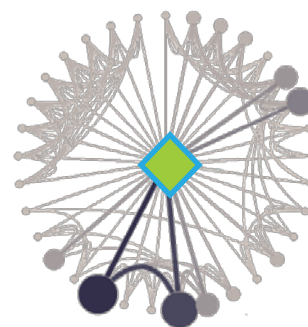


Second Annual VIVO Conference

August 24-26, 2011

Gaylord National, Washington D.C.



Invited Speakers

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Melissa Haendel

Assistant Professor

Oregon Health and Science University



Melissa Haendel is an assistant professor in the Library and the Department of Medical Informatics and Epidemiology at Oregon Health & Science University. She obtained her Ph.D. in Neuroscience from the University of Wisconsin, where she investigated cytoskeletal mechanisms of neuron development and identification of novel genes in the mouse nervous system using gene trapping techniques.

Dr. Haendel's postdoctoral research was in cellular and molecular neural development in zebrafish. As an ontologist and curator for ZFIN, the zebrafish model organism database, she developed an interest in bioinformatics. This combined nicely with her background in a diversity of model organisms, as she began to focus on developing anatomy ontologies and community standards to enable cross-species query of human diseases and model organism phenotypes. Dr. Haendel is currently the lead ontologist for the eagle-i Consortium, an NCRR funded pilot project to index research resources and build a prototype ontology-driven system for querying research resources.

Dr. Haendel's group has been collaborating with the VIVO project to enable semantic interoperability between eagle-i research resources and VIVO persons, facilitating the identification of collaborators and expertise. In addition, Dr. Haendel is a coordinating member of the Open Biomedical Ontology consortium, where she contributes to development of ontologies and leads outreach efforts to promote best practices in ontology development.

Paul Groth

Assistant Professor

VU University of Amsterdam



Paul Groth is an assistant professor in the Knowledge Representation and Reasoning Group at the VU University of Amsterdam. He holds a Ph.D. in Computer Science from the University of Southampton (2007) and has done research at the University of Southern California and the Florida Institute for Human and Machine Cognition. His research focuses on mechanisms for enabling multi-institutional systems especially in the area of science. This includes research in data provenance, scientific workflow and knowledge sharing with over 50 publications in these areas (H-index 18). He has served on the program committee of major international conferences including the World Wide Web Conference, the International Joint Conference on Artificial Intelligence, and the International Conference on Intelligent User Interfaces. Dr. Groth is co-chair of the W3C Provenance Working Group developing a standard for the interchange of provenance information. He currently works on the Semantically Mapping Science project developing new approaches for analyzing scientific fields based on Web activity. Additionally, he is a key contributor to OpenPhacts - a project to develop a provenance-enabled semantically rich platform for pharmacological information. You can find his blog at <http://thinklinks.wordpress.com>

Key Publications:

Paul Groth, Andrew Gibson, Jan Velterop (2010) The anatomy of a nanopublication, 51-56. In Information Services & Use.

Paul Groth, Simon Miles, Luc Moreau (2009) A Model of Process Documentation to Determine Provenance in Mash-ups. In Transactions on Internet Technology (TOIT) 9 (1).

Paul Groth, Thomas Gurney (2010) Studying Scientific Discourse on the Web using Bibliometrics: A Chemistry Blogging Case Study, In Press. In WebSci10: Extending the Frontiers of Society On-Line.

Shenghui Wang, Paul Groth (2010) Measuring the dynamic bi-directional influence between content and social networks. In The 9th International Semantic Web Conference (ISWC 2010).

Yolanda Gil, Varun Ratnakar, Jihie Kim, Pedro Antonio Gonzalez-Calero, Paul Groth, Joshua Moody, Ewa Deelman (2010) Wings: Intelligent Workflow-Based Design of Computational Experiments. In IEEE Intelligent Systems.

Johannes Keizer

Team Leader “Knowledge Standards and Services”

FAO of the United Nations



Johannes Keizer is currently leading the “AIMS team” (<http://aims.fao.org>) at FAO. Goal of the AIMS team is to be a global reference point for standards and services in agricultural knowledge and information management. Mr. Keizer joined FAO in 2000 and took over the responsibility for the FAO Documentation team and the international AGRIS network. Before joining FAO he was first working as a research fellow on metabolism of organophosphorous pesticides with the Italian NIH and then as a freelance consultant in information management of scientific data. Johannes Keizer has a master degree in biochemistry from Hannover University and a PhD in Biology from the University of Mainz.



Simon Porter

Information Manager (Research)
Strategic Analyst – Reporting and Research Innovation
University of Melbourne



Simon Porter has worked for the University of Melbourne for the past 10 years. Over this time he has gained significant experience on the structure of the university's administrative information by working on consecutive Student, Finance, HR, and Research Systems implementations. In 2007, Simon designed and helped implement the university's 'Find an Expert' system, a researcher profiling system based on existing administration information sources. Currently, he is working on an internally-focused metrics-based staff profiling system, as well as the creation of the University's research data registry. Simon views his central role in university as that of giving the University a serious addiction to a core set of data on research to be used for multiple purposes.

Wen Song

Professor
National Science Library of
Chinese Academy of Sciences



Wen Song graduated from the Department of Library and Information Science at Peking University. Ms. Song has been a professional librarian in the Library of Chinese Academy of Sciences(LCAS) for nearly 30 years. Her research focuses upon classification, knowledge organization system(KOS) construction, and cataloguing. She established a serials union catalogue covering more than 500 libraries' holdings in China and led and implemented online cooperative cataloguing in the library federation of Chinese Academy of Sciences(CAS). Over the last 10 years, she has completed research on a knowledge organization system and its application and developed an ontology-driven subject knowledge environment based on the Vitro system. She is currently charged with development of the knowledge organization system of Chinese Science Digital Library(CSDL), a key member of the Scientific and Technological Knowledge Organization System Project which is funded by a support plan of the Ministry of Science and Technology of the PRC. She serves as the vice-director of the Sub-Committee of Information Organization, Academic Committee of the Library Society of China.

