

Mohammed Sajedur Rahman, Ph.D.

Assistant Professor of Information Systems
School of Business, Emporia State University
1 Kellogg Circle, Emporia, KS 66801
Email: mrahman@emporia.edu
Office Phone: (620) 341-5088

EDUCATION

- Doctor of Philosophy in Business Administration** July, 2015
Concentration in Healthcare Information Systems
The University of Texas at San Antonio, College of Business
Dissertation: *Understanding Factors Influencing Intention to Use Electronic Health Records (EHRs): An Integration of Multiple Theoretical Perspectives*
Advisor: Dr. Myung Ko
- Master of Science in Computer Science** December, 2004
The University of Texas at Dallas, Richardson, TX
- Bachelor of Science in Computer Science** May, 2002
The University of Texas at Austin, Austin, TX

ACADEMIC EXPERIENCE/APPOINTMENTS

- August 2015 – Present** **Assistant Professor of Information Systems**
School of Business, Emporia State University
Emporia, KS
- August 2014 – August 2015** **Lecturer I**
Department of Information Systems & Cyber Security
The University of Texas at San Antonio, San Antonio, TX
- August 2011 – July 2014** **Instructor and Graduate Research Assistant**
Department of Information Systems & Cyber Security
The University of Texas at San Antonio, San Antonio, TX
- August 2010 – July 2011** **Graduate Research Assistant**
Department of Information Systems & Cyber Security
The University of Texas at San Antonio, San Antonio, TX
- January 2002 – May 2004** **Graduate Research Assistant**
Department of Computer Science
The University of Texas at Dallas, Richardson, TX

PROFESSIONAL EXPERIENCE/APPOINTMENTS

- Jan 2007 – Aug 2010 Sr. Software Verification Engineer (Department Lead)
Stryker Communications, Flower Mound, TX
- May 2004 – Dec 2006 Software Verification Engineer
Nortel Networks, Richardson, TX

TEACHING EXPERIENCES

Courses at Emporia State University, Emporia, KS

Telecommunications and Networking Applications (IS 473A), Spring 2016

This is an upper division course providing an in-depth look in telecommunications terminology and concepts relating to voice and data networks, including signaling and multiplexing. Network topologies, protocol fundamentals, and architectures are presented and compared. In addition, Frame relay, X.25, and ATM packet technologies are introduced and network security fundamentals are explored.

Business Computer Systems Analysis (IS 333A & IS333ZA), Fall 2016, Spring 2016, Fall 2015

This is an upper division course providing in-depth understanding of different approach to System Development Life Cycle (SDLC). This course also focus on developing various project management, communication, and problem solving skills by using different tools and techniques used by project leaders and system analysts. I teach two sections of this course with both face-to-face and online format.

Database Concepts (IS 413A), Fall 2016, Spring 2016, Fall 2015

This is an upper division course providing in-depth understanding of the basics of database administration, performance, and optimization.

Courses Taught at the University of Texas at San Antonio, San Antonio, TX

Operating Systems (IS 3033), Fall 2012 – Summer, 2015

This is an upper division course providing in-depth understanding of different operating systems (OS) related concepts such as memory management, processor management, and disk management. A simulated OS (virtual machine) is used to provide students with in-class hands-on experience.

Object-Oriented Programming (JAVA) Lab (IS2031 & IS2041), Fall 2014, Spring 2015

These courses provide hands-on experience for learning object-oriented programming language. Both courses utilize JAVA software development tool (DrJAVA) to develop basic applications using underline programming concepts.

Business Information Systems Fluency (IS1403) – Online Course, Spring 2015

This is an online-based course where students learn the basic information systems applications that are used daily in business environment.

Principles of Information Systems Management (IS 3003), Fall 2011 & Spring, 2012

This course provided a basic Information Systems foundation to most of the business students. I was responsible to design course curriculum, prepare and deliver lectures, prepare homework and project assignments, and evaluate students.

RESEARCH INTERESTS

Healthcare Information Systems Management, Adoption, Diffusion, and Use
Healthcare Information Systems Security and Privacy Issues
Healthcare Decision Support Systems
Artificial Intelligent and Healthcare Information Systems

ACADEMIC PUBLICATIONS

Papers and Conference Proceedings

1. **Rahman Mohammed Sajedur** (Forthcoming, 2017). "Does Personality Matter When We Are Sick? An Empirical Study of the Role of Personality Traits and Health Emotion in Healthcare Technology Adoption

Decision”. *Proceedings of the Fiftieth Hawaii International Conference on System Sciences (HICSS-50)*, Wailoaloa, HI. January 4-7, 2017.

