

PUBLICATIONS

ALI SUNYAEV

Last update: April, 2024

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Books

1. Sunyaev, A. *Internet Computing – Principles of Distributed Systems and Emerging Internet-Based Technologies* 1. ed. 413 pp. ISBN: 978-3-030-34956-1. doi:10.1007/978-3-030-34957-8 (Springer International Publishing, 2020).
2. *Management sicherer Cloud-Services: Entwicklung und Evaluation dynamischer Zertifikate* German (eds Krcmar, H., Eckert, C., Roßnagel, A., Sunyaev, A. & Wiesche, M.) 426 pp. ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3 (Gabler Verlag, 2017).
3. *Cloud-Services aus der Geschäftsperspektive* German (eds Krcmar, H., Leimeister, J. M., Roßnagel, A. & Sunyaev, A.) 434 pp. ISBN: 978-3-658-08256-7. doi:10.1007/978-3-658-08257-4 (Gabler Verlag, 2016).
4. Schneider, S. & Sunyaev, A. *Cloud-Service Zertifizierung - Ein Rahmenwerk und Kriterienkatalog zur Zertifizierung von Cloud-Services* German. 80 pp. ISBN: 978-3-662-47285-9. doi:10.1007/978-3-662-47286-6 (Gabler Verlag, 2015).
5. Sunyaev, A. *Health-Care Telematics in Germany: Design and Application of a Security Analysis Method* 271 pp. ISBN: 978-3-8349-2442-1. doi:10.1007/978-3-8349-6519-6 (Gabler Verlag, 2011).
6. Sunyaev, A., von Beck, J., Jedamzik, S. & Krcmar, H. *IT-Sicherheitsrichtlinien für eine sichere Arztpraxis* German. 128 pp. ISBN: 978-3-8322-7214-2 (Shaker Verlag, 2008).

Journal Articles

1. Greulich, M., Lins, S., Pienta, D., Thatcher, J. B. & Sunyaev, A. Exploring Contrasting Effects of Trust in Organizational Security Practices and Protective Structures on Employees' Security-Related Precaution Taking. **Information systems research**. 46.23.01; LK 01; in press. ISSN: 1047-7047, 1526-5536. doi:10.1287/isre.2021.0528 (2024).
2. Lins, S., Greulich, M., Löbbers, J., Benlian, A. & Sunyaev, A. Why So Skeptical? Investigating the Emergence and Consequences of Consumer Skepticism toward Web Seals. **Information & Management** 61. in press, Art.-Nr.: 103920. ISSN: 0378-7206. doi:10.1016/j.im.2024.103920 (2024).
3. Maedche, A., Elshan, E., Höhle, H., Lehrer, C., Recker, J., Sunyaev, A., Sturm, B. & Werth, O. Open Science : Towards Greater Transparency and Openness in Science. **Business & Information Systems Engineering**. ISSN: 2363-7005, 1867-0202. doi:10.1007/s12599-024-00858-7 (2024).
4. Toussaint, P. A., Leiser, F., Thiebes, S., Schlesner, M., Brors, B. & Sunyaev, A. Explainable artificial intelligence for omics data: a systematic mapping study. **Briefings in Bioinformatics** 25, 1–16. ISSN: 1467-5463, 1477-4054. doi:10.1093/bib/bbad453 (2024).
5. Dehling, T. & Sunyaev, A. A design theory for transparency of information privacy practices. **Information Systems Research** Accepted Manuscript. 46.23.01; LK 01, 1–45. ISSN: 1047-7047, 1526-5536. doi:10.1287/isre.2019.0239 (2023).
6. Mettler, T. & Sunyaev, A. Are we on the right track? an update to Lyytinen et al.'s commentary on why the old world cannot publish. **European journal of information systems** 32, 263–276. ISSN: 0960-085X, 1476-9344. doi:10.1080/0960085X.2021.1940324 (2023).
7. Sunyaev, A., Dehling, T., Strahringer, S., Da Xu, L., Heinig, M., Perscheid, M., Alt, R. & Rossi, M. The Future of Enterprise Information Systems. **Business & Information Systems Engineering**. 46.23.01; LK 01. ISSN: 2363-7005, 1867-0202. doi:10.1007/s12599-023-00839-2 (2023).
8. Guse, R., Thiebes, S., Hennel, P., Rosenkranz, C. & Sunyaev, A. Datenmarktplätze für Künstliche Intelligenz im Gesundheitswesen: Potenziale, Herausforderungen und Strategien zur Bewältigung. German. **HMD** 59, 1527–1544. ISSN: 1436-3011. doi:10.1365/s40702-022-00922-4 (2022).
9. Kannengießer, N., Lins, S., Sander, C., Winter, K., Frey, H. & Sunyaev, A. Challenges and Common Solutions in Smart Contract Development. **IEEE transactions on software engineering** 48. 46.23.01; LK 01, 4291–4318. ISSN: 0098-5589, 1939-3520, 2326-3881. doi:10.1109/TSE.2021.3116808 (2022).
10. Klein, T., Fenn, T., Katzenbach, A., Teigeler, H., Lins, S. & Sunyaev, A. A Threat Model for Vehicular Fog Computing. **IEEE access** 10, 133256–133278. ISSN: 2169-3536. doi:10.1109/ACCESS.2022.3231189 (2022).
11. Lins, S., Becker, J.-M., Lyytinen, K. & Sunyaev, A. A Design Theory for Certification Presentations. **The database for advances in information systems** 54, 75–118. ISSN: 0095-0033, 1532-0936. doi:10.1145/3614178.3614183 (2022).
12. Lins, S., Kromat, T., Löbbers, J., Benlian, A. & Sunyaev, A. Why Don't You Join In? A Typology of Information System Certification Adopters. **Decision sciences** 53, 452–485. ISSN: 0011-7315, 1540-5915. doi:10.1111/deci.12488 (2022).

