

Jahresbericht 2009

Fachgebiet Business Process Technology

Hasso Plattner Institut an der Universität Potsdam



Personal

- Professor Dr. Mathias Weske
- Katrin Heinrich
- Dr. Gero Decker
- Sergey Smirnov
- Alexander Großkopf
- Matthias Weidlich
- Matthias Kunze
- Artem Polyvyanyy
- Hagen Overdick
- Emilian Pascalau
- Andreas Meyer
- Ahmed Awad
- Adela del Rio Ortega (Gastaufenthalt)

Lehre

- Prozessorientierte Informationssysteme 2 (WS 2009/2010)
 - Prof. Dr. rer. nat. habil. Mathias Weske
 - Matthias Kunze, Matthias Weidlich
 - (Vorlesung im Bachelorstudiengang, 4 SWS)
- Business Process Management (WS 2009/2010)
 - Prof. Dr. rer. nat. habil. Mathias Weske
 - Matthias Weidlich, Matthias Kunze
 - (Vorlesung im Masterstudiengang, 2 SWS)
- Prozessorientierte Informationssysteme 1 (SS 2009)
 - Prof. Dr. rer. nat. habil. Mathias Weske, Dr. Gero Decker
 - Matthias Weidlich
 - (Vorlesung im Bachelorstudiengang, 4 SWS)
- Prozessmodellierungsplattform (WS 2009/2010)
 - Prof. Dr. rer. nat. habil. Mathias Weske
 - Matthias Kunze, Artem Polyvyanyy
 - (Projekt im Bachelorstudiengang, 4 SWS)
- Business Processes in the Real World (WS 2009/2010)
 - Prof. Dr. rer. nat. habil. Mathias Weske
 - Emilian Pascalau, Sergey Smirnov
 - (Seminar im Masterstudiengang, 4 SWS)

Betreuung von Abschlussarbeiten

- Bachelorarbeiten
 - Christian Wiggert - BPMN-Community: Konzept & Implementierung der Kommunikation
 - Emilia Wittmers - BPMN-Community: Anwendung der Wiki-Prinzipien
 - Markus Guentert - BPMN-Community: Konzeptionelle und technische Realisierung von Anforderungen
 - Stefan Wehrmeyer - BPMN-Community: Architektur und Erweiterungsmöglichkeiten
 - Tobias Rawald - BPMN-Community: Benutzerverwaltung und Identitätsmanagement
 - Mark Oelze - BPMN-Community: Zentrale Aggregation und Aufbereitung von Informationen
 - Jan-Felix Schwarz - BPMN-Community: Frontend-Technologien und die Model Viewer API

- Masterarbeiten
 - Menge: Genierung von Benutzeroberflächen für Servicekompositionen
 - Meyer: Ressourcen-Perspektive in BPMN - Eine Erweiterung zu BPMN zur Unterstützung von Ressourcen Management und Planung
 - Nicolai: Suitability of Enterprise Collaboration Software for Advanced Change Management Processes
 - Schäufele: Bedingte Neuauswertung laufender Geschäftsprozesse
 - Kunze: Business Process Mashups
- Dissertation
 - Dr. Gero Decker, University of Potsdam
- Weitere Begutachtungen von Abschlussarbeiten
 - Habilitationen
 - Dr. rer. nat. habil Stephanie Rinderle-Ma (2009), University of Ulm
 - Dr. rer. nat. habil Barbara Weber (2009), University of Innsbruck
 - Dissertationen
 - Dr. Helge Hofmeister, University of Bamberg
 - Dr. Christian Günther, Technical University Eindhoven
 - Marcello la Rosa, PhD, Queensland University of Technology

