



FAKULTÄT FÜR  
INFORMATIK

# Publikationsbericht 2016

# FAKULTÄT FÜR INFORMATIK

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## 1. Leitung

Prof. Dr.-Ing. Andreas Nürnberger (Dekan)

Prof. Dr.rer.nat.habil. Gunter Saake (Prodekan) (bis 30.09.2016); Prof. Dr.rer.nat.habil. Stefan Schirra (ab 01.10.2016)

Prof. Dr.-Ing. habil. Bernhard Preim (Studiendekan)

## 2. Veröffentlichungen

### ***Dissertationen***

#### **Dietrich, André; Kaiser, Jörg [GutachterIn]**

A concept for declarative information acquisition in smart environments. - Magdeburg, 2016; XII, 163 Seiten:

Illustrationen

[Literaturverzeichnis: Seite 145-163];

#### **Klemm, Paul; Preim, Bernhard [GutachterIn]**

Interactive visual analysis of population study data. - Magdeburg, 2016; X, 183 Seiten: Illustrationen, Diagramme; 21 cm

[Literaturverzeichnis: Seite 159-181];

#### **Mohammad, Siba; Saake, Gunter [GutachterIn]**

Self-tuning for cloud database clusters. - Magdeburg, 2016; xviii, 122 Seiten: Illustrationen

[Literaturverzeichnis: Seite [111]-122];

#### **Rössling, Ivo; Preim, Bernhard [GutachterIn]**

Vermessung von medizinischen Segmentierungen für die chirurgische Interventionsplanung und Dokumentation.

- Magdeburg, 2016; x, 259 Seiten: Illustrationen

[Literaturverzeichnis: Seite 225-259];

#### **Trojahn, Matthias; Ortmeier, Frank [GutachterIn]**

Sichere Multi-Faktor-Authentifizierung an Smartphones mithilfe des Tippverhaltens. - Wiesbaden: Springer, 2016; XXI, 228 Seiten: Illustrationen; 21 cm - (AutoUni-Schriftenreihe; Band 85), ISBN 978-3-658-14048-9;

[Literaturverzeichnis: Seite [205]-228];

# INSTITUT FÜR TECHNISCHE UND BETRIEBLICHE INFORMATIONSSYSTEME

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## 1. Leitung

Prof. Dr. Jana Dittmann (ab Okt. 2016)  
Prof. Dr. Klaus Turowski (bis Sept. 2016)  
Prof. Dr. Gunter Saake  
Prof. Dr. Andreas Nürnberger  
Dr. Sandro Schulze (ab Okt. 2016)  
Dipl.-Wirtsch.-Inf. Dirk Dreschel  
Dipl.-Ing. Fred Kreuzmann

## 2. Veröffentlichungen

### ***Begutachtete Zeitschriftenaufsätze***

**Al-Hajjaji, Mustafa; Thüm, Thomas; Lochau, Malte; Meinicke, Jens; Saake, Gunter**

Effective product-line testing using similarity-based product prioritization

In: Software and systems modeling. - Berlin: Springer, 2016; <http://dx.doi.org/10.1007/s10270-016-0569-2>;

**Bosse, Sascha; Splieth, Matthias; Turowski, Klaus**

Multi-objective optimization of IT service availability and costs

In: Reliability engineering & system safety. - London [u.a.]: Elsevier Science, Bd. 147.2016, S. 142-155;

[Imp.fact.: 2,410]

**Hanke, Michael; Adelhöfer, Nico; Kottke, Daniel; Iacovella, Vittorio; Sengupta, Ayan; Kaule, Falko R.; Nigbur, Roland; Waite, Alexander Q.; Baumgartner, Florian; Stadler, Jörg**

A studyforrest extension, simultaneous fMRI and eye gaze recordings during prolonged natural stimulation

In: Scientific data. - London: Nature Publ. Group; Bd. 3.2016, Art. 160092, insges. 15 S.;