13. Petry, L., Lins, S., Thiebes, S. & Sunyaev, A. Technologieauswahl im DigitalPakt: Wie werden Entscheidungen im Bildungssektor getroffen? = Technology selection in the german digital pact: How are decisions made in the educational system? German. **HMD** 59, 912–925. ISSN: 1436-3011, 2198-2775. doi:10.1365/s40702-021-00751-x (2022).
14. Sunyaev, A., Fürstenau, D. & Davidson, E. Call for Papers, Issue 3/2024 – Reimagining Digital Health: Advances in Patient-Centeredness, Artificial Intelligence, and Data-Driven Care Research. **Business & Information Systems Engineering** 64, 543–545. ISSN: 2363-7005, 1867-0202. doi:10.1007/s12599-022-00763-x (2022).
15. Sunyaev, A., Weinhardt, C., van der Aalst, W. & Hinz, O. BISE Student: From Desk Drawer to Center Stage: Highlighting the Value of Student Theses. **Business & Information Systems Engineering** 64, 701–706. ISSN: 2363-7005, 1867-0202. doi:10.1007/s12599-022-00781-9 (2022).
16. Thiebes, S., Gao, F., Briggs, R. O., Schmidt-Kraepelin, M. & Sunyaev, A. Design Concerns for Multiorganizational, Multistakeholder Collaboration: A Study in the Healthcare Industry. **Journal of management information systems** 4. MO-MS, collaboration, design concerns, collaboration engineering, healthcare. ISSN: 0742-1222, 1557-928X (2022).
17. Toussaint, P. A., Renner, M., Lins, S., Thiebes, S. & Sunyaev, A. Direct-to-Consumer Genetic Testing on Social Media: Topic Modeling and Sentiment Analysis of YouTube Users' Comments. **JMIR Infodemiology** 2, Art.–Nr.: e38749. ISSN: 2564-1891. doi:10.2196/38749 (2022).
18. Toussaint, P. A., Thiebes, S., Schmidt-Kraepelin, M. & Sunyaev, A. Perceived fairness of direct-to-consumer genetic testing business models. **Electronic Markets** 32, 1621–1638. ISSN: 1019-6781, 1422-8890. doi:10.1007/s12525-022-00571-x (2022).
19. Lins, S., Pandl, K. D., Teigeler, H., Thiebes, S., Bayer, C. & Sunyaev, A. Artificial Intelligence as a Service – Classification and Research Directions. **Business & information systems engineering** 63, 441–456. ISSN: 2363-7005, 1867-0202. doi:10.1007/s12599-021-00708-w (2021).
20. Lücking, M., Kretzer, F., Kannengießer, N., Beigl, M., Sunyaev, A. & Stork, W. When Data Fly: An Open Data Trading System in Vehicular Ad Hoc Networks. **Electronics** 10. 46.23.03; LK 01, 654. ISSN: 2079-9292. doi:10.3390/electronics10060654 (2021).
21. Pandl, K. D., Thiebes, S., Schmidt-Kraepelin, M. & Sunyaev, A. How detection ranges and usage stops impact digital contact tracing effectiveness for COVID-19. **Scientific reports** 11, Art.–Nr.: 9414. ISSN: 2045-2322. doi:10.1038/s41598-021-88768-6 (2021).
22. Schöbel, S., Schmidt-Kraepelin, M., Janson, A. & Sunyaev, A. Adaptive and Personalized Gamification Designs: Call for Action and Future Research. **AIS transactions on human-computer interaction** 13, 479–494. ISSN: 1944-3900. doi:10.17705/1thci.00158 (2021).
23. Sunyaev, A., Kannengießer, N., Beck, R., Treiblmaier, H., Lacity, M., Kranz, J., Fridgen, G., Spankowski, U. & Luckow, A. Token Economy. **Business & information systems engineering** 63. 46.23.01; LK 01; Die Publikation hat keinen Abstract, 457–478. ISSN: 2363-7005, 1867-0202. doi:10.1007/s12599-021-00684-1 (2021).
24. Thiebes, S., Lins, S. & Sunyaev, A. Trustworthy artificial intelligence. **Electronic markets** 31, 447–464. ISSN: 1019-6781, 1422-8890. doi:10.1007/s12525-020-00441-4 (2021).
25. Warsinsky, S., Schmidt-Kraepelin, M., Rank, S., Thiebes, S. & Sunyaev, A. Conceptual Ambiguity Surrounding Gamification and Serious Games in Health Care: Literature Review and Development of Game-Based Intervention Reporting Guidelines (GAMING). **Journal of medical internet research** 23, Art.–Nr.: e30390. ISSN: 1438-8871. doi:10.2196/30390 (2021).

