

AGENDA

DAY ONE: WHAT ENGINEERING KNOWLEDGE IS NEEDED TO CREATE A DESIRED FUTURE FOR HEALTH CARE?

- 8:00 am** *Registration and Continental Breakfast*
- 8:30 am** **Welcome**
Patricia Flatley Brennan, Lillian L. Moehlman Bascom Professor, School of Nursing and College of Engineering, University of Wisconsin-Madison
- 8:35 am** **Welcome and Comments by AHRQ & NSF**
Teresa Zayas-Cabán, Senior Manager, Health IT, Agency for Healthcare Research and Quality
- Cerry Klein, Program Director, Service Enterprise Systems and Manufacturing Enterprise Systems, National Science Foundation*
- 9:00 am** **Chair's Presentation**
Patricia Flatley Brennan
- 9:30 am** **Keynote Presenter**
*Maulik Joshi, President, Health Research & Educational Trust
SVP of Research, American Hospital Association*
- 10:00 am** **Plans for the Day**
Patricia Flatley Brennan
- 10:10 am** *Break*
- 10:30 am** **Vision Statements**
1. Information Technology/Finance and Quantitative Decision Making
 2. Systems Analysis, Change and Implementation Theories
 3. Materials Management and Production Processes
 4. Human Factors and Sociotechnical Systems
 5. Quality Engineering
- 12:00 pm** *Lunch*

1:00 pm

Breakout Groups:

Breakout A: Information Technology/ Finance and Quantitative Decision Making

Session Co-Chairs – James Walker, Chief Health Information Officer, Geisinger Health Systems; Brian Denton, Assistant Professor, North Carolina State University

Breakout B: Systems Analysis, Change and Implementation Theories

Session Chair – José L. Zayas-Castro, Professor & Chairperson, University of South Florida

Breakout C: Materials Management and Production Processes

Session Chair – Eugene S. Schneller, Ph.D., Professor, School of Health Management and Policy, W. P. Carey School of Business Arizona State University

Breakout D: Human Factors and Sociotechnical Systems

Session Chair – Stephanie Guerlain, Associate Professor, Department of Systems and Information Engineering, University of Virginia

Breakout E: Quality Engineering

Session Chair – James Benneyan, Executive Director, New England VA, Healthcare Engineering Partnership, Director, Quality and Productivity Laboratory, Northeastern University

2:30 pm

Open Discussion

3:30 pm

Break

3:45 pm

Cross-cutting Groups:

Breakout A: Managing acute illness and disease

Breakout B: Creating effective models of health promotion and disease prevention

Breakout C: Insuring chronic disease management

Breakout D: Enhancing the end-of-life experience

Breakout E: Facilitating public health

Breakout F: Accelerating discovery

- 5:15 pm** **Chair's Summary**
Patricia Flatley Brennan
- 5:30 pm** *Adjourn*
- 6:00 pm** **Working Dinner**
Address by Aneesh Chopra, Chief Technology Officer & Associate Director of Technology, Office of Science and Technology Policy, United States

DAY TWO: FROM DISCUSSION TO ACTION: A PLAN FOR MOVING AHEAD

- 8:00 am** *Working breakfast*
- Policy Discussion (research in an ever-changing world)**
Patricia Flatley Brennan
- 8:45 am** **Plans for the Day**
Patricia Flatley Brennan
- 9:00 am** **Breakout Groups:**
- Breakout A: Information Technology/ Finance and Quantitative Decision Making**
Session Co-Chairs – James Walker, Chief Health Information Officer, Geisinger Health Systems; Brian Denton, Assistant Professor, North Carolina State University
- Breakout B: Systems Analysis, Change and Implementation Theories**
Session Chair – José L. Zayas-Castro, Professor & Chairperson, University of South Florida
- Breakout C: Materials Management and Production Processes**
Session Chair – Eugene S. Schneller, Ph.D., Professor, School of Health Management and Policy, W. P. Carey School of Business Arizona State University
- Breakout D: Human Factors and Sociotechnical Systems**
Session Chair – Stephanie Guerlain, Associate Professor, Department of Systems and Information Engineering, University of Virginia
- Breakout E: Quality Engineering**
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Industrial and Systems Engineering and Health Care: Critical Areas of Research Workshop

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- 10:00 am** *Break*
- 10:15 am** **Presentation: Research Agenda**
- 11:30 am** **Update and Revise Research Agenda (Group Work)**
- 12:15 pm** *Lunch*
- 1:00 pm** **Roundtable Discussion**
Led by Patricia Flatley Brennan
- 3:00 pm** **Concluding Remarks**
Patricia Flatley Brennan
- 3:10 pm** **Thanks and Logistics**
Patricia Flatley Brennan
- 3:30 pm** *Adjourn*