Merete Hvalshagen

Email: mhvalshagen1@udayton.edu

Education

PMP Certification	**Project Management Institute, 2013** PMP Project Management Professional
Ph.D.	**Indiana University, Kelley School of Business, 2011** Major: Management Information Systems. Minor: Cognitive Psychology Dissertation: Harnessing Narratives to Understand User Requirements
M.B.A.	**Indiana University, Kelley School of Business, 2002** Majors: Strategic Management , Marketing
Executive Training	**Norwegian School of Management , 1999** (1/3 of the Master of Management program) Project Management
M.S. (Diploma Engineer)	**Norwegian University of Science and Technology, 1997** Major: Computer Information Systems Thesis: Rosetta – A Data Mining Tool Based on Rough Set Theory
B.S. (Diploma Engineer)	**Norwegian University of Science and Technology, 1995** Major: Computer Information Systems

Academic Appointments

Jan 2017 – Present   School of Business, University of Dayton (Clinical Assistant Professor of MIS)

Teaching:

- *MIS 301 (Information Systems in Organizations):* A course where students explore the impact of information systems and technology in businesses, for individuals, and in society. Includes labs and hands-on practice with various software tools, including database and business intelligence tools.
- *MBA 660/MBA 660 (2U): (Information Technology and Systems):* An online course where graduate students are provided with the technical foundations for understanding and using various types of information systems (IS). Includes hands-on assignment with business technology like advanced spreadsheets, database applications, and business intelligence tools.
- *MBA 615 (2U): (Business Analytics: Processes and Applications):* An online course where graduate students are introduced to the main phases of the life cycle of analytics. Includes hands-on assignments using current BI analytics tools like Tableau and SPSS.
- *MIS 305: (Introduction to Business Applications: Problem Solving with Visual Tools):* Introduction to basic programming structures, graphical user interface design, and other tools using a visual programming language such as Visual Basic.net.
- *MIS 307: (Developing Spreadsheet Applications):* Application of computer programming concepts to the spreadsheet environment. Development of full-featured spreadsheet applications.
- *MIS 366: (Business Intelligence):* The use of computer-based data analysis tools to support managers in problem solving and decision making.
- *UDI 229: (Creative Analytics Mini-Series):* A course where students are introduced to commonly used Business Analytics (BA) methods through a series of hands-on assignments

Jan 2016 – Dec 2016   School of Business, University of Dayton (Adjunct Instructor of MIS)

Teaching:

- *MIS 301 (Information Systems in Organizations):* See description above.
- *MBA 660: (Information Technology and Systems):* See description above.

Jan 2015 – Dec 2015   School of Business, University of Dayton (Visiting Assistant Professor of MIS)

Teaching:

- *MIS 301 (Information Systems in Organizations): See description above.*
- *MBA 660: (Information Technology and Systems):* See description above

Service and Other Academic Activities:

- *Master of Business Analytics:* Lead the curriculum planning and development for the MIS classes within the new graduate program
- *National Student Case Competition:* Successfully guided several student teams in a national case competition. One team ended up as a finalist, placing third, and receiving formal recognition.

Aug 2013 – Dec 2014   School of Business, University of Dayton (Adjunct Instructor of MIS)

Teaching:

- *MIS 366/MIS 366 (Business Intelligence):* This course provides students with a comprehensive understanding of the field of Business Intelligence (BI), and focuses on the skills needed to plan and execute BI initiatives in an organization. Hands-on assignment includes advanced data mining tools, end-user visualization, and BI life-cycle management with MS SQL Server.
- *MIS 301 (Information Systems in Organizations):* See description above.
- *MBA 660: (Information Technology and Systems):* See description above.

Aug 2010 – Jul 2012   Tabor School of Business, Millikin University (Assistant Professor of IS)

Teaching:

- *Data Mining for Business Intelligence:* Application of methods for data description and reduction, methods for building predictive models using analysis techniques like multiple linear regression, logistic regression, and k-nearest neighbors.
- *Databases and Database Application Development:* Information analysis, conceptual design, logical design, physical design, normalization, SQL programming, database application development.
- *Introductory Programming:* Windows programming with Visual Studio, C#, and programming concepts like variables, methods, event handling, file I/O, and debugging.
- *Intermediate Programming:* Windows programming with Visual Studio, C#, and programming concepts like classes, abstractions, specialization and inheritance, and polymorphism, database-driven applications, and error handling.
- *Web Programming:* Web programming using Visual Studio, ASP.net, C#, and programming concepts like HTML, server controls, cascading style sheets, master pages, skins, themes, and ADO.net.
- *Mobile App Programming:* Android application development with Eclipse and Java with focus on the Eclipse IDE, Android SDK Tools, and Android Development Tools.

