

**HOCHSCHULE
HANNOVER**
UNIVERSITY OF
APPLIED SCIENCES
AND ARTS

Forschungscluster "Smart Data Analytics"

List of Publications (09/16 - 10/17)

Members:

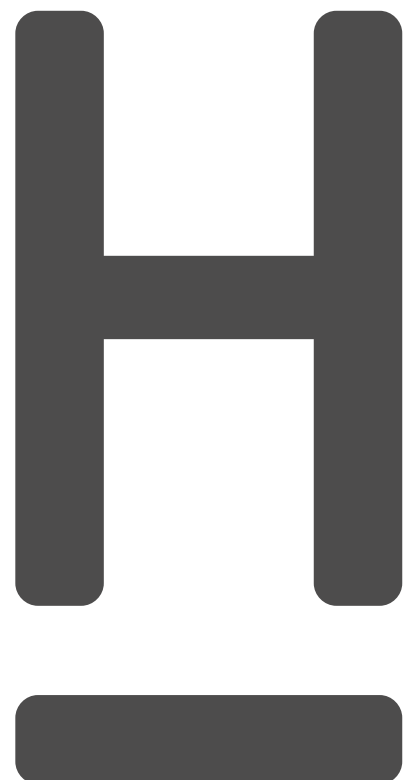
Ina Blümel, Oliver J. Bott, Wolfram Ludwig, Fabian Schmieder, Christian Wartena
Fakultät III – Medien, Information und Design, Abteilung Information und Kommunikation

Volker Ahlers, Ralf Bruns, Jürgen Dunkel, Felix Heine, Carsten Kleiner, Arne Koschel
Fakultät IV – Wirtschaft und Informatik, Abteilung Informatik

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Stand: 26.10.2017



Selected Publications of Members of the Forschungscluster Smart Data Analytics (Research Cluster) of the Hochschule Hannover, Germany.

1. Dötterl, J., Bruns, R., Dunkel, J., Ossowski, S.: "Towards Dynamic Rebalancing of Bike Sharing Systems: An Event-Driven Agents Approach", in: Progress in Artificial Intelligence: 18th EPIA Conference on Artificial Intelligence, EPIA 2017, Porto, Portugal, LNAI 10423, Springer International Publishing, 2017, pp. 309-320, DOI: 10.1007/978-3-319-65340-2_26.
2. Dötterl, J., Bruns, R., Dunkel, J.: "Incorporating Situation Awareness into Recommender Systems", in: Proceedings of the 19th International Conference on Enterprise Information Systems (ICEIS 2017) - Volume 2, Porto, Portugal, ISBN: 978-989-758-248-6, ScitePress, 2017, pp. 676-683.
3. Schöner, D., Pump, R., Rüscher, H., Koschel, A., Ahlers, V. (2017), Providing a sustainable, adaptive IT infrastructure for portable micro-CHP test benches, in: Otjacques, B., Hitzelberger, P., Naumann, S., Wohlgemuth, V. (Hrsg.), Proc. Intl. Conf. EnviroInfo 2017 - From Science to Society. Progress in IS, Cham: Springer International Publishing, S. 297–307.
4. Koschel, A., Astrova, I., Kobert, S., Naumann, J., Ruhe, T., Starodubtsev, O. (2017), Towards Requirements for Event Processing Network Models, in: Bourbakis, N, Papadopoulos, G., Tsihrintzis, G. A., Virvou, M. (Hrsg.), 8th International Conference on Information, Intelligence, Systems and Applications (IISA2017), IEEE : USA, S. to app.
5. Koschel, A., Astrova, I., Dötterl, J. (2017), Making the Move to Microservice Architecture, in: Shoniregun, C.A., Akmayeva, G.A. (Hrsg.), The International Conference on Information Society (i-Society 2017), IEEE: UK, S. 73-78.
6. Koschel, A., Astrova, I., Eickemeyer, C., Kersten, J., Offel, N. (2017), DBaaS Comparison: Amazon vs. Microsoft, in: Shoniregun, C.A., Akmayeva, G.A. (Hrsg.), The International Conference on Information Society (i-Society 2017), IEEE: UK, S. 14-19.
7. Pump, R., Rüscher, H., Schöner, D., Saul, D., Ahlers, V., Koschel, A. (2017), Simulation des Netzverkehrs der Informationstechnologie im Smart Grid , in: Wittmann, J. (Hrsg.), Simulation in den Umwelt- und Geowissenschaften (Workshop Berlin 2017). ASIM Mitteilung AM, Shaker: Aachen, S. 85-96.
8. Hausotter, A., Koschel, A., Busch, J., Petsch, M., Zuch, M. (2017), Agent based Framework for QoS Measurement applied in SOA, in: Barros, M., Klink, J., Uhl, T., Prinz, T. (Hrsg.), Proc. SERVICE COMPUTATION 2017 : The 9th International Conferences on Advanced Service Computing, IARIA: Athens, Greece, S. 16-23, Best Paper Award.
9. Hausotter, A., Koschel, A., Zuch, M., Busch, J., Seewald, J. (2016), Components for a SOA with ESB, BPM, and BRM - Decision Framework and Architectural Details, in: IARIA: International Journal On Advances in Intelligent Systems, Bd. 9, Nr. 3&4, S. 287-297.
10. Schöner, D., Pump, R., Schmicke, C., Minnrich, J.P., Rüscher, R., Ahlers, V., Koschel, A. (2016), IT-Unterstützung von BHKW-Prüfständen in der angewandten Forschung, in: Mayr, H.C., Pinzger, M. (Hrsg.), Proc. 46. GI-Jahrestagung Informatik 2016: 4. Workshop: Umweltinformatik zwischen Nachhaltigkeit und Wandel (UINW 2016), Springer LNI P-259: Klagenfurt, Austria, S. 1227-1238.
11. Astrova, I., Koschel, A., Schaaf, M., Ahlers, V. (2016), Enhancing OSGi with Asynchronous Messaging , in: Schoeberl, M. (Hrsg.), Proc. JTRES 2016: 14th ACM International Workshop on Java Technologies for Real-Time and Embedded Systems, ACM: Lugano, Switzerland, S. 4:1-4:10.
12. Heine F.: "Outlier Detection in Data Streams Using OLAP Cubes". In: Kirikova M. et al. (eds) New Trends in Databases and Information Systems. ADBIS 2017. Communications in Computer and Information Science, vol 767. Springer, Cham. Link: https://link.springer.com/chapter/10.1007/978-3-319-67162-8_4
13. Renners L., Heine F., Dreo Rodosek, G.: "Modeling and Learning Incident Prioritization.". In Proceedings of the 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), Bucharest, September 20th till September 23rd 2017. IEEE, Institute of Electrical and Electronics Engineers.

