

**Call for Papers**  
**International Journal of Industrial Ergonomics**  
***Special Issue on ‘Human Factors and Ergonomics in Healthcare Delivery’***

Authors are invited to submit original manuscripts for a special issue in the International Journal of Industrial Ergonomics (IJIE), to be published in Fall 2010. The theme of this special issue will be “Human Factors and Ergonomics in Healthcare Delivery”.

IJIE is seeking high quality submissions that focus on the application of Human Factors and Ergonomics to advance the delivery of healthcare. The submission of a manuscript for consideration implies that the work described has not been published previously or is not under consideration for publication elsewhere.

The crisis surrounding the U.S. healthcare system is quickly spiraling out of control. For all of its achievements, the healthcare sector is plagued by rising costs, significant inefficiencies and escalating concerns for patient safety. While healthcare organizations continuously seek to improve the care that they provide, they often fail to consider either the basic human element in the system or the larger systems aspect of how the healthcare delivery system is interrelated. Therefore, the adoption of a human-centered approach is of paramount importance in the design, analysis, and improvement of healthcare work systems to enhance the delivery and safety of patient care. It is at this point that human factors professionals and ergonomists must confront what Lucian Leape described as “the ultimate challenge,” the complexity of healthcare and the numerous barriers to change. Human factors and ergonomics is uniquely positioned to significantly impact the field of healthcare delivery by directly confronting the issues of human error and patient safety, communication and care delivery coordination, organizational design, and assistive technology. While human factors and ergonomics has been recognized in applications that involve the design, redesign, and usability of medical devices and information technology solutions, to name a few, the discipline has a remarkable potential to leverage interdisciplinary approaches to transform healthcare delivery to a safe, effective, patient-centered, timely, efficient, and equitable system.

IJIE welcomes papers in the broad area of Human Factors and Ergonomics in Healthcare. ***Topics to be covered include, but are not limited to:***

- **Healthcare Delivery and Process Improvement**
  - Improvement of healthcare delivery system (efficiency, effectiveness, productivity, economics, innovation, and quality)
  - Healthcare organizational design
  - Integrated healthcare delivery systems
- **Healthcare Communication**
  - Healthcare telecommunications
  - Electronic health record

- Healthcare information operating systems
- Ergonomics and design (including environmental ergonomics)
- **Healthcare Facility Design**
  - Healthcare facilities and infrastructure
  - Innovative operating room and patient room design
- **Clinical Environment and Patient Safety**
  - Healthcare safety, security and reliability engineering
  - Healthcare engineering and aging (elderly patient services, adaptive equipment, assistive technology, long-term care)
  - Clinical decision support, computer aided diagnosis

**Timeline and Important Dates:**

Call for papers published: April 15, 2009

Letters of intent: June 1, 2009

Submission deadline: August 31, 2009

Reviews available: December 30, 2009

Tentative publication date: Fall 2010.

**Letters of Intent:**

When sending your letter of intent to the guest editors in response to this call, please include a draft title for the manuscript, a short abstract (approximately 100 words), and a list of up to five topical key words so that appropriate reviewers can be solicited for the issue.

**Manuscript Submission Instructions:**

For more information on the International Journal of Industrial Ergonomics, including the Guide for Authors, please see <http://www.elsevier.com/locate/ergon>. Detailed submission guidelines for this special issue will be sent after the letter of intent is received.

**Guest Editors:**

**Sandra K. Garrett**

Clemson University  
Clemson, South Carolina 29634  
[garrett@clemson.edu](mailto:garrett@clemson.edu)

**Mohammad T. Khasawneh**

State University of New York at Binghamton  
Binghamton, New York 13902  
[mkhasawn@binghamton.edu](mailto:mkhasawn@binghamton.edu)