**Hintsch, Johannes; Görling, Carsten; Turowski, Klaus**

A review of the literature on configuration management tools

In: International Conference on Information Resources Management: CONF-IRM. - Atlanta, Ga: AIS; 2016, Art. 71, insgesamt 14 S.;

[Kongress: International Conference on Information Resources Management (CONF-IRM), Cape Town, South Africa, 18-20 May, 2016];

**Khan, Ateeq; Turowski, Klaus**

A preliminary study on Industry 4.0

In: Journal of industrial and intelligent information: JIII. - Rowland Heights, Calif: Engineering and Technology Publ, Bd. 4.2016, 3, S. 230-234;

**Köppen, Veit; Broneske, David; Schäler, Martin; Saake, Gunter**

Elf - a main-memory index for efficient multi-dimensional range and partial match queries

In: International journal of advancement in engineering technology, management & applied science: IJAETMAS. - Pratap Vihar, Bd. 3.2016, 12, S. 96-105;

[Imp.fact.: 3,102]

**Kottke, Daniel; Krempl, Georg; Lang, Dominik; Teschner, Sebastian; Spiliopoulou, Myra**

Multi-class probabilistic active learning

In: ECAI 2016: 22nd European Conference on Artificial Intelligence, 29 August-2 September 2016, The Hague, The Netherlands: including Prestigious applications of intelligent systems (PAIS 2016): proceedings. - Amsterdam: IOS Press, S. 586 - 594 - (Frontiers in artificial intelligence and applications; 285);

[Kongress: 22nd European Conference on Artificial Intelligence, ECAI 2016, The Hague, The Netherlands, 29 August-2 September, 2016];

**Niemann, Uli; Spiliopoulou, Myra; Szczepanski, Thorsten; Samland, Fred; Grützner, Jens; Senk, Dominik; Ming, Antao; Kellersmann, Juliane; Malanowski, Jan; Klose, Silke; Mertens, Peter R.**

Comparative clustering of plantar pressure distributions in diabetics with polyneuropathy may be applied to reveal inappropriate biomechanical stress

In: PLoS one. - Lawrence, Kan: PLoS; Bd. 11 (2016), 8, Art.-Nr. e0161326, insges. 12 S.;

[Imp.fact.: 3,057]

**Pereira, Juliana Alves; Krieter, Sebastian; Meinicke, Jens; Schröter, Reimar; Saake, Gunter; Leich, Thomas**

FeatureIDE - scalable product configuration of variable systems

In: Software Reuse: Bridging with Social-Awareness: 15th International Conference, ICSR 2016, Limassol, Cyprus, June 5-7, 2016, Proceedings. - Cham: Springer International Publishing, S. 397-401 - (Lecture Notes in Computer Science; 9679);

[Kongress: International Conference on Software Reuse, ICSR 2016, Limassol, Cyprus, June 5-7, 2016];

***Nicht begutachtete Zeitschriftenaufsätze***

**Krieter, Sebastian; Schröter, Reimar; Thüm, Thomas; Saake, Gunter**

An efficient algorithm for feature-model slicing

In: Magdeburg: FIN, 2016; 10 Seiten - (Technical Report / Otto-von-Guericke-Universität Magdeburg, Fakultät für Informatik; 2016,01);

***Begutachtete Buchbeiträge***

**Al-Hajjaji, Mustafa; Benduhn, Fabian; Thüm, Thomas; Leich, Thomas; Saake, Gunter**

Mutation operators for preprocessor-based variability

In: Proceedings of the tenth International Workshop on Variability Modelling of Software-intensive Systems, VaMoS'16: Salvador, Brazil, January 27 - 29, 2016. - New York: ACM, S. 81-88;

[Kongress: 10th International Workshop on Variability Modelling of Software-intensive Systems, VaMoS'16, Salvador, Brazil, January 27 - 29, 2016];