2. **Rahman, Mohammed Sajedur**; Ko, Myung; Warren, John; Carpenter, Darrell (2016). “Healthcare Technology Self-Efficacy (HTSE) and Its Influence on Individual Attitude: An Empirical Study.” *Computers in Human Behavior*, 58, pp 12 – 24.
3. Husain, Adil S.; **Rahman M. Sajed**; Baisden, Clinton E.; Forgione, Dana A.; Kane, Lauren; Neish, Steven R.; Calhoon, John H. (2015). “Creating a “Value Index”: A Method to Compare Regional Programs Performing Congenital Heart Surgery”. *Journal of Health Care Finance*, (42:Special), pp 1 - 12.
4. **Rahman, Mohammed Sajedur**; Ko, Myung (2013). “Toward Systematic Identification of Stakeholders for Healthcare Information Systems: A Feature-Based Method.” *Proceedings of the Nineteenth Americas Conference on Information Systems (AMCIS)*, Chicago, Illinois. August 15 – 17, 2013.
<http://aisel.aisnet.org/cgi/viewcontent.cgi?article=1221&context=amcis2013>
5. **Rahman, Mohammed S.**; Ko, Myung (2012). “Factors Influencing Patients' Perceptions toward Electronic Medical Record (EMR) Use: A Conceptual Model.” *Proceedings of the Eighteenth Americas Conference on Information Systems (AMCIS)*, Seattle, Washington August 9 – 12.
<http://aisel.aisnet.org/amcis2012/proceedings/ISHealthcare/2/>
6. **Rahman, Mohammed S.**; Kreider, Christopher (2012). “Information Security Principles for Electronic Medical Record (EMR) Systems.” *Proceedings of the Eighteenth Americas Conference on Information Systems (AMCIS)*, Seattle, Washington. August 9 – 12.
<http://aisel.aisnet.org/amcis2012/proceedings/ISHealthcare/9/>

Symposium, Magazine, and Poster Presentation

1. Rahman, Mohammed Sajedur and Forgione, Dana A. (2015) Why Do Patients Use EHRs? *San Antonio Medicine*, (68:10), pp 40 - 41. <http://bcms.org/SAM/2015/SAMOct2015/index.html#p=40>
2. **Rahman, Mohammed Sajedur** (2015) Understanding Healthcare Technology Adoption Behavior: An Interdisciplinary Perspective. *Journal of International & Interdisciplinary Business Research (JIIBR) Symposium 2015, California, October 7-9.*
3. Husain, S.; **Rahman, M. S.**; Forgione, D.; Kane, L.; Neish, S.; Baisden, C.; Calhoon, J. (2013). “Creating a Value Index: A Method to Compare Regional Programs Performing Congenital Heart Surgery.” *The Society of Thoracic Surgeons 49th Annual Meeting & Exhibition (STS)*, Los Angeles, California. January 26 – 29. **Won Best Poster Award.**

Research in Progress

1. **Rahman, Mohammed Sajedur** “Characteristics of Patient Portal Users: A Study of the Role of Personality Traits and Health Emotion.”
2. **Rahman, Mohammed Sajedur.** “Validation of Health Technology Self-Efficacy (HTSE) Scale”
3. **Rahman, Mohammed Sajedur**; Myung Ko. “Current State of Health Information Systems Research.”
4. **Rahman, Mohammed Sajedur.** “Security Research in Health Information Systems and Information Security Principles for Electronic Health Record (EHR) Systems Implementation.”

SERVICES

Committee Member	ESU Information Systems Curriculum Committee	Fall 2015 – Present
Committee Member	ESU Student Learning Committee	Fall 2015 – Present
Committee Member	General Education Council	Fall 2016 – Spring 2017
Advisor	ESU Cricket Club	Spring 2016 – Present
Member	Association of Information Systems	
Ad Hoc Reviewer	Hawaii International Conference on System Sciences	
Ad Hoc Reviewer	European Journal of Information Systems (EJIS)	
Ad Hoc Reviewer	Communications of the Association for Information Systems (CAIS)	
Ad Hoc Reviewer	Journal of Electronic Commerce Research	
Reviewer	AMCIS 2012, AMCIS 2014, ICIS 2014	
Doctoral Consortium	AMCIS 2013	

SCHOLARSHIP, AWARDS, & GRANTS

Fall 2016	Recipient of Professional Development Grant (\$675)
Spring 2016	Recipient of Faculty Research Grant (\$510)
Fall 2012 – Spring 2013	Tesoro Scholarship, University of Texas at San Antonio
Summer 2013	Graduate Student Professional Development Award, UTSA
Fall 2010 – Spring 2014	Doctoral Fellowship, University of Texas at San Antonio
Fall 1997 – Spring 1999	Presidential Scholarship, University of Texas at Austin
Fall 1999 – Spring 2000	Texas Ex-Student Scholarship, Univ. of Texas at Austin