14. Heine F., Rhode M.: "PopUp-Cubing: An Algorithm to Efficiently Use Iceberg Cubes in Data Streams". In: The 4th IEEE/ACM International Conference on Big Data Computing, Applications and Technologies, 2017, Austin, USA
15. Hellmann, B., Ahlers, V., Dreo Rodosek, G. (2017), Integrating visual analysis of network security and management of detection system configurations, in 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS 2017), September 21-23. 2017, Bucharest, Romania, IEEE, S. 1020-1025.
16. Ammenwerth E, Knaup P, Winter A, Bauer AW, Bott OJ et al.: On Teaching International Courses on Health Information Systems. Lessons Learned during 16 Years of Frank - van Swieten Lectures on Strategic Information Management in Health Information Systems. In *Methods Inf Med.* 2017 Mar 8;56(Open):e39-e48. doi: 10.3414/ME16-01-0124.
17. Garmann R, Fricke P, Reiser P, Bersuch C, Bott OJ: Moodle, Grappa, aSQLg, Graja - Neue Entwicklungen bei der Grading-Software der Hochschule Hannover. Angenommenes/r Paper/Vortrag für die ABP 2017, Dritter Workshop "Automatische Bewertung von Programmieraufgaben" 5. und 6. Oktober 2017, Potsdam
18. Elschen A, Müller-Mielitz S, Bott OJ: Innovationen im Medizinischen Informationsmanagement - IHE konforme Langzeitarchivierung von eAkten. In: Proc. der DVMD-Tagung 22.-25.03.2017 in Dresden (online unter dvmd2017.smart-abstract.com (zuletzt zugegriffen am 22.06.2017))
19. Menzner D, Schwerdtner C, Bott OJ: Konzeption eines APC-integrierten mobilen Fotodokumentationssystems für medizinische Bilder. In: Proc. der DVMD-Tagung 22.-25.03.2017 in Dresden (online unter dvmd2017.smart-abstract.com (zuletzt zugegriffen am 22.06.2017))
20. Laser H, Eder B, Gerbel S, Günther A, Katzensteiner M, Kindler F, Nowak I, Perberschlager J, Pertz J, Sirman G, Tümler K, Bott OJ, Hamwi I, Heuser M: Zusammenführung klinischer Forschungsdatenbestände in ein klinisches Data Warehouse für die Krebsforschung an einem Universitätsklinikum. In: HEC 2016: Health – Exploring Complexity. Joint Conference of GMDS, DGEpi, IEA-EEF, EFMI. München, 28.08.-02.09.2016. Düsseldorf: German Medical Science GMS Publishing House; 2016. DocAbstr. 765, doi: 10.3205/16gmds141, urn:nbn:de:0183-16gmds1417
21. Garmann R, Fricke P, Bott OJ.: Bewertungsaspekte und Tests in Java-Programmieraufgaben für Graja im ProFormA-Aufgabenformat. In: Lucke U, Schwill A, Zender R (Hrsg.): DeLFI 2016 – Die 14. E-Learning Fachtagung Informatik der Gesellschaft für Informatik e.V. 11.-14.09.2016, Lecture Notes in Informatics (LNI) -Proceedings, Series of the Gesellschaft für Informatik(GI), V P-262, 2016.
22. Oliver J. Bott, Peter Fricke, Uta Priss, Michael Striewe (Hrsg.): Automatisierte Bewertung in der Programmierausbildung, 2017, Digitale Medien in der Hochschullehre, Band 6, 404 Seiten, Waxmann-Verlag, ISBN 978-3-8309-3606-0
23. Kai-Oliver Detken, Marcel Jahnke, Carsten Kleiner, and Marius Rohde. Combining Network Access Control (NAC) and SIEM functionality based on Open Source. In Proceedings of the 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), Bucharest, September 20th till September 23rd 2017. IEEE, Institute of Electrical and Electronics Engineers. <http://idaacs.net/2017>.
24. Kai-Oliver Detken, Carsten Kleiner, Marius Rohde, and Marion Steiner. IT-Sicherheitsanalyse durch NAC-Systeme mit SIEM-Funktionalität. In Peter Schartner and Andrea Baumann, editors, D.A.CH Security 2017: Bestandsaufnahme, Konzepte, Anwendungen und Perspektiven. syssec-Verlag, Frechen, September 5th and September 6th 2017
25. Aga, Rosa Tsegaye, Christian Wartena, Otto Lange, and Nelleke Aders. "Automatic Identification of Synonym Relations in the Dutch Parliament's Thesaurus." *Archives of Data Science, Series A.*, 2017.
26. Lüscho, Andreas, and Christian Wartena. "Classifying Medical Literature Using K-Nearest-Neighbours Algorithm." In *Networked Knowledge Organization Systems Workshop (NKOS 2017)*, 2017.
27. Aga, Rosa Tsegaye, Christian Wartena, Lucas Drumond, and Lars Schmidt-Thieme. "Learning Thesaurus Relations from Distributional Features." In *Tenth International Conference on Language Resources and Evaluation (LREC 2016)*, 2016.