**Al-Hajjaji, Mustafa; Krieter, Sebastian; Thüm, Thomas; Lochau, Malte; Saake, Gunter**

InCling - efficient product-line testing using incremental pairwise sampling

In: Proceedings of the 2016 ACM SIGPLAN International Conference on Generative Programming: concepts & experiences; Amsterdam, Netherlands, October 31 - November 01, 2016. - New York, NY: ACM, S. 144-155;

[Kongress: 2016 ACM SIGPLAN International Conference on Generative Programming, GPCE 2016, Amsterdam, Netherlands, October 31 - November 01, 2016];

**Al-Hajjaji, Mustafa; Meinicke, Jens; Krieter, Sebastian; Schröter, Reimar; Thüm, Thomas; Leich, Thomas; Saake, Gunter**

Tool demo - testing configurable systems with FeatureIDE

In: Proceedings of the 2016 ACM SIGPLAN International Conference on Generative Programming: concepts & experiences; Amsterdam, Netherlands, October 31 - November 01, 2016. - New York, NY: ACM, S. 173-177;

[Kongress: 2016 ACM SIGPLAN International Conference on Generative Programming, GPCE 2016, Amsterdam, Netherlands, October 31 - November 01, 2016];

**Altschaffel, Robert; Hildebrandt, Mario; Rassek, Falko; Kiltz, Stefan; Dittmann, Jana**

Anhalten unkooperativer Autos - ein interaktives Bezugssystem

In: DACH Security 2016: Bestandsaufnahme - Konzepte - Anwendungen - Perspektiven. - Frechen: Horster, Patrick, Prof. Dr, S. 417-428

[Kongress: DACH Security 2016, Klagenfurt, 26. - 27.09.2016];

**Altschaffel, Robert; Rassek, Falko; Dittmann, Jana**

Organic principles to increase safety and security of modern automotive systems

In: Proceedings of the 13th International Conference Applied Computing: Mannheim, Germany, October 28-30, 2016.

- IADIS Press, S. 241-244

[Kongress: 13th International Conference Applied Computing, Mannheim, Germany, 28 - 30 October, 2016];

**Alves Pereira, Juliana; Constantino, Kattiana; Figueiredo, Eduardo; Saake, Gunter**

Quantitative and qualitative empirical analysis of three feature modeling tools

In: Communications in computer and information science. - Berlin: Springer, Bd. 658.2016, S. 1-24;

**Alyosef, Afra'a Ahmad; Nürnberger, Andreas**

Adapted SIFT descriptor for improved near duplicate retrieval

In: Proceedings of the 5th International Conference on Pattern Recognition Applications and Methods (ICPRAM-2016):

Rome, February 24-26, 2016 / INSTICC. - [Setúbal]: SCITEPRESS, S. 55-64;

[Kongress: 5th International Conference on Pattern Recognition Applications and Methods (ICPRAM-2016), Rome, February 24-26, 2016];

**Arndt, Hans-Knud**

Der Eingabestift - Mode oder ein nachhaltiges Bedienkonzept?

In: Informatik 2016: 26. - 30. September 2016: proceedings. - [Bonn]: Ges. für Informatik, S. 1273-1284 - (GI-Edition

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**Arndt, Hans-Knud**

Mass customization - sustainability of a computer-based manufacturing system

In: Information Technology in Environmental Engineering: Proceedings of the 7th International Conference on

Information Technologies in Environmental Engineering (ITEE 2015). - Cham: Springer International Publishing, S. 151-163, 2016;

[Kongress: 7th International Conference on Information Technologies in Environmental Engineering (ITEE), Port Elizabeth, South Africa, 14. - 16. July, 2015];

**Arndt, Hans-Knud; Ewe, Chris**

Analysis of product lifecycle data to determine the environmental impact of the Apple iPhone

In: Advances and new trends in environmental informatics: stability, continuity, innovation. - Berlin: Springer

International Publishing, S. 3-13, 2016

[Kongress: EnviroInfo 2016, Berlin, 14.09.-16.09.2016];