Dissertationsprojekte

- Sergey Smirnov: Analysis of Model Element Relations for Business Process Model Abstraction
 - Business process analysis requires multiple perspectives of one business process, varying in the level of details. As companies often possess detailed models, it is possible to abstract these models and derive high level process overviews, preserving essential process properties and leaving out insignificant process details in order to retain information relevant for a particular purpose. The research focuses on derivation of abstractions with clear business semantics, which assumes investigation of semantic relations between model elements.
- Andreas Meyer: Resource Awareness in BPMN
 - The final goal of my research will be to strengthen BPMN's awareness for human and non-human resources as task performers and allow general modeling and visualization of resource management. This includes but is not limited to inter-process-based allocations considering constraints in common processes as well as flexible ones, where the actual allocations are moved to run-time. Additionally, the

contributions regarding BPMN shall be mappable to other business process modeling languages

- Artem Polyvyanyy: Abstraction of Process Specifications
 - Software engineers constantly deal with problems of designing, analyzing, and improving process specifications, e.g., source code, service compositions, process models. In our research, we develop mechanisms to vary the level of detail, i.e., the abstraction level, of process specifications. The challenge lies in identifying what are the units of process logic suitable for abstraction and afterwards performing the abstraction. Once abstraction artifacts are identified, they can be eliminated or replaced by concepts of higher abstraction levels which conceal, but also represent, abstracted detailed process behavior. Finally, individual abstractions must be controlled in order to achieve an abstraction goal – a process specification that suits the needs of a use case.
- Ahmed Awad: A Compliance Management Framework for Business Process Models
 - This thesis provides a formal approach to support process design-time compliance checking. Using visual patterns, modeling control flow, data flow and conditional rules is possible. Each pattern is mapped into a temporal logic formula. As compliance rules are formally expressed in temporal logic, it is possible to automatically decide about consistency among rules as well as automatically checking them against process models using model checking. In case of violations, we are able to provide a useful feedback to the user. The feedback is in the form of parts of the process model whose execution causes the violation. In some cases, our approach is capable of providing automated remedy of the violation.
- Matthias Weidlich: Concepts and Methods for the Alignment of Process Models
 - The variety of drivers for process modeling initiatives, from organizational reengineering to process automation, results in multiple models for a common business process. These models differ with respect to the level of abstraction as well as the assumed modeling perspective. Therefore, an alignment of thesis models in order to detect inconsistencies or analyze the impact of changes imposes serious challenges. This dissertation aims at providing the formally grounded concepts and methods for establishing an alignment and leveraging it for consistency analysis and change propagation.
- Alexander Großkopf: Tools and Methods for Business Process Modeling
 - The work investigates tools and methods used in Business Process Modeling. A new approach, Tangible Business Process Modeling (TBPM), was developed. It consists of

hardware and a methodology for application. The hardware was developed in collaboration with researchers from the Stanford Center for Design Research. Case studies and laboratory experiments were conducted. The next steps are field experiments and software to integrate the hardware with existing process modeling tools

- Hagen Overdick: Distributed Resource Enactment
 - Replicating authoritative web intermediaries are motivated for a wide range of scenarios. A proposal for their architecture is outlined and contrasted to related work. Concepts and principals from business process management are analyzed for their suitability for describing resource behavior and adopted to the architecture. Then we reflect on experimental application design based the first two parts.
- Emilian Pascalau: Web Systems Design with Process-based Self Adaptive Behavior
 - Future Internet finds itself in a continuous transformation. Transformation that brings together services, service aggregation, knowledge representation, semantic relationships between concepts, reasoning techniques, processes, a paradigm shift in how people perceive, interact and use the Web. All these are the mold from which a new generation of intelligent applications must be build and more over constantly improved based on how users interact with the systems. This research addresses these problems in the context of mashups that run in the browser and involves defining a process based architecture capable of learning and adapting itself based on users behavior.
- Matthias Kunze: Data Structures and Algorithms for Efficient Search in Process Repositories
 - While process model repositories have gained increasing attention recently, support for efficient search towards similarity, querying, or compliance checking, on several dimensions, i.e., structure, behavior, and resources/artifacts, has been largely neglected. Solutions may be derived from the field of information retrieval, which offers valuable insights, such as K-Nearest-Neighbor search, based on optimized data structures, e.g., indexes, and algorithms.
- Gero Decker: Design and Analysis of Process Choreographies
 - Choreographien ermöglichen es, Interaktionsverhalten zwischen Organisationen genau zu spezifizieren. Die Dissertation adressiert die Frage „Was ist eine geeignete Modellierungssprache für Choreographien?“ Die Arbeit untersucht dabei existierende Modellierungssprachen und führt neue Sprachen ein. Darüber hinaus beschäftigt sich die Arbeit mit Verifikationsmechanismen für Choreographien.

