Dr. Kathrin Figl | Assistant Professor | kathrin.figl@wu.ac.at | kathrinfigl.com | +43 1 31336 5198

Habilitation: Schriftenverzeichnis

Titel: "Cognitive Effectiveness in Conceptual Modeling"

Autor: Dr. Kathrin Figl

Datum: 06.06.2017

Seven Articles Published in Journals Listed in the Department's Journal List

Reference	Full Reference
(Sole-Authored) Journal Article 1	Figl, Kathrin (2017). Comprehension of Procedural Visual Business Process Models. **Business & Information Systems Engineering**, 59(1), 41-67
Journal Article 2	Reinhartz-Berger, I., Figl, Kathrin, & Haugen, Ø. (2017). Investigating Styles in Variability Modeling: Hierarchical vs. Constrained Styles. **Information and Software Technology**, 87, 81-102.
Journal Article 3	Figl, Kathrin, & Recker, J. (2016). Exploring Cognitive Style and Task-Specific Preferences for Process Representations. **Requirements Engineering**, 21(1), 63-85.
Journal Article 4	Figl, Kathrin, & Recker, J. (2016). Process Innovation as Creative Problem Solving: An Experimental Study of Textual Descriptions and Diagrams. **Information & Management**, 53(6), 767–786.
Journal Article 5	Figl, Kathrin, & Laue, R. (2015). Influence Factors for Local Comprehensibility of Process Models. **International Journal of Human-Computer Studies**, 82, 96-110.
Journal Article 6	Figl, Kathrin, Mendling, J., & Strembeck, M. (2013). The Influence of Notational Deficiencies on Process Model Comprehension. **Journal of the Association for Information Systems**, 14(6), 312-338.
Journal Article 7	Figl, Kathrin, Recker, J., & Mendling, J. (2013). A Study on the Effects of Routing Symbol Design on Process Model Comprehension. **Decision Support Systems**, 54(2), 1104-1118.

Papers in Peer-Reviewed Conference Proceedings with Acceptance Rates ≤ 30% and Papers at the European Conference of Information Systems (ECIS)

Reference	Full Reference	Acceptance Rate
Paper 1	Figl, Kathrin (2017). **User Evaluation of Symbols for Core Business Process Modeling Concepts**. 25th European Conference of Information Systems (ECIS). Guimarães, Portugal. (accepted) [Acceptance rate not yet published, the conference recently had acceptance rates around 30%.]	
Paper 2	Reinhartz-Berger, I., Figl, Kathrin (2014). **Comprehensibility of Orthogonal Variability Modeling Languages: The Cases of CVL and OVM**. 18th ACM Software Product Line Conference, Florence, Italy. **(Best Research Paper Award)**	28%
Paper 3	Reinhartz-Berger, I., Figl, Kathrin, Haugen, Ø (2014). **Comprehending Feature Models Expressed in CVL**. 17th ACM/IEEE International Conference on Model-Driven Engineering Languages and Systems (MODELS), 501-517, Valencia, Spain.	24%
Paper 4	Figl, Kathrin, Koschmider, A., Kriglstein, S. (2013). **Visualising Process Model Hierarchies**. European Conference of Information Systems (ECIS), Utrecht, The Netherlands.	32%
Paper 5	Figl, Kathrin, Weber, B. (2012). **Individual Creativity in Designing Business Processes.** Advanced Information Systems Engineering Workshops. Lecture Notes in Business Information Processing. Volume 112, 294-306. Berlin: Springer.	30%
Paper 6	Figl, Kathrin, Derntl, M. (2011). **The Impact of Perceived Cognitive Effectiveness on Perceived Usefulness of Visual Conceptual Modeling Languages.** 30th International Conference on Conceptual Modeling (ER 2011). Lecture Notes in Computer Science, Volume 6998/2011, Brussels, Belgium, 78-91.	16%
Paper 7	Figl, Kathrin, Laue, R. (2011). **Cognitive Complexity in Business Process Modeling**. 23rd International Conference on Advanced Information Systems Engineering (CAISE). Lecture Notes in Computer Science, Volume 6741/2011, 452-466.	15%
Paper 8	Figl, Kathrin, Mendling, J., Strembeck, M. & Recker, J. (2010). **On the Cognitive Effectiveness of Routing Symbols in Process Modeling Languages.** Business Information Systems (BIS) 2010. Lecture Notes in Business Information Processing. Volume 47. Berlin: Springer.	<30%

Additional Publications and Presentations at International Conferences

Reference	Full Reference
Journal Article 8	Figl, Kathrin, Derntl, M., Rodriguez, M. C., & Botturi, L. (2010). Cognitive Effectiveness of Visual Instructional Design Languages. **Journal of Visual Languages & Computing**, 21(6), 359-373.
Extended Abstract 1	Figl, Kathrin (2017). **Why are Process Models Hard to Understand? (Invited Keynote)** Lecture Notes in Business Information Processing. 5th International Workshop on Cognitive Aspects of Information Systems Engineering – COGNISE'17 in Conjunction with CAiSE'17. Essen, Germany.
Extended Abstract 2	Figl, Kathrin, & Recker, J. (2016). **Process innovation as creative problem-solving: An experimental study of textual descriptions and diagrams [Extended Abstract]**. International Workshop on Enterprise Modeling and Information Systems Architectures (EMISA), Vienna, Austria.
Extended Abstract 3	Figl, Kathrin, & Laue, R. (2016). **Kognitive Belastung als lokales Komplexitätsmaß in Geschäftsprozessmodellen**. Software Engineering, Gesellschaft für Informatik (GI), Lecture Notes in Informatics (LNI), Vienna, Austria.
Paper 9	Dangarska, Z., Figl, Kathrin, Mendling, J. (2016). **An Explorative Analysis of the Notational Characteristics of the Decision Model and Notation (DMN).** IEEE 2nd International Workshop on Compliance, Evolution and Security in Intra- and Cross-Organizational Processes, Vienna, Austria.
Paper 10	Koschmider, A., Figl, Kathrin, Schoknecht, A. (2015). **A Comprehensive Overview of Visual Design of Process Element Labels**. Business Process Management Workshops. Lecture Notes in Business Information Processing. Innsbruck, Austria.
Paper 11	Figl, Kathrin, Strembeck, M. (2015). **Findings from an Experiment on Flow Direction of Business Process Models**. International Workshop on Enterprise Modeling and Information Systems Architectures (EMISA). Lecture Notes in Informatics (LNI), Innsbruck, Austria.
Paper 12	Figl, Kathrin, Strembeck, M. (2014). **On the Importance of Flow Direction in Business Process Models**. 9th International Conference on Software Engineering and Applications, Vienna, Austria: Scitepress.
Paper 13	Figl, Kathrin (2012). **Symbol Choice and Memory of Visual Models.** IEEE Symposium on Visual Languages and Human-Centric Computing (VL-HCC), Innsbruck, Austria. IEEE Computer Society, 97-100.
Paper 14	Figl, Kathrin, Weber, B. (2011). **Creative Personality and Business Process Redesign.** 4th International Workshop on Enterprise Modeling and Information Systems Architectures (EMISA), Hamburg, Germany, Lecture Notes in Informatics 190 GI, 189-194.
Paper 15	Figl, Kathrin, Mendling, J. & Strembeck, M. (2009). **Towards a Usability Assessment of Process Modeling Languages.** 8. GI-Workshop EPK 2009: Geschäftsprozessmanagement mit Ereignisgesteuerten Prozessketten. CEUR-WS: Berlin.