



FORSCHUNGSINTERESSEN

Visual Analytics (Visuelle Datenanalyse), Information Visualization (Informationsvisualisierung), Human-Computer Interaction, Ordination Methods, Graph Layout, Cluster Analysis

BERUFSERFAHRUNG

Seit 2001	Know-Center GmbH
2011 – heute	Leitung des Forschungsteams „Knowledge Visualization“
2010 – 2011	Stellvertretender Bereichsleiter „Knowledge Relationship Discovery“
2006 – 2010	Projektleiter und Senior Researcher/ Entwickler
2001 – 2006	Researcher/ Entwickler
2012 – heute	Technische Universität Graz: Projektassistent und Dozent

AUSBILDUNG

2006 – 2012	Doktoratsstudium der Informatik an der Technischen Universität Graz; Abschluss: Dr.techn.
1993 – 2001	Studium der Telematik an der Technischen Universität Graz; Abschluss: Dipl.-Ing.

AUSZEICHNUNG

2012	Rigorosum mit Auszeichnung abgeschlossen
2001	Auszeichnung für die beste Master Arbeit am Institut für Informationssysteme und Computer Medien (ICM)

PROJEKTE

2013 – 2016	EEXCESS – „Enhancing Europe’s eXchange in Cultural Educational and Scientific resources“ (FP7 EU-gefördertes internationales Forschungsprojekt)
2012 – 2014	Commercially Empowered Linked Open Data Ecosystems in Research (FP7 EU-gefördertes internationales Forschungsprojekt), Projektleitung am Know-Center

AUSGEWÄHLTE PUBLIKATIONEN

1. Seifert, C., Sabol, V., Kienreich, W., Lex, E., Granitzer, M. (2014) Visual Analysis and Knowledge Discovery for Text, book chapter to appear in Large-Scale Data Analytics, Aris Gkoulalas-Divanis Abderrahim Labbi (eds., IBM Research), Springer.
2. Bertschi, S., Bresciani, S., Crawford, T., Goebel, R., Kienreich, W., Lindner, M., Sabol, V., Vande Moere, A. (2013) What Is Knowledge Visualization? Eight Reflections on an Evolving Discipline, book chapter in Knowledge Visualization Currents: from Text to Art to Culture, 2013, Springer, Editors: Francis T. Marchese, bad Banissi, pp. 13-32.
3. Rauch, M., Kienreich, W., Aquila, G., Sabol, V. (2013) A Visual Approach to Project and Portfolio Management, in Proceedings of the 17th International Conference on Information Visualisation (IV2013), London, UK
4. Sabol, V., Kow, W. O., Rauch, M., Ulbrich E., Seifert C., Granitzer, M. Lukose, D. (2012) Visual Ontology Alignment System - an Evaluation, in proceedings of SIGRAD 2012, Interactive Visual Analysis of Data, pages 9-18, Vaxjö, Sweden

5. Syed, K.A.A., Kroell, M., Sabol, V., Scharl, A., Gindl, S., Granitzer, M., Weichselbraun, A. (2012) Dynamic Topography Information Landscapes – An Incremental Approach to Visual Knowledge Discovery, in Proceedings of the 14th international conference on Data Warehousing and Knowledge Discovery (DaWaK 2012), pages 352-363, Wien, Austria
6. Kienreich, W., Wozelka, R., Sabol, V., Seifert, C. (2012) Graph Visualization Using Hierarchical Edge Routing and Bundling, in Proceedings of the 3rd international Eurovis workshop on visual analytics (EuroVA 2012), pages 97-101, Vienna, Austria
7. Syed, K.A.A., Kröll, M., Sabol, V., Gindl, S., Scharl, A. (2012) Incremental and Scalable Computation of Dynamic Topography Information Landscapes, Journal of Multimedia Processing and Technologies Vol. 3(1), Special Issue on the Theory and Application of Visual Analytics, pages 49-65
8. Granitzer, M., Sabol, V., Onn, K.W., Lukose, D. and Tochtermann, K. (2010) Ontology Alignment - A Survey with Focus on Visually Supported Semi-Automatic Techniques, Future Internet, 2 (3), MDPI AG.
9. Seifert, C., Sabol, V., Kienreich, W. (2010) Stress Maps: Analysing Local Phenomena in Dimensionality Reduction Based Visualizations, in Proceedings of European Symposium Visual Analytics Science and Technology (EuroVAST 2010), Bordeaux, France
10. Sabol, V., Kienreich, W., Muhr, M., Klieber, W., Granitzer, M. (2009) Visual Knowledge Discovery in Dynamic Enterprise Text Repositories, in Proceedings of the 13th International Conference on Information Visualisation (IV09), IEEE Computer Society, pages 361 – 368.