Insbesondere die Frage nach der Realisierbarkeit von Interaktionsmodellen spielt eine große Rolle.

Weitere Forschungsprojekte

Design Thinking: TBPM: Tangible Business Process Modeling- Using Design Thinking principles for IT Method Engineering (HPDTRP)

Business process models are the central artifacts to share and communicate knowledge about working procedures in organizations. Humans use these models to discuss and agree on how things should be done and to decide on the process optimization potentials that can be realized. At present, processes are primarily modeled by business analysts, i.e., not by domain experts that actually run the processes in their daily professional work. Since domain experts are not process modeling experts, current process methodologies tend to leave the key persons behind. We use design thinking methods to strengthen the role of domain experts in communication with business analysts during business process modeling. We bring together the human need for tangibility, the business knowledge of the domain experts, and technological aspects of system analysis in the context of business process modeling.

Projektbegleitung Verteilte und Kooperative Modellierung von Geschäftsprozessen (Projektpartner: AOK Berlin-Brandenburg)

Die Einführung einer organisationsübergreifenden Prozessplattform stellt die AOK vor große, neuartige Herausforderungen. Um die Plattform effektiv nutzen zu können, sind gemeinsam mit der AOK neuartige Modellierungs-Richtlinien zu erarbeiten und in den Organisationen zu verankern. Dabei wird beispielsweise untersucht, welche Prozesse zuerst zu behandeln sind, welcher Detailgrad günstig ist und welche Phasen bei der Modellierung, Kommentierung und Validierung der Prozessmodelle zu unterscheiden sind.

Publikationen

- Alexander Grosskopf, Gero Decker, Mathias Weske. The Process: Business Process Modeling using BPMN. Meghan Kiffer Press 2009.
- Artem Polyvyanyy and Mathias Weske. Flexible Service Systems. In: The Science of Service Systems, Springer, 2010
- Gero Decker and Mathias Weske. Toward Collaborative Business Process Modeling . Cutter IT Journal, October 2009
- Gero Decker and Mathias Weske. Prozessmodellierung 2.0. ERP-Management 2, pp. 21-24, 2009

- Gero Decker, Oliver Kopp, Frank Leymann and Mathias Weske. Interacting Services: From Specification to Execution. *Data & Knowledge Engineering* 68(10), pp. 946-972, 2009
- Gero Decker and Jan Mendling. Process Instantiation. *Data & Knowledge Engineering* 68(9), pp. 777-792, 2009
- Philip Effinger and Gero Decker. Layout techniques coupled with Web2.0-based Business Process Modeling. *Proceedings of the 17th International Symposium on Graph Drawing, Chicago, USA, September 2009.*
- Matthias Kunze, Alexander Grosskopf, Hagen Overdick, and Matthias Weidlich. Lightweight Collaboration Management. *Proceedings of the 3rd International Workshop on Web APIs and Services Mashups (Mashups'09), Companion to the 24th Annual ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA), Orlando, USA, October 2009. ACM*
- Nicolas Peters and Matthias Weidlich. Using Glossaries to Enhance the Label Quality in Business Process Models. *Proceedings of the 8th GI-Workshop Geschäftsprozessmanagement mit Ereignisgesteuerten Prozessketten (EPK), Berlin, Germany, November 2009. CEUR volume 554.*
- Dirk Fahland, Jan Mendling, Hajo Reijers, Barbara Weber, Matthias Weidlich, and Stefan Zugal. Declarative vs. Imperative Process Modeling Languages: The Issue of Maintainability. *Proceedings of the 1st International Workshop on Empirical Research in Business Process Management (ER-BPM'09), Ulm, Germany, September 2009. LNBIP, pp. 65-76, Springer*
- Matthias Weidlich, Alexander Grosskopf, and Alistair Barros. Realising Dead Path Elimination in BPMN. *Proceedings of the 1st International Workshop on BPMN, Co-located with the 11th IEEE Conference on Commerce and Enterprise Computing (CEC'09), Vienna, Austria, July 2009. IEEE Computer Society*
- Matthias Weidlich, Alistair Barros, Jan Mendling, and Mathias Weske. Vertical Alignment of Process Models - How can we get there? *CAiSE 2009 Workshop Proceedings, 10th Workshop on Business Process Modeling, Development, and Support (BPMDS'09), Amsterdam, The Netherlands, June 2009. LNBIP 29, pp. 71-84, Springer*
- Dirk Fahland, Daniel Lübke, Jan Mendling, Hajo Reijers, Barbara Weber, Matthias Weidlich, and Stefan Zugal. Declarative versus Imperative Process Modeling Languages: The Issue of Understandability. *Proceedings of the 14th International Conference on Exploring Modeling Methods in Systems Analysis and Design (EMMSAD'09), Amsterdam, The Netherlands, June 2009. LNBIP 29, pp. 353-366, Springer*