28. Aga, Rosa Tsegaye, Lucas Drumond, Christian Wartena, and Lars Schmidt-Thieme. "Integrating Distributional and Lexical Information for Semantic Classification of Words Using MRMF." In COLING 2016, the 26th International Conference on Computational Linguistics, 2708–17, 2016.
29. Lujak, M., Billhardt, H., Dunkel, J., Fernández, A., Hermoso, R., Ossowski, S.: A Distributed Architecture for Real-Time Evacuation Guidance in Large Smart Buildings. *Computer Science and Information Systems*, Vol. 14, No. 1, 257–282. (2017)
30. Billhardt, H., Dunkel, J., Fernández, A., Lujak, M., Hermoso, R. Ossowski, S.: A Proposal for Situation-aware Evacuation Guidance based on Semantic Web Technologies, 4th International Conference on Agreement Technologies Valencia (colocated with 14th European Conference on Multi-Agent Systems (EUMAS)), 2016
31. Dunkel, J.: On Sensor Fusion for Location-based Recommender Systems, 9th International Workshop on Autonomous Self-Organizing Networks in Workshop (ASON) at IEEE 4th International Symposium on Computing (CANDAR), Hiroshima, November 2016
32. Billhardt, H., Dunkel, J., Lujak, M., Fernández, A., Hermoso, R. Ossowski, S.: An Architecture for Situation-aware Evacuation Guidance in Smart Buildings, AmILP Workshop on Ambient Intelligence for Large Premises in conjunction with ECAI 2016, Den Haag (Netherlands), 2016
33. Hermoso, R., Dunkel, J., Krause, J.: Situation Awareness for Push-Based Recommendations in Mobile Devices, 19th Intern. Conf. on Business Information Systems (BIS), pp. 117-129, Lecture Notes in Business Information Processing, Springer, 2016