RESEARCH INTERESTS

Visual Analytics, Information Visualization, Human-Computer Interaction, Ordination Methods, Graph Layout, Cluster Analysis

JOB EXPERIENCES

since 2001	Know-Center GmbH
2011 – present	Head of Knowledge Visualization
2010 – 2011	Deputy Area Manager Knowledge Relationship Discovery
2006 – 2010	Project Leader and senior researcher/ developer
2001 – 2006	Researcher/ developer
2012 – present	Graz University of Technology: project assistant and lecturer

EDUCATION

2006 – 2012	Doctoral studies in Computer Sciences completed at the Graz University of Technology, receiving the degree Dr.techn.
1993 – 2001	Study of “Telematics” at the Graz University of Technology, receiving the degree of Dipl.-Ing. (equivalent to Master of Science)

AWARDS

2012	Rigorosum (defence of the Doctoral Theses) completed with honours
2001	Prize for the best Master’s Thesis at the Institute for Information Systems and Computer Media (IICM)

PROJECTS

2013 – 2016	EEXCESS – «Enhancing Europe’s eXchange in Cultural Educational and Scientific resources» (FP7 EU-funded international research project)
2012 – 2014	Commercially Empowered Linked Open Data Ecosystems in Research (FP7 EU-funded international research project), project lead at the Know-Center

SELECTED PUBLICATIONS

1. Seifert, C., Sabol, V., Kienreich, W., Lex, E., Granitzer, M. (2014) Visual Analysis and Knowledge Discovery for Text, book chapter to appear in Large-Scale Data Analytics, Aris Gkoulalas-Divanis Abderrahim Labbi (eds.,IBM Research), Springer.
2. Bertschi, S., Bresciani, S., Crawford, T., Goebel, R., Kienreich, W., Lindner, M., Sabol, V., Vande Moere, A. (2013) What Is Knowledge Visualization? Eight Reflections on an Evolving Discipline, book chapter in Knowledge Visualization Currents: from Text to Art to Culture, 2013, Springer, Editors: Francis T. Marchese, bad Banissi, pp. 13-32.
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5. Syed, K.A.A., Kroell, M., Sabol, V., Scharl, A., Gindl, S., Granitzer, M., Weichselbraun, A. (2012) Dynamic Topography Information Landscapes – An Incremental Approach to Visual Knowledge Discovery, in Proceedings of the 14th international conference on Data Warehousing and Knowledge Discovery (DaWaK 2012), pages 352-363, Wien, Austria
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7. Syed, K.A.A., Kröll, M., Sabol, V., Gindl, S., Scharl, A. (2012) Incremental and Scalable Computation of Dynamic Topography Information Landscapes, Journal of Multimedia Processing and Technologies Vol. 3(1), Special Issue on the Theory and Application of Visual Analytics, pages 49-65
8. Granitzer, M., Sabol, V., Onn, K.W., Lukose, D. and Tochtermann, K. (2010) Ontology Alignment - A Survey with Focus on Visually Supported Semi-Automatic Techniques, Future Internet, 2 (3), MDPI AG.
9. Seifert, C., Sabol, V., Kienreich, W. (2010) Stress Maps: Analysing Local Phenomena in Dimensionality Reduction Based Visualizations, in Proceedings of European Symposium Visual Analytics Science and Technology (EuroVAST 2010), Bordeaux, France
10. Sabol, V., Kienreich, W., Muhr, M., Klieber, W., Granitzer, M. (2009) Visual Knowledge Discovery in Dynamic Enterprise Text Repositories, in Proceedings of the 13th International Conference on Information Visualisation (IV09), IEEE Computer Society, pages 361 – 368.