Call for Paper: Special Issue for Health Informatics, IIE Transactions on Healthcare Systems Engineering

Health informatics is a multidisciplinary field that uses health information technology to improve healthcare on its effectiveness, efficiency, timeliness, safety and quality. Health informatics bridges information technology, computer science, statistics, data analytics, management science, systems engineering, social science and other fields to improve the healthcare workflow, enable better clinical processes, support decision making, identify patients risk, and provide information to enhance patient safety and quality.

Over the past few years, the acceleration of Electronic Health Record (EHR) adoption brought by "meaningful use" incentive programs from the Centers for Medicare and Medicaid Services, and the rapid progress on the infrastructures and methodologies on data analytics, drive the rapid growth of healthcare informatics. In the industrial and system engineering and operations research community, Health informatics is becoming more and more popular, and there are increasing number of IE/OR faculty members becoming specialized in healthcare related research and number of research publications are increasing very rapidly. In order to provide a publication venue to promote and present the emerging research results in the area of health informatics and to investigate the impacts and applications of healthcare informatics in healthcare industry, IIE transactions on Healthcare systems engineering is organizing a special issue for researchers, clinicians, scientists and engineers presenting their innovative work on the topic of healthcare informatics.

Prospective authors are encouraged to submit their completed or ongoing original work related to the health informatics field in this special issue. The topics include but are not limited to:

- EHR, HIS and other clinical information systems
- Healthcare workflow and process modeling and simulation
- Disease modeling
- Artificial Intelligence in healthcare
- Big data analytics and machine learning in healthcare
- Healthcare data acquisition, transmission, management and visualization
- Medical imaging/biomedical signal processing and analytics
- Data driven health logistics and supply chain management
- mHealth Innovations
- Data driven healthcare operation analysis
- Quality and Reliability Engineering method for patient quality and safety
- Health economics
- Health Care Management and Policy
- Cognitive computing for healthcare delivery and disease management
- Meaningful use and legislative issues
- Other topics related to healthcare informatics

Authors can submit their manuscripts via the ScholarOne Manuscripts (Choose for special issue):

https://mc.manuscriptcentral.com/uhse

Important Dates:

December 31, 2016, Manuscript submission

February 15, 2017, Notification of disposition of manuscript

March 31, 2017, Final Revision

June 1, 2017, Final Paper Acceptance Decision

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Guest Editors:

Kai Yang
Wayne State University
Kai.yang@wayne.edu
Kai Yang is a Professor of the Industrial and Systems Engineering Department and the Director of the Healthcare System Engineering Group of Wayne State University. Dr. Yang's areas of research include statistical methods in quality and reliability, health informatics and healthcare system engineering. Dr. Yang's group works closely with US Veteran Health Administration and involved with 23 healthcare system engineering and informatics projects since 2010. Dr Yang is a department editor of health informatics of IIE Transactions on Healthcare Systems Engineering.

Jyotishman Pathak
Weill Cornell Medicine, Cornell University
jyp2001@med.cornell.edu
Dr Jyotishman Pathak is the Chief of Division of Health Informatics, Department of Healthcare Policy and Research, at Weill Cornell Medicine. Prior to joining Weill Cornell, he was the Professor of Biomedical Informatics at Mayo Clinic in Rochester, Minnesota, where he conducted research in biomedical knowledge representation and semantic information integration. Dr Pathak's research interest and expertise lies in developing and applying informatics methods for data mining and phenotype extraction from electronic health records (EHRs), and their applications in pharmacogenomics, comparative effectiveness research, and population health research.

Min Zhang
Mayo Clinic
Zhang.Min@mayo.edu
Dr. Min Zhang is an imaging scientist and assistant professor of Radiology from the department of Radiology, Mayo Clinic Arizona. He is also an adjunct faculty member of school of computing, informatics, and decision systems engineering, Arizona State University. Dr. Zhang's research area includes imaging informatics, healthcare systems engineering, pattern recognition and machine learning in healthcare. Dr. Zhang received his Ph.D. from Arizona State University in industrial engineering.