- Matthias Weidlich, Alexander Grosskopf, Daniel Lübke, Kurt Schneider, Eric Knauss, and Leif Singer. Verzahnung von Requirements Engineering und Geschäftsprozessdesign. REBPM Workshop, Software Engineering 2009, Kaiserslautern, Germany, February 2009.
- Gero Decker, Remco Dijkman, Marlon Dumas and Luciano Garcia-Banuelos. The Business Process Modeling Notation. Modern Business Process Automation: YAWL and its Support Environment, 2009. Springer
- Artem Polyvyanyy, Sergey Smirnov, and Mathias Weske. Business Process Model Abstraction. In: International Handbook on Business Process Management, Springer, 2009
- Artem Polyvyanyy, Luciano García-Bañuelos, and Mathias Weske. Unveiling Hidden Unstructured Regions in Process Models. Proceedings of the 17th International Conference on Cooperative Information Systems (CoopIS), Vilamoura, Algarve, Portugal, November 2009
- Sergey Smirnov, Matthias Weidlich, Jan Mendling, and Mathias Weske. Action Patterns in Business Process Models. Proceedings of the 7th International Joint Conference on Service Oriented Computing, Stockholm, Sweden, November 2009. Springer.
- Matthias Weidlich, Mathias Weske, Jan Mendling. Change Propagation in Process Models using Behavioural Profiles. Proceedings of the 6th IEEE International Conference on Services Computing (SCC'09), Bangalore, India, 21-25 September 2009. IEEE Computer Society.
- Matthias Weidlich, Alistair Barros, Jan Mendling, and Mathias Weske. Vertical Alignment of Process Models - How can we get there? CAiSE 2009 Workshop Proceedings, 10th Workshop on Business Process Modeling, Development, and Support (BPMDS'09), Amsterdam, The Netherlands, June 2009. LNBIP 29, pp. 71-84, Springer.
- Jonathan Edelman, Alexander Grosskopf, Mathias Weske. Tangible Business Process Modeling: A New Approach. Proceedings of the 17th International Conference on Engineering Design (ICED), Stanford University, CA, USA, August 2009.
- Artem Polyvyanyy, Sergey Smirnov, and Mathias Weske. The Triconnected Abstraction of Process Models. Proceedings of the 7th International Conference on Business Process Management (BPM). Ulm, Germany, September 2009.
- Alexander Grosskopf, Jonathan Edelman, Mathias Weske. Tangible Business Process Modeling - Methodology and Experiment Design. Proceedings of the 1st International Workshop on Empirical Research in Business Process Management (ER-BPM '09), Ulm, Germany, September 2009.
- Alexander Grosskopf, Jan Brunnert, Stefan Wehrmeyer, Mathias Weske. BPMNCommunity.org: A Forum for Process Modeling Practitioners - A Data Repository for Empirical BPM Research. Proceedings of the 1st International Workshop on Empirical Research in Business Process Management (ER-BPM '09), Ulm, Germany, September 2009.