26. Yari, I. A., Dehling, T., Kluge, F., Geck, J., Sunyaev, A. & Eskofier, B. Security Engineering of Patient-Centered Health Care Information Systems in Peer-to-Peer Environments: Systematic Review. **Journal of Medical Internet Research** 23, 46.23.01; LK 01, e24460. ISSN: 1438-8871, 1439-4456. doi:10.2196/24460 (2021).
27. Ermakova, T., Fabian, B., Kornacka, M., Thiebes, S. & Sunyaev, A. Security and Privacy Requirements for Cloud Computing in Healthcare: Elicitation and Prioritization from a Patient Perspective. **ACM transactions on management information systems** 11, Art.–Nr.: 6. ISSN: 2158-656X, 2158-6578. doi:10.1145/3386160 (2020).
28. Kannengießer, N., Lins, S., Dehling, T. & Sunyaev, A. Trade-offs between Distributed Ledger Technology Characteristics. **ACM computing surveys** 53, Art. Nr.: 42. ISSN: 0360-0300, 1557-7341. doi:10.1145/3379463 (2020).
29. Löbbers, J., Lins, S., Kromat, T., Benlian, A. & Sunyaev, A. A multi-perspective lens on web assurance seals: contrasting vendors' intended and consumers' perceived effects. **Electronic commerce research** 22, 1573–1615. ISSN: 1389-5753, 1572-9362. doi:10.1007/s10660-020-09415-2 (2020).
30. Lücking, M., Kannengießer, N., Kilgus, M., Riedel, T., Beigl, M., Sunyaev, A. & Stork, W. The Merits of a Decentralized Pollution-Monitoring System Based on Distributed Ledger Technology. **IEEE access** 8, 189365–189381. ISSN: 2169-3536. doi:10.1109/ACCESS.2020.3028430 (2020).
31. Maier, N., Pawlowska, I. M., Lins, S. & Sunyaev, A. Die Zertifizierung nach der DS-GVO. Transparenz und Vertrauen für Nutzer digitaler Dienste? German. **Zeitschrift für Datenschutz ZD**, 445–449. ISSN: 2192-5593 (2020).
32. Pandl, K. D., Thiebes, S., Schmidt-Kraepelin, M. & Sunyaev, A. On the Convergence of Artificial Intelligence and Distributed Ledger Technology: A Scoping Review and Future Research Agenda. **IEEE access** 8, 57075–57095. ISSN: 2169-3536. doi:10.1109/ACCESS.2020.2981447 (2020).
33. Schmidt-Kraepelin, M., Toussaint, P. A., Thiebes, S., Hamari, J. & Sunyaev, A. Archetypes of Gamification: Analysis of mHealth Apps. **JMIR mhealth and uhealth** 8, Art.Nr. e19280. ISSN: 2291-5222. doi:10.2196/19280 (2020).
34. Sunyaev, A. Vertrauenswürdige Systeme mit künstlicher Intelligenz. German. **Wirtschaftsinformatik & Management** 12, 111–113. ISSN: 1867-5905, 1867-5913. doi:10.1365/s35764-020-00250-6 (2020).
35. Thiebes, S., Schlesner, M., Brors, B. & Sunyaev, A. Distributed Ledger Technology in genomics: a call for Europe. **European journal of human genetics** 28, 139–140. ISSN: 1018-4813, 1476-5438. doi:10.1038/s41431-019-0512-4 (2020).
36. Thiebes, S., Toussaint, P. A., Ju, J., Ahn, J.-H., Lyytinen, K. & Sunyaev, A. Valuable Genomes: Taxonomy and Archetypes of Business Models in Direct-to-Consumer Genetic Testing. **Journal of medical internet research** 22, Article: e14890. ISSN: 1438-8871. doi:10.2196/14890 (2020).
37. Gao, F. & Sunyaev, A. Context matters: A review of the determinant factors in the decision to adopt cloud computing in healthcare. **International journal of information management** 48, 120–138. ISSN: 0268-4012. doi:10.1016/j.ijinfomgt.2019.02.002 (2019).
38. Lins, S., Schneider, S., Szefer, J., Ibraheem, S. & Sunyaev, A. Designing Monitoring Systems for Continuous Certification of Cloud Services: Deriving Meta-requirements and Design Guidelines. **Communications of the Association for Information Systems** 44, 460–510. ISSN: 1529-3181. doi:10.17705/1CAIS.04425 (2019).