**Benduhn, Fabian; Schröter, Reimar; Kenner, Andy; Kruczek, Christopher; Leich, Thomas; Saake, Gunter**

Migration from annotation-based to composition-based product lines - towards a tool-driven process

In: SOFTENG 2016: the Second International Conference on Advances and Trends in Software Engineering: February 21-25, 2016, Lisbon, Portugal. - [Erscheinungsort nicht ermittelbar]: ThinkMind, S. 102-109;

[Kongress: Second International Conference on Advances and Trends in Software Engineering, SOFTENG 2016, Lisbon, Portugal, February 21-25, 2016];

**Bergner, Benjamin; Krempf, Georg**

Active subtopic detection in multitopic data

In: CEUR workshop proceedings. - Aachen: RWTH, Bd. 1707.2016, S. 35-44;

[Kongress: Workshop on Active Learning: Applications, Foundations and Emerging Trends, AL@iKNOW 2016, Graz, Austria, October 18, 2016];

**Bosse, Sascha; Jamous, Naoum; Kramer, Frederik; Turowski, Klaus**

Introducing greenhouse emissions in cost optimization of fault-tolerant data center design

In: 18th IEEE Conference on Business Informatics; Volume 1. - Piscataway, NJ: IEEE, S. 163-172, 2016

[Kongress: 18th IEEE Conference on Business Informatics, CBI, Paris, France, 29 August - 1 September, 2016];

**Clausing, Robert; Fischer, Robert; Dittmann, Jana; Ding, Yongjian**

Your industrial facility and its IP address - a first approach for cyber-physical attack modeling

In: Computer Safety, Reliability, and Security: 35th International Conference, SAFECOMP 2016, Trondheim, Norway, September 21-23, 2016, Proceedings. - Cham: Springer International Publishing, S. 201-212 - (Lecture Notes in Computer Science; 9922);

[Kongress: 35th International Conference, SAFECOMP 2016, Trondheim, Norway, September 21-23, 2016];

**Constantino, Kattiana; Alves Pereira, Juliana; Padilha, Juliana; Vasconcelos, Priscilla; Figueiredo, Eduardo**

An empirical study of two software product line tools

In: ENASE 2016: proceedings of the 11th International Conference on Evaluation of Novel Software Approaches to Software Engineering: Rome, Italy, April 27-28, 2016. - [Setúbal, Portugal]: SCITEPRESS - Science and Technology Publications, Lda., S. 164-171;

[Kongress: 11th International Conference on Evaluation of Novel Software Approaches to Software Engineering, Rome, Italy, April 27-28, 2016];

**Dorok, Sebastian**

Memory efficient processing of DNA sequences in relational main-memory database systems

In: CEUR workshop proceedings. - Aachen: RWTH, Bd. 1594.2016, S. 39-43;

[Kongress: 28th GI-Workshop Grundlagen von Datenbanken, Nörten Hardenberg, Germany, May 24-27, 2016];

**Fischer, Philipp; Styp von Rekowski, Cornelius; Nürnberger, Andreas**

Context-aware restaurant recommendation for natural language queries - a formative user study in the automotive domain

In: INTERSPEECH 2016: 8-12 Sep. 2016, San Francisco. - International Speech and Communication Association, S. 3066-3070;

[Kongress: Interspeech 2016, San Francisco, 8-12 Sep., 2016];

**Fischer, Robert; Clausing, Robert; Dittmann, Jana; Ding, Yongjian**

Industrie 4.0 Schwachstellen - Basisangriffe und Szenarien

In: D-A-CH Security 2016: Bestandsaufnahme - Konzepte - Anwendungen - Perspektiven. - Frechen: syssec, Patrick Horster

[Kongress: DACH Security 2016, Klagenfurt, 26. - 27.09.2016];

**Fischer, Robert; Clausing, Robert; Dittmann, Jana; Ding, Yongjian; Kiltz, Stefan**

Modeling attacks on critical infrastructure - a first summary of existing approaches