Katy Börner

Professor, Director, Curator
Indiana University



KATY BÖRNER is the Victor H. Yngve Professor of Information Science at the School of Library and Information Science, Adjunct Professor in the School of Informatics and Computing, Adjunct Professor at the Department of Statistics in the College of Arts and Sciences, Core Faculty of Cognitive Science, Research Affiliate of the Biocomplexity Institute, Fellow of the Center for Research on Learning and Technology, Member of the Advanced Visualization Laboratory, and Founding Director of the Cyberinfrastructure for Network Science Center at Indiana University. She is a curator of the Places & Spaces: Mapping Science exhibit, <http://scimaps.org>.

Her research focuses on the development of data analysis and visualization techniques for information access, understanding, and management. She is particularly interested in the study of the structure and evolution of scientific disciplines; the analysis and visualization of online activity; and the development of cyberinfrastructures for large scale scientific collaboration and computation.

She is the co-editor of the Springer book on 'Visual Interfaces to Digital Libraries' and of a special issue of PNAS 101 (Suppl. 1) on 'Mapping Knowledge Domains' published in April 2004. She also co-edited a special issue on 'Collaborative Information Visualization Environments' in *PRESENCE: Teleoperators and Virtual Environments*, MIT Press (Feb. 2005), 'Information Visualization Interfaces for Retrieval and Analysis' in the *Journal of Digital Libraries* (March 2005), and 'Mapping Humanity's Knowledge' in *Environment and Planning B* (Sept 2007). Her new book 'Atlas of Science: Guiding the Navigation and Management of Scholarly Knowledge' published by MIT Press will become available in 2010. She and her colleagues at the Cyberinfrastructure for Network Science Center serve the:

- Scholarly Database of 23 million scholarly records, <http://sdb.slis.indiana.edu>
- Information Visualization Cyberinfrastructure, <http://iv.slis.indiana.edu>
- Network Workbench Tool and Community Wiki, <http://nwb.slis.indiana.edu>
- Science of Science Cyberinfrastructure Portal, <http://sci.slis.indiana.edu>
- Epidemics Marketplace, <http://epic.slis.indiana.edu>

She is the recipient of many fellowships and awards, including Outstanding Junior Faculty Award, Pervasive Technology Laboratories Fellowship, SBC Fellow, NSF CAREER Award, and Trustees Teaching Award. She is currently PI or Co-PI in numerous funded research projects. For more information on her research agenda, teaching and other activities, visit: <http://ella.slis.indiana.edu/~katy> and <http://cns.slis.indiana.edu>.

Titus Schleyer

Associate Professor and Director
Center for Dental Informatics
University of Pittsburgh



Titus Schleyer, DMD, PhD, is currently Associate Professor and Director of the Center for Dental Informatics (<http://di.dental.pitt.edu>) at the University of Pittsburgh. He holds DMD degrees from the University of Frankfurt, Germany, and Temple University, Philadelphia, as well as a PhD degree in molecular biology from the University of Frankfurt and an MBA degree in Health Administration from Temple University.

Dr. Schleyer is the lead investigator of the University of Pittsburgh's Digital Vita project, one of the first academic research networking systems in the US. He also has been active in biomedical informatics research since 1989, conducting seminal research on electronic dental records, and Internet applications, workflow and human-computer interaction in dentistry.

Since 1997, Dr. Schleyer has been a recipient of a training grant for dental informatics from the National Institute of Dental and Craniofacial Research. Dr. Schleyer's research on dental computer applications is primarily funded by the National Institutes of Health. He publishes regularly on dental informatics topics in major journals, such as the Journal of the American Dental Association and the Journal of the American Medical Informatics Association.

In 2009, Dr. Schleyer was elected to the American College of Medical Informatics. More information about Dr. Schleyer is available at <http://about.me/titusschleyer>.

Brian Lowe

VIVO Semantic Technologies
Development Team Lead
Cornell University Library



Brian Lowe is the VIVO semantic technologies development team lead on the VIVO project. Brian is currently located at the Mann Library at Cornell University in Ithaca, NY.

Select publications:

- Brian Lowe. [DataStar: Bridging XML and OWL in Science Metadata Management](#). In proceedings, Metadata and Semantic Research Third International Conference, MTSR 2009, Milan, Italy, October 1-2, 2009. DOI 10.1007/978-3-642-04590-5_13.
- Brian Lowe, Brian Caruso, and Jonathan Corson-Rikert. [VIVO Development Roadmap: Enhancing an Ontology-Based University Research Portal with OWL and Rules](#). Proceedings of the OWLED 2007 Workshop on OWL: Experiences and Directions, Innsbruck, Austria, June 6-7, 2007
- Brian Caruso, Brian J. Lowe, Jon Corson-Rikert, and Medha Devare. [VIVO: Case Study of an Ontology-Based Web Site](#). In Technical Report FS-06-06, Semantic Web for Collaborative Knowledge Acquisition: papers from the AAI Fall Symposium, 106-107, AAAI Press, 2006.
- B. Lust, S. Flynn, M. Blume, J. Corson-Rikert, B. Lowe. "Searching Interoperability Between Linguistic Coding and Ontologies for Language Description", Proceedings of the E-MELD (Electronic Metastructure for Endangered Languages Metadata) 2005 Workshop on Digital Language Documentation, Cambridge, MA, July 1-3, 2005. [HTML Microsoft Word abstract](#)