



CALL FOR PAPERS – SPECIAL ISSUE JOURNAL OF THE MIDWEST ASSOCIATION FOR INFORMATION SYSTEMS (JMWAIS)

THEME: HEALTH INFORMATION SYSTEMS - INTEGRATION IN THE
GLOBAL HEALTHCARE ECOSYSTEM

Description

The recent proliferation of technologies for healthcare in the form of electronic medical records (EMRs)/electronic health records (EHRs), clinical decision support systems (CDSS), online patient portals (eportals), health information systems (HIS), health information technology (HIT), mobile Health (mHealth), health information exchange (HIE), and patient/practitioner scheduling software has proven to be both a significant opportunity and challenge for healthcare professionals, hospital administration and IT specialists in the healthcare domain. Existing research extolls the opportunities and benefits of HIS/HIT adoption in a variety of healthcare scenarios and contexts. These scenarios range from public and private hospitals in the developed world to the delivery of healthcare services among rural communities in developing countries where novel and innovative technologies, such as sensors, big data, and data analytics, are leveraged to provide new insights into individual and population health.

However, research to date has largely overlooked the “big picture” necessary to ensure the seamless integration of innovative health information systems into the complex global healthcare ecosystem. Given that *“integration has been the Holy Grail of Management Information Systems since the early days of computing in organizations.”* (Kumar and van Hillegersberg, 2000, p.23) and the recent recommendation that future developments in health information systems need to move away from vertical silos to horizontally integrated systems that facilitate a standardized and holistic delivery of health care across all levels of delivery (Adenuga et al., 2015). This Special Issue calls for research papers that investigate unique challenges and opportunities for Information Systems (IS) integration in the healthcare domain. More specifically, the focus is on the examination of the role of IT/IS in a communication process of collaborative work environment (Angst, et al., 2012).

Embracing the theme of integration, we encourage researchers to consider the various facets of integration including social, cultural and technical aspects. In addressing the theme, this special issue welcomes empirical research studies that pursue a socio-technical approach (Chib et al., 2015) to

HIS/HIT integration. **We seek comprehensive completed research papers** in topics including but not limited to:

- Ontologies for HIS/HIT
- Wearable Health Informatics
- Semantic Interoperability in HIS/HIT
- Design and Development of Methodologies for Integrating Healthcare IT
- Mobile Technologies for Healthcare Applications
- Knowledge Management in Healthcare
- Clinical Decision Support Systems (CDSS)
- Performance evaluation of HIS/HIT
- Big data for an Integrative Healthcare ecosystem
- Analytics: Combining key ingredients from medical, administrative, financial, legal and corresponding service processing data for improved decision making and better care delivery
- Analytics focused on cost, quality, and efficiency of healthcare delivery
- Opportunities and challenges for HIS/HIT integration in developed and developing worlds
- Adoption, diffusion, and assimilation of HIS/HIT
- Telehealth integration and implementation
- Sensors for medical applications
- Safety, security, and privacy of information in healthcare
- Patient-centered healthcare management
- Building and using clinical decision support systems for system wide (hospital, ambulatory, physician office, home care) management
- Achieving global interoperability in healthcare datasets and systems
- Integrating point-of-care diagnostics into HIS
- How pharma solutions like patient support programs, adherence programs, and mobile health tools are being integrated into larger healthcare ecosystems

Helpful hints for writing your paper:

- Topic is relevant to Special Issue theme and will draw an audience.
- Objectives are clear and well-described.
- Paper is clearly written.
- Paper is well organized and flows logically.
- Literature review is complete, recent (where important) and relevant.
- Methodology (or proposed methodology) is clearly explained and fit for purpose.
- Evidence supports authors' arguments.
- Paper makes contributions to the field, or has potential for contributions.
- Reference list is complete and formatted appropriately.

Submitted papers should adhere to [JWMAIS](#) submission guidelines. Submit papers to: Ciara Heavin (c.heavin@ucc.ie). Please use email title "SI-Integration HIS"

For further information contact the Special Issue Editor Ciara Heavin, Business Information Systems, University College Cork, Cork, Ireland (c.heavin@ucc.ie).

Reference

Adenuga, O. A., Kekwaletswe, R. M., & Coleman, A. (2015). eHealth integration and interoperability issues: towards a solution through enterprise architecture. *Health information science and systems*, 3(1), 1.

Angst, C. M., Devaraj, S., & D'Arcy, J. (2012). Dual role of IT-assisted communication in patient care: a validated structure-process-outcome framework. *Journal of Management Information Systems*, 29(2), 257-292.

Chib, A., van Velthoven, M. H., & Car, J. (2015). mHealth adoption in low-resource environments: A review of the use of mobile healthcare in developing countries. *Journal of Health Communication*, 20(1), 4-34.

Kumar, K., & Hilligersberg, J. (2000). ERP experience and evolution. *Communication of ACM*, 43(4), 23-26.

Important Dates:

Date	Event
February 1, 2017	Deadline for manuscript submission: by midnight PST
March 1, 2017	First round reviews sent to authors
April 1, 2017	Submission of requested revisions
April 15, 2016	Authors notified of final publication decision
May 15, 2017	For accepted articles, camera ready article for publication due by midnight PST for final editorial review
July 2017	Publication in Journal of the Midwest Association for Information Systems (JMWAIS)