- Ahmed Awad, Matthias Weidlich, and Mathias Weske: Specification, Verification and Explanation of Violation for Data Aware Compliance Rules. In proceedings of 7th International Conference on Service Oriented Computing (ICSOC-Service Wave'09), volume 5900 of Lecture Notes in Computer Science, pages 500-515. Springer, 2009.
- Ahmed Awad, Sergey Smirnov, and Mathias Weske. Resolution of compliance violation in business process models: A planning-based approach. In Robert Meersman, Tharam S. Dillon, and Pilar Herrero, editors, OTM Conferences (1), volume 5870 of Lecture Notes in Computer Science, pages 6-23. Springer, 2009.
- Ahmed Awad and Mathias Weske: Visualization of Compliance Violation in Business Process Models. in 5th International Workshop on Business Process Intelligence BPI'09
- Ahmed Awad, Sergey Smirnov, and Mathias Weske: Towards Resolving Compliance Violations in Business Process Models. In 2nd International Workshop on Governance Risk and Compliance in Information Systems GRCIS'09
- Artem Polyvyanyy, Sergey Smirnov, and Mathias Weske. On Application of Structural Decomposition for Process Model Abstraction. Proceedings of the 2nd International Conference on Business Process and Services Computing, Leipzig, Germany, March 2009.
- Emilian Pascalau and Adrian Giurca. A Rule-Based Approach of Creating and Executing Mashups . In Proceedings of 9th IFIP Conference on e-Business, e-Services, and e-Society, (I3E 2009). C. Godart et al.
- (Eds.): I3E 2009, IFIP AICT 305, pp. 82-95, 23-25 September, 2009, Nancy, France. Emilian Pascalau. Built-ins for JSON Rules. In Proceedings of 3rd East European Workshop on Rule-Based Applications, RuleApps 2009, A. Giurca, G. J. Nalepa and G. Wagner (Eds.), September 21, 2009, Cottbus, Germany, CEUR Workshop Proceedings, vol. 511.
- Emilian Pascalau and Adrian Giurca. A Lightweight Architecture of an ECA Rule Engine for Web Browsers. In Proceedings of 5th Knowledge Engineering and Software Engineering, KESE 2009, collocated with KI 2009, G. J. Nalepa and J. Baumeister (Eds.), September 15, 2009, Paderborn, Germany, CEUR Workshop Proceedings, vol. 486.
- Emilian Pascalau and Adrian Giurca. JSON Rules - The JavaScript Rule Engine (demo paper). In Proceedings of 5th Knowledge Engineering and Software Engineering, KESE 2009, collocated with KI 2009, G. J. Nalepa and J. Baumeister (Eds.), September 15, 2009, Paderborn, Germany, CEUR Workshop Proceedings, vol. 486.
- Emilian Pascalau and Adrian Giurca. Towards enabling SaaS for Business Rules. In Proceedings of The International Workshop on Intelligent Service Management (ISM2009), collocated with Sabre 2009, volume P147, pages 207-219, LNI Series, Gesellschaft fur Informatik, March 23-24, 2009, Leipzig, Germany

- Emilian Pascalau, Adrian Giurca and Gerd Wagner. Validating Auction Business Processes using Agent-based Simulations. In Proceedings of 2nd International Conference on Business Process and Services Computing (BPSC2009), volume P147, pages 95-109, LNI Series, Gesellschaft für Informatik March 23-24, 2009, Leipzig, Germany.
- Matthias Kunze and Mathias Weske. Entwurf domänenspezifischer Modelle im Web mit Oryx. In S. Fischer, E. Maehle, and R. Reischuk, editors, Proceedings of Informatik 2009 - Im Focus das Leben, Bonn, 2009. Gesellschaft für Informatik.
- Ralf Laue and Ahmed Awad: Visualization of Business Process Modeling Anti Patterns. In 1st International Workshop on Visual Formalisms for Patterns VFfP 09
- Ahmed Awad, Gero Decker and Niels Lohmann: Diagnosing and Repairing Data Anomalies in Process Models. In 5th International Workshop on Business Process Design BPD 09

