate Dean for Research, Charlotte Jane and Ralph A. Rodefer Chair, Helen Denne Schulte Professor, School of Nursing, UW-Madison
- Richard Moss, Senior Associate Dean for Basic Research, Biotechnology and Graduate Studies, School of Medicine and Public Health, UW-Madison
- Steve Swanson, Dean, School of Pharmacy, UW-Madison
- Steve Ackerman, Associate Vice Chancellor for Physical Sciences, UW-Madison

9:00 – 10:00 AM: Keynote Address

- Carolyn Clancy, Deputy Under Secretary for Health for Organizational Excellence, Department of Veterans Affairs [\[slides\]](#) [\[presentation video\]](#)

10:00 – 10:30 AM: Break

10:30 AM – 12:00 PM: Small Group Discussion about WIHSE Research Themes

- Monitoring and anticipating safe care transitions for pediatric patients
- Monitoring and anticipating safe care transitions for elderly patients
- Smart automation and technologies for coordinating and communicating diagnosis and treatment of cancer
- Smart automation and technologies for coordinating and communicating diagnosis and treatment of diabetes
- Smart and connected patient-centered care: Implications for clinical decision support, telehealth and sensing technologies
- Patient safety: Modeling, forecasting and responding to healthcare-associated infections
- Patient safety: Modeling, forecasting and responding to medication errors

12:00 – 1:00 PM: Lunch

1:00 – 2:00 PM: Perspectives from Healthcare Delivery [\[presentation video\]](#)

Facilitator: Maureen Smith, Professor, Departments of Population Health Sciences and Family Medicine, UW-Madison

- Michael McGinnis, Leonard D. Schaeffer Executive Officer, National Academy of Medicine
- Alan Kaplan, CEO, UW Health

2:00 – 2:15 PM: Break

2:15 – 3:45 PM: Perspectives from Stakeholders [\[presentation video\]](#)

Facilitator: M. Elizabeth Meyerand, Professor, Department of Biomedical Engineering, UW-Madison

- Jeff Brady, Director, Center for Quality Improvement and Patient Safety, Agency for Healthcare Research and Quality [\[slides\]](#)
- Bradford Hesse, Chief, Health Communication and Informatics Research Branch, National Cancer Institute [\[slides\]](#)
- Chuck Officer, Vice President of Innovation, UnitedHealth Group [\[slides\]](#)
- Tejal Gandhi, President and CEO, National Patient Safety Foundation [\[slides\]](#)

3:45 – 4:45 PM: Small Group Sessions

- Follow-up from morning sessions

4:45 – 5:00 PM: Wrap-up of the Day

- Pascale Carayon

5:00 – 6:30 PM: Evening Reception and Poster Session

Friday, March 17, 2017

7:30 – 8:30 AM: Breakfast; Optional Continuation of Small Group Discussions

8:30 – 8:35 AM: Welcome and Overview of the Morning

- Pascale Carayon

8:35 – 10:15 AM: Perspectives on Interdisciplinary Collaboration [\[slides\]](#) [\[presentation video\]](#)

Facilitator: Dan Thoma, Director, Grainger Institute for Engineering, UW-Madison

- Peter Hoonakker, Research Scientist and Associate Director for Research, Center for Quality and Productivity Improvement, UW-Madison & Michelle Kelly, Assistant Professor, Department of Pediatrics, UW-Madison
- Jingshan Li, Professor, Department of Industrial and Systems Engineering, UW-Madison & Al Musa, Physician and Board Chair, Dean Medical Group
- M. Elizabeth Meyerand, Professor, Department of Biomedical Engineering, UW-Madison & Vivek Prabhakaran, Assistant Professor, Department of Radiology, UW-Madison
- Linsey Steege, Assistant Professor, School of Nursing, UW-Madison & Barbara King, Assistant Professor, School of Nursing, UW-Madison
- Nicole Werner, Assistant Professor, Department of Industrial and Systems Engineering, UW-Madison & Manish Shah, Associate Professor, Department of Emergency Medicine, UW-Madison
- Douglas Wiegmann, Associate Professor, Department of Industrial and Systems Engineering, UW-Madison & Caprice Greenberg, Professor, Department of Surgery, UW-Madison

10:15 – 10:45 AM: Break

10:45 – 11:45 AM: Keynote Speaker

- Patricia Flatley Brennan, Director, National Library of Medicine [\[slides\]](#) [\[presentation video\]](#)

11:45 AM – 12:00 PM: Wrap-up, Next Steps and Thank You

- Pascale Carayon