In: 47th Annual meeting on nuclear technology: 10 - 12 May 2016, CCH - Congress Center Hamburg: the international expert conference on nuclear technology: Proceedings. - Berlin: INFORUM Verlags- und Verwaltungsgesellschaft mbH

[Kongress: 47th Annual Meeting on Nuclear Technology (AMNT), Hamburg, 10-12 May, 2016];

**Hielscher, Tommy; Spiliopoulou, Myra; Völzke, Henry; Kühn, Jens-Peter**

Identifying relevant features for a multi-factorial disorder with constraint-based subspace clustering

In: IEEE 29th International Symposium on Computer-Based Medical Systems, CBMS 2016: 20 June 2016, Dublin, Ireland: 21 - 23 June 2016, Belfast, Northern Ireland: proceedings. - Piscataway, NJ: IEEE, S. 207-212;

[Kongress: IEEE 29th International Symposium on Computer-Based Medical Systems (CBMS), 20 June 2016, Dublin, Ireland und 21 - 23 June 2016, Belfast, Northern Ireland];

**Hildebrandt, Mario; Dittmann, Jana**

StirTraceV2.0 and printed fingerprint detection - simulation of acquisition condition tilting and its impact to latent fingerprint detection feature spaces for crime scene forgeries

In: 2016 4th International Conference on Biometrics and Forensics (IWBF). - Piscataway, NJ: IEEE, insges. 6 S.;

[Kongress: 4th International Conference on Biometrics and Forensics (IWBF), Limassol, 3-4 March, 2016];

**Hintsch, Johannes; Kramer, Frederik; Jamous, Naoum; Turowski, Klaus**

The application system landscapes of IT service providers - a multi case study

In: 4th International Conference on Enterprise Systems, ES 2016: 2 - 3 November 2016, Melbourne, Australia; proceedings. - Los Alamitos [u.a.]: IEEE, insges. 10 S.

[Kongress: 4th International Conference on Enterprise Systems, ES 2016, Melbourne, Australia, 2 - 3 November, 2016];

**Hintsch, Johannes; Kramer, Frederik; Müller, Hendrik; Turowski, Klaus**

Software as a service production - an operationalizable domain model

In: 18th IEEE Conference on Business Informatics; Volume 1. - Piscataway, NJ: IEEE, S. 14-19, 2016

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**Jamous, Naoum; Bosse, Sascha; Görling, Carsten; Hintsch, Johannes; Khan, Ateeq; Kramer, Frederik; Müller, Hendrik; Turowski, Klaus**

Towards an IT service lifecycle management (ITSML) concept

In: 4th International Conference on Enterprise Systems, ES 2016: 2 - 3 November 2016, Melbourne, Australia; proceedings. - Los Alamitos [u.a.]: IEEE, insges. 10 S.

[Kongress: 4th International Conference on Enterprise Systems, ES 2016, Melbourne, Australia, 2 - 3 November, 2016];

**Jamous, Naoum; Hart, Stefan Willi; Volk, Matthias; Turowski, Klaus**

The I-ID - an IT solution to supplement conventional identification cards: the air transportation systems use case

In: 4th International Conference on Enterprise Systems, ES 2016: 2 - 3 November 2016, Melbourne, Australia; proceedings. - Los Alamitos [u.a.]: IEEE

[Kongress: 4th International Conference on Enterprise Systems, ES 2016, Melbourne, Australia, 2 - 3 November, 2016];

**Kalbitz, Michael; Scheidat, Tobias; Vielhauer, Claus**

First investigation of feasibility of contact-less non-destructive optical sensors to detect, acquire and digitally process forensic handwriting based on pressure information

In: 2016 4th International Conference on Biometrics and Forensics (IWBF). - Piscataway, NJ: IEEE, insges. 6 S.;

[Kongress: 4th International Conference on Biometrics and Forensics (IWBF), Limassol, 3-4 March, 2016];