Mitgliedschaft in Programmkomitees

- 1st International Workshop on Advanced Enterprise Repositories (AER 2009) 6-7 May, 2009 - Milan, Italy. In conjunction with the 11th International Conference on Enterprise Information Systems (ICEIS 2009)
- GI-Fachtagung Modellierung betrieblicher Informationssysteme (MobIS 2010), 15.-17. September 2010 Dresden
- 10th IFIP Conference on e-Business, e- Services, and e-Society, I3E 2010, that will be held in Buenos Aires, Argentina, from 3 to 5 November 2010.
- 1st International Workshop on Service Oriented Computing in Logistics (SOC-LOG'09) to be held in conjunction with the 7th International Joint Conference on Service Oriented Computing (ICSOC/ServiceWave 2009)
- International Conference on Virtualization and Cloud Computing, Singapore, 2009
- International Conference on Business Information Systems - BIS 2009, Poznan (Poland) 27-29 April 2009
- IEEE International Workshop on Semantic Web Services in Practice 2009, to be co-located with APSCC 2009.
- 22th Edition of the International Conference on Advanced Information Systems Engineering (CAiSE), to be held in Hammamet, Tunisia on June 7-11th, 2010
- IEEE International Conference on Service-Oriented Computing and Applications (SOCA'09), to be held in Taipei, Taiwan, 14-15 December 2009
- The 8th International Conference on Service Oriented Computing (ICSOC 2009) will be held jointly with ServiceWave 2009 in Stockholm (Sweden), November 17 - 20, 2009.
<http://icsoc.org/>

- 17th International Conference on Cooperative Information Systems (CoopIS 2009), Vilamoura, Algarve-Portugal, Nov 01 - 06, 2009
- The International Conference on Next Generation Web Services Practices (NWeSP'09), September 9-11, 2009, Prague, Czech Republic
- 5th International Workshop on Business Process Intelligence (BPI'09),
- 7th International Conference on Business Process Management BPM 2009
- 3rd International Workshop on Collaborative Business Processes (CBP 2009) to be held in Ulm, Germany on September 7, 2009, in conjunction with the 7th International Conference on Business Process Management (BPM 2009)
- International Workshop on Conceptual Modelling in the Large. November 9-12, 2009, Gramado, Brazil. The CoMoL workshop is co-located with ER 2009 (28th International Conference on Conceptual Modeling)
- XML4BPM'2009 workshop in conjunction with BIS'2009 in Poznan
- Workshop on Enterprise Modelling and Information Systems Architecture (EMISA'09). The workshop is jointly organized by the GI Special Interest Group on Modelling Business Information Systems (GI-SIG MoBIS) and the GI Special Interest Group on Design Methods for Information Systems (GI-SIG EMISA).
- Fourth IEEE Workshop on Agile Cooperative Process-aware Information Systems (ProGility 2009), held in conjunction with WETICE'09.
- 2nd International Conference on Business Processes and Services Computing, March 23-24, 2009, Leipzig
- I-CENTRIC 2008, International Conference on Advances in Human-oriented and Personalized Mechanisms, Technologies, and Services. October 26-31, 2008 - Sliema, Malta. International Conference on Advanced Information Systems Engineering (CAiSE'09), Amsterdam, The Netherlands, June 8-12, 2009

Gutachterliche Tätigkeiten

- Jury member - since 2007 - of the "Innovationspreis Berlin-Brandenburg", <http://www.innovationspreis-bb.de>.
- Area Editor of Information Systems: An International Journal
- Member of the Steering Committee of the Conference Series International Conference on Business Process Management. We also maintain <http://bpm-conference.org>.
- Chair of the executive committee of GI SIG EMISA (German Computer Science Society Special Interest Group on Development Methods for Information Systems and their Application)

- Member of the Editorial Board of Enterprise Modelling and Information Systems Architectures, an International Journal
- Reviews for Scientific Journals
 - ACM Computing Surveys; ACM Transactions on the Web; IEEE Internet Computing; IEEE Transaction on Software Engineering; IEEE Transactions on Services Computing; Information Systems, Elsevier; Information and Software Technology, Elsevier; Data and Knowledge Engineering, Elsevier; Distributed and Parallel Databases, Springer; Informatik Forschung und Entwicklung, Springer-Verlag; International Journal of Business Process Integration and Management, VLDB Journal