39. Maier, N., Lins, S., Teigeler, H., Roßnagel, A. & Sunyaev, A. Die Zertifizierung von Cloud-Diensten nach der DSGVO. German. **Datenschutz und Datensicherheit** 43, 225–229. ISSN: 0724-4371, 1614-0702, 1862-2607. doi:10.1007/s11623-019-1097-3 (2019).
40. Nieroda, L., Maas, L., Thiebes, S., Lang, U., Sunyaev, A., Achter, V. & Peifer, M. iRODS metadata management for a cancer genome analysis workflow. **BMC bioinformatics** 20, Art. Nr.: 29. ISSN: 1471-2105. doi:10.1186/s12859-018-2576-5 (2019).
41. Sturm, B. & Sunyaev, A. Design Principles for Systematic Search Systems: A Holistic Synthesis of a Rigorous Multi-cycle Design Science Research Journey. **Business & information systems engineering** 61, 91–111. ISSN: 1867-0202, 2363-7005. doi:10.1007/s12599-018-0569-6 (2019).
42. Sunyaev, A. Eine Einführung in die Distributed Ledger Technology (Blockchain - 'Like a Locked Train'). **SSRN eLibrary / Social Science Research Network**. ISSN: 1556-5068. doi:10.2139/ssrn.3471134 (2019).
43. Benlian, A., Kettinger, W. J., Sunyaev, A. & Winkler, T. J. Special Section: The Transformative Value of Cloud Computing: A Decoupling, Platformization, and Recombination Theoretical Framework. **Journal of management information systems** 35, 719–739. ISSN: 0742-1222, 1557-928X. doi:10.1080/07421222.2018.1481634 (2018).
44. Gao, F., Thiebes, S. & Sunyaev, A. Rethinking the Meaning of Cloud Computing for Healthcare: A Taxonomic Perspective and Future Research Directions. **Journal of medical internet research** 20, e10041. ISSN: 1438-8871. doi:10.2196/10041 (2018).
45. Lansing, J., Benlian, A. & Sunyaev, A. Unblackboxing Decision Makers? Interpretations of IS Certifications in the Context of Cloud Service Certifications. **Journal of the Association for Information Systems** 19, 1064–1096. ISSN: 1536-9323, 1558-3457. doi:10.17705/1jais.00520 (2018).
46. Lins, S., Schneider, S. & Sunyaev, A. Trust is Good, Control is Better: Creating Secure Clouds by Continuous Auditing. **IEEE transactions on cloud computing** 6, 890–903. ISSN: 2168-7161, 2372-0018. doi:10.1109/TCC.2016.2522411 (2018).
47. Schneider, S., Wollersheim, J., Krcmar, H. & Sunyaev, A. How do requirements evolve over time? A case study investigating the role of context and experiences in the evolution of enterprise software requirements. **Journal of information technology** 33, 151–170. ISSN: 0268-3962, 1466-4437. doi:10.1057/s41265-016-0001-y (2018).
48. Lansing, J. & Sunyaev, A. Trust in Cloud Computing: Conceptual Typology and Trust-Building Antecedents. **The database for advances in information systems** 47, 58–96. ISSN: 0095-0033, 1532-0936. doi:10.1145/2963175.2963179 (2016).
49. Lins, S., Grochol, P., Schneider, S. & Sunyaev, A. Dynamic Certification of Cloud Services: Trust, but Verify! **IEEE security & privacy** 14, 66–71. ISSN: 1540-7993, 1558-4046. doi:10.1109/MSP.2016.26 (2016).
50. Schneider, S. & Sunyaev, A. Determinant Factors of Cloud-Sourcing Decisions: Reflecting on the IT Outsourcing Literature in the Era of Cloud Computing. **Journal of information technology** 31, 1–31. ISSN: 0268-3962, 1466-4437. doi:10.1057/jit.2014.25 (2016).
51. Cheung, C. M. K., Mocker, M., Schlagwein, D. & Sunyaev, A. IOS 2.0: new aspects on inter-organizational integration through enterprise 2.0 technologies (Editorial). **Electronic markets** 25, 263–265. ISSN: 1019-6781, 1422-8890. doi:10.1007/s12525-015-0204-z (2015).