**Kassem, Gamal; Zenker, Niko; Turowski, Klaus; Jamous, Naoum**

Collaborative network platform solution for monitoring, optimization, and reporting of environmental and energy performance of data center

In: Information Technology in Environmental Engineering: Proceedings of the 7th International Conference on Information Technologies in Environmental Engineering Springer International Publishing): Jorge Marx Gómez; Brenda Scholtz eds.. - Springer International Publ., 2016;

**Khan, Ateeq; Turowski, Klaus**

A perspective on Industry 4.0 - from challenges to opportunities in production systems

In: IoTBD 2016: proceedings of the International Conference on Internet of Things and Big Data: 23-25 April, 2016. - Setúbal, Portugal: scitepress, S. 441-448;

[Kongress: International Conference on Internet of Things and Big Data, Setúbal, Portugal, 23-25 April, 2016];

**Khan, Ateeq; Turowski, Klaus**

A survey of current challenges in manufacturing industry and preparation for Industry 4.0

In: Sná el, Václav.: Proceedings of the First International Scientific Conference Intelligent Information Technologies for Industry (IITI16): Volume 1. - [s.l.]: Springer-Verlag, S. 15-26, 2016 - (Advances in Intelligent Systems and Computing; 450);

[Kongress: First International Scientific Conference Intelligent Information Technologies for Industry, Sochi, Russia, 16.-21. Mai 2016];

**Kramer, Frederik; Rehn, Thomas; Schneider, Markus; Turowski, Klaus**

ERP-adoption within SME - challenging the existing body of knowledge with a recent case

In: Multidimensional views on enterprise information systems: proceedings of ERP Future 2014. - Cham: Springer

International Publishing, S. 41-54, 2016 - (Lecture Notes in Information Systems and Organisation; 12);  
[Kongress: ERP Future 2014, Dornbirn/Austria, November 17 and 18, 2014];

**Krätzer, Christian; Altschaffel, Robert; Dittmann, Jana**

Tendenzen zum Profiling von verschlüsselten Netzwerkverkehren - Möglichkeiten und Grenzen  
In: 6th International Symposium "New Technologies": Stuttgart, Germany, 05./06.10.2016. - Wiesbaden:  
Bundeskriminalamt, insges. 32 S.[Beitrag auf CD-ROM];

**Krätzer, Christian; Hildebrandt, Mario; Kiltz, Stefan; Kuhlmann, Sven; Dittmann, Jana**

A semantic framework for a better understanding, investigation and prevention of organized financial crime  
In: Sicherheit 2016 - Sicherheit, Schutz und Zuverlässigkeit: Beiträge der 8. Jahrestagung des Fachbereichs Sicherheit in  
der Gesellschaft für Informatik e. V. (GI): 5. - 7. April 2016, Bonn: proceedings. - Bonn: Köllen - (GI-Edition  
/ Proceedings; 256)  
[Kongress: Sicherheit 2016, Bonn, 05. - 07. April 2016];

**Krempl, Georg; Lemaire, Vincent; Lughofer, Edwin; Kottke, Daniel**

Active learning - applications, foundations and emerging trends (tutorial)  
In: CEUR workshop proceedings. - Aachen: RWTH, Bd. 1707.2016, S. 1-2;  
[Kongress: Workshop on Active Learning: Applications, Foundations and Emerging Trends, AL@iKNOW 2016, Graz,  
Austria, October 18, 2016];

**Kretschmer, Peter; Koychev, Hristo; Arndt, Hans-Knud**

Evaluation of messenger design - relation of design-quality and success  
In: EnviroInfo 2016: Environmental Informatics Stability, Continuity, Innovation: current trends and future perspectives  
based on 30 years of history: Adjunct proceedings of the 30th edition of the EnviroInfo - the long standing established  
international and interdisciplinary conference series on leading environmental information and communication  
technologies: Berlin, September 14th - 16th, 2016, HTW Berlin, University of Applied Sciences, Germany. - Aachen:  
Shaker Verlag, S. 197-204;