Fachvorträge

- Weske: April and May 2009: Business Process Management Primer. Several Guest Lectures in ECS-289F course on Scientific Data and Workflow Management at University of California Davis
- Weske: September 22, 2009: Design and Collaboration. Colloquium at Technical University Eindhoven, The Netherlands
- Weske: September 24, 2009: Kollaborative Modellierung von Geschäftsprozessen. ProcessLab Colloquium, Frankfurt School of Finance and Management
- Weske: November 23, 2009: Current Trends in Business Process Management. Public Lecture in Business Informatics. Technical University Vienna, Austria
- Weske: November 27, 2009: Signavio Oryx Academic Initiative (and Process Interactions in BPMN). Keynote GI-Workshop EPK 2009: Geschäftsprozessmanagement mit Ereignisgesteuerten Prozessketten. HU Berlin
- Polyvyanyy: November 5, 2009: Unveiling Hidden Unstructured Regions in Process Models. International Conference on Cooperative Information Systems. Vilamoura, Portugal
- Polyvyanyy : October 15, 2009: Abstraction of Process Specifications. HPI Research School on Service-Oriented Systems Engineering. Ph.D. Retreat. Templin, Germany
- Polyvyanyy : September 9, 2009: The Triconnected Abstraction of Process Models. Business Process Management Conference. Ulm University, Ulm, Germany
- Weidlich: 3 March, 2009: Towards precise semantics for relations between business process models. Talk at the 1st Central-European Workshop on Services and their Composition. Uni Stuttgart.
- Weidlich: 20 July, 2009: Realising Dead Path Elimination in BPMN. Talk at the 1st International Workshop on BPMN. Vienna, Austria.

- Weidlich: 26 November, 2009: Using Glossaries to Enhance the Label Quality in Business Process Models. Talk at the 8th GI-Workshop Geschäftsprozessmanagement mit Ereignisgesteuerten Prozessketten (EPK). HU Berlin.
- Pascalau. Tutorial - Building Intelligent Mashups at 32nd Annual Conference on Artificial Intelligence (KI 2009), September 15-18, 2009, Paderborn, Germany.
- Pascalau. Tutorial - Building Intelligent Mashups at Future Internet Symposium 2009 (FIS 2009), September 1-3, 2009, Berlin, Germany.
- Awad: Towards Resolving Compliance Violations in Business Process Models. In 2nd International Workshop on Governance Risk and Compliance in Information Systems
- Awad: Visualization of Compliance Violation in Business Process Models. In 5th International Workshop on Business Process Intelligence BPI 09 3.
- Awad: Resolution of compliance violation in business process models: A planning-based approach. CoopIS 2009
- Awad: Specification, Verification and Explanation of Violation for Data Aware Compliance Rules. In 7th International Conference on Service Oriented Computing ICSOC-Service Wave'09
- Großkopf: Scenario-based Elicitation & Prototyping . DTR Workshop, Feb 2009, Stanford
- Großkopf: Tangible Objects for Process Modeling. DTR Workshop, Feb 2009, Stanford
- Großkopf: Tangible Business Process Modeling (TBPM), DTR Workshop, Jun 2009, Stanford
- Großkopf: User Centered Product Design in Business Process Modeling, DTR Workshop at ICED'09, Stanford
- Großkopf: Experiment TBPM - Methodology and Experiment Design, ER-BPM'09, October 2009, Ulm
- Großkopf: BPMNCommunity.org: A Forum for Process Modeling Practitioners – A Data Repository for Empirical BPM Research, ER-BPM'09, October 2009, Ulm
- Großkopf: Bringing IT Systems Thinking to Design Thinking, DTR Workshop, Nov 2009, Stanford
- Großkopf: Using Design Thinking Principals for IT Method Engineering, DTR @ D.School, Dec 2009, Potsdam