

## Human Factors in Healthcare (May 1st, 2013)

*Dr. Susan Hallbeck, PE, CPE*

On May 1st 2013, nine intrepid IIE members braved a threatening snow storm to attend a presentation on Human Factors Engineering in Health Care at the Brunswick Zone in Lakeville. Dr Susan Hallbeck PE, CPE traveled from Rochester, MN to present the research she is doing on human interactions with patients, equipment, facilities and environments at the Center for the Science of Healthcare Delivery at Mayo Clinic. Dr. Hallbeck is an IE Professor at the University of Nebraska, Lincoln with a courtesy appointment in Surgery at the University of Nebraska Medical Center.



Her presentation showcased the breadth of applications of industrial engineering and ergonomic design in a healthcare environment. Dr. Hallbeck presented a series of her healthcare research projects, including:

- Redesign of hospital crash cart drawers to reduce errors in crisis situations
- Ergonomic design issues of arthroscopic tools
- Decision aid for assigning blood thinners upon admission for hospital patients
- Impact of surgical team stress on patient outcomes
- Signage for wayfinding in a hospital environment

Many thanks to Dr. Hallbeck for sharing her extensive knowledge of human factors in healthcare and for everyone that was able to join us.