**Krieter, Sebastian; Schröter, Reimar; Thüm, Thomas; Fenske, Wolfram; Saake, Gunter**

Comparing algorithms for efficient feature-model slicing  
In: Proceedings of the 20th International Software Product Line Conference (SPLC 2011): Beijing, China, September 16  
- 23, 2016. - Piscataway, NJ: IEEE, S. 60-64;  
[Kongress: 20th International Software Product Line Conference (SPLC 2011), Beijing, China, September 16 - 23, 2016];

**Krüger, Jacob; Fenske, Wolfram; Meinicke, Jens; Leich, Thomas; Saake, Gunter**

Extracting software product lines - a cost estimation perspective  
In: Proceedings of the 20th International Software Product Line Conference (SPLC 2011): Beijing, China, September 16  
- 23, 2016. - Piscataway, NJ: IEEE, S. 354-361;  
[Kongress: 20th International Software Product Line Conference (SPLC 2011), Beijing, China, September 16 - 23, 2016];

**Krüger, Jacob; Schröter, Ivonne; Kenner, Andy; Kruczek, Christopher; Leich, Thomas**

FeatureCoPP - compositional annotations  
In: Proceedings of the 7th International Workshop on Feature-Oriented Software Development. - ACM, S. 74-84, 2016;  
[Kongress: 7th International Workshop on Feature-Oriented Software Development, Amsterdam, October 30, 2016];

**Kuhlmann, Sven; Merkel, Ronny; Dittmann, Jana; Zitturi, Barbara Colette; Griesbacher, Martin**

Criminals cash flow strategies in financial crime on the example of online and offline fraud  
In: The European Conference on Psychology & the Behavioral Sciences 2016: official conference proceedings. - The  
International Academic Forum (IAFOR), S. 61-71;  
[Kongress: European Conference on Psychology & the Behavioral Sciences 2016, Brighton, UK, 4. - 6. July, 2016];

**Lachmann, Remo; Lity, Sascha; Al-Hajjaji, Mustafa; Fürchtegott, Franz; Schaefer, Ina**

Fine-grained test case prioritization for integration testing of delta-oriented software product lines  
In: Proceedings of the 7th International Workshop on Feature-Oriented Software Development. - ACM, insges. 10 S.,



2016;

[Kongress: 7th International Workshop on Feature-Oriented Software Development, FOSD 2016, Amsterdam, Netherlands, October 30, 2016];

**Lang, Dominik; Kottke, Daniel; Krempl, Georg; Spiliopoulou, Myra**

Investigating exploratory capabilities of uncertainty sampling using SVMs in active learning

In: CEUR workshop proceedings. - Aachen: RWTH, Bd. 1707.2016, S. 25-34;

[Kongress: Workshop on Active Learning: Applications, Foundations and Emerging Trends, AL@iKNOW 2016, Graz, Austria, October 18, 2016];

**Lehmann, Stefanie; Arndt, Hans-Knud**

Sustainable software design for very small organizations

In: Advances and new trends in environmental informatics: stability, continuity, innovation. - Berlin: Springer International Publishing, S. 15-24, 2016

[Kongress: EnviroInfo 2016, Berlin, 14.09.-16.09.2016];

**Lehmann, Stefanie; Krummhaar, Peter; Arndt, Hans-Knud**

A new approach for sustainability of sustainable reports

In: EnviroInfo 2016: Environmental Informatics Stability, Continuity, Innovation: current trends and future perspectives based on 30 years of history: Adjunct proceedings of the 30th edition of the EnviroInfo - the long standing established international and interdisciplinary conference series on leading environmental information and communication technologies: Berlin, September 14th - 16th, 2016, HTW Berlin, University of Applied Sciences, Germany. - Aachen: Shaker Verlag, S. 281-285;