Service and Other Academic Activities:

- *Revised IS Curriculum:* Formulated new learning goals, revised curriculum, and develop new lessons plans for a variety of IS classes to ensure an more integrated course design, to include more hands-on assignments, and to emphasize real-world relevance of IS.
- *Supported IS Adjuncts:* Provided lesson plans, guidance and support to adjuncts teaching IS classes.
- *Supervised Student Internships and Directed Studies:* Served as faculty advisor for students doing IS internships with local businesses. Also served as a faculty advisor for students performing directed studies by providing learning goals, material, lesson plans, and guidance.
- *Mentored Students:* Mentored and advised students regarding their academic progress and performance on a continuous basis throughout the academic year.
- *Information & Technology Advisory Committee:* Served as a member of the Information & Technology Advisory Committee at Millikin University.

Industry Experience

Aug 2012 – Jan 2014	**Sogeti, USA (Manager)**

- Performed Business Intelligence maturity assessment and developed Business Intelligence roadmaps for multiple clients.
- Defined business processes and requirements for master data management programs, analytical solutions, reporting solutions, and global enterprise data warehouses.
- Participated in establishing a BI User Group for the Dayton local area.

May 2002 – Aug 2002	**Megaputer Intelligence, USA (Business Consultant)**

- Developed proof-of-concepts and business proposal for business intelligence solutions for clients.
- Devised a market expansion strategy for Megaputer Intelligence.

May 2001 – Aug 2001	**PricewaterhouseCoopers Consulting, Norway (Internship – Business Consultant)**

- Consulted business clients on Customer Relationship Management (CRM) systems.

1997-2000	**IF Insurance, Norway (Project Manager, IT Consultant for Data Warehouse Group)**

- Lead data warehouse development projects.
- Developed analytical and business intelligence solutions for marketing.
- Participated in the M&A technical integration team.
- Planned and executed Y2K certification of information systems.
- Created user training programs and conducted training of business executives.

1996, 1995	**Kalin Setterberg Data AB, Norway (Internship - Programmer)**

- Developed software applications (programming, client installation, user training, and maintenance).

Journal Publications

Hvalshagen, M., Samuel, B., and Lukyanenko R., "Empowering Users with Narratives: Examining the Efficacy of Narratives for Understanding Data-Oriented Conceptual Models", Information Systems Research, Published Online 31st August, 2022

Hvalshagen, M., and Khatri, V. "ODAP: An Ontological Approach for Expressing Semantics of Analysis Patterns in Conceptual Modeling," Information Technology and Management (9:2) 2008, pp 121-134.

Hvalshagen, M. "Transforming the IT Organization for the State of Virginia," Information Systems Management (21:4) 2004, pp 52-61.

Conference Proceedings

Hvalshagen, M., Samuel, B. " Conceptual Data Models and Narratives: A Tool to Help the Tool," in: 14th Symposium on System Analysis and Design (SIGSAND), Cincinnati, Ohio, 2017.

Hvalshagen, M., Khatri, V., and Venkataraman, R. "Testing the Comprehension of Use Case Narratives and Use Cases," in: Eight Symposium on System Analysis and Design (SIGSAND), Richmond, Virginia, 2009.

Hvalshagen, M., Khatri, V., and Venkataraman, R. "Understanding Use Cases: Harnessing the Power of Narratives to Comprehend Application Domains," in: 14th Americas Conference on Information Systems (AMCIS), Toronto, ON, Canada, 2008.

Hvalshagen, M., Khatri, V., and Venkataraman, R. "Helping Non-Experts to Understand Application Domains: Stories as a Substitute for Own Experience," in: Seventh Symposium on System Analysis and Design (SIGSAND), Provo, Utah, 2008.

Hvalshagen, M., Khatri, V., and Lee, C. "Meta Ontology for Describing Analysis Patterns in Conceptual Modeling," in: 15th Workshop on Information Technologies and Systems (WITS), Las Vegas, Nevada, 2005.

Conference Presentations

Hvalshagen, M., "Teaching the Digital Natives in the Information Age" at: Millikin Interdisciplinary Conference, Decatur, Illinois, 2011.

Working Papers

Samuel, B.; Hvalshagen, M "Multimedia approaches for presenting cardinality constraints in ER Diagrams".