**Meinicke, Jens; Thüm, Thomas; Schröter, Reimar; Krieter, Sebastian; Benduhn, Fabian; Saake, Gunter; Leich, Thomas**

FeatureIDE - taming the preprocessor wilderness

In: Proceedings of the 38th International Conference on Software Engineering Companion. - Piscataway, NJ: IEEE, S. 629-632, 2016;

[Kongress: 38th International Conference on Software Engineering Companion, ICSE'16, Austin, Texas, May 14 - 22, 2016];

**Meinicke, Jens; Wong, Chu-Pan; Kästner, Christian; Thüm, Thomas; Saake, Gunter**

On essential configuration complexity: measuring interactions in highly-configurable systems

In: Proceedings of the 31st IEEE/ACM International Conference on Automated Software Engineering: Singapore, Singapore, September 03 - 07, 2016. - Piscataway, NJ: IEEE, S. 483-494;

[Kongress: 31st IEEE/ACM International Conference on Automated Software Engineering, ASE 2016, Singapore, September 03 - 07, 2016];

**Meister, Andreas; Saake, Gunter**

Challenges for a GPU-accelerated dynamic programming approach for join-order optimization

In: CEUR workshop proceedings. - Aachen: RWTH, Bd. 1594.2016, S. 86-91;

[Kongress: 28th GI-Workshop Grundlagen von Datenbanken, Nörten Hardenberg, Germany, May 24-27, 2016];

**Müller, Hendrik; Bosse, Sascha**

Multidimensional workload consolidation for enterprise application service providers

In: 22nd Americas Conference on Information Systems: surfing the IT innovation wave, AMCIS 2016: San Diego, United States; 11 August 2016 through 14 August 2016. - San Diego

[Kongress: 22nd Americas Conference on Information Systems, AMCIS 2016, San Diego, 11.-14. August 2016];

**Müller, Hendrik; Bosse, Sascha; Turowski, Klaus**

Optimizing server consolidation for enterprise application service providers

In: Proceeding of the 20th Pacific Asia Conference on Information Systems (PACIS 2016). - AIS Electronic Library (AISel); 2016, Paper 243, insgesamt 15 S.;

[Kongress: 20th Pacific Asia Conference on Information Systems (PACIS 2016), Chiayi, Taiwan, June 27 - July 1, 2016];

**Müller, Hendrik; Görling, Carsten; Hintsch, Johannes; Splieth, Matthias; Starke, Sebastian; Turowski, Klaus**

Monitoring energy consumption on the service level - a procedure model for multitenant ERP systems

In: CLOSER 2016; Volume 2. - [Setúbal, Portugal]: SCITEPRESS - Science and Technology Publications, Lda., S. 215-222  
[Kongress: 6th International Conference on Cloud Computing and Services Science, Rome, Italy, April 23-25, 2016];

**Neubert, Tom; Hildebrandt, Mario; Dittmann, Jana**

Image pre-processing detection - evaluation of Benford's law, spatial and frequency domain feature performance

In: 2016 First International Workshop on Sensing, Processing and Learning for Intelligent Machines (SPLINE). - New York: IEEE; <http://dx.doi.org/10.1109/SPLIM.2016.7528405>

[Kongress: First International Workshop on Sensing, Processing and Learning for Intelligent Machines, SPLINE, Aalborg, Denmark, 6-8 July, 2016];

**Niemann, Uli; Spiliopoulou, Myra; Samland, Fred; Szczepanski, Thorsten; Grützner, Jens; Ming, Antao; Kellersmann, Juliane; Malanowski, Jan; Klose, Silke; Mertens, Peter R.**

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### **Herausgeberschaften**

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**Richard [HerausgeberIn]; Veale, Tony [HerausgeberIn]; Gailly, Frederik [HerausgeberIn]; Guizzardi, Giancarlo**

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## 2. Veröffentlichungen

### ***Begutachtete Zeitschriftenaufsätze***

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## 1. Leitung

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## 2. Veröffentlichungen

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