52. Dehling, T., Gao, F., Schneider, S. & Sunyaev, A. Exploring the Far Side of Mobile Health: Information Security and Privacy of Mobile Health Apps on iOS and Android. **Journal of medical internet research / Mhealth & uhealth** 3, Art. Nr.: e8. ISSN: 2291-5222. doi:10.2196/mhealth.3672 (2015).
53. Mrosek, R., Dehling, T. & Sunyaev, A. Taxonomy of Health IT and Medication Adherence. **Health policy and technology** 4, 215–224. ISSN: 2211-8837, 2211-8845. doi:10.1016/j.hlpt.2015.04.003 (2015).
54. Schneider, S. & Sunyaev, A. CloudLive: a life cycle framework for cloud services. **Electronic markets** 25, 299–311. ISSN: 1019-6781, 1422-8890. doi:10.1007/s12525-015-0205-y (2015).
55. Sunyaev, A., Dehling, T., Taylor, P. L. & Mandl, K. D. Availability and Quality of Mobile Health App Privacy Policies. **Journal of the American Medical Informatics Association** 22, e28–e33. ISSN: 1067-5027, 1527-974X. doi:10.1136/amiajnl-2013-002605 (2015).
56. Basten, D. & Sunyaev, A. A Systematic Mapping of Factors Affecting Accuracy of Software Development Effort Estimation. **Communications of the Association for Information Systems** 34, 51–86. ISSN: 1529-3181. doi:10.17705/1CAIS.03404 (2014).
57. Dehling, T. & Sunyaev, A. Secure provision of patient-centered health information technology services in public networks—leveraging security and privacy features provided by the German nationwide health information technology infrastructure. **Electronic markets** 24, 89–99. ISSN: 1019-6781, 1422-8890. doi:10.1007/s12525-013-0150-6 (2014).
58. Glowalla, P. & Sunyaev, A. ERP system fit - an explorative task and data quality perspective. **Journal of enterprise information management** 27, 668–686. ISSN: 1741-0398, 1758-7409. doi:10.1108/JEIM-08-2013-0062 (2014).
59. Glowalla, P. & Sunyaev, A. Process-driven data quality management: A critical review on the application of process modeling languages. **Journal of data and information quality** 5, Art. Nr.: 7. ISSN: 1936-1955, 1936-1963. doi:10.1145/2629568 (2014).
60. Poth, A. & Sunyaev, A. Effective Quality Management: Value- and Risk-Based Software Quality Management. **IEEE software** 31, 79–85. ISSN: 0740-7459, 1937-4194. doi:10.1109/MS.2013.138 (2014).
61. Sunyaev, A. Consumer Facing Health Care Systems. **e-Service journal** 9, 1–23. ISSN: 1528-8226, 1528-8234. doi:10.2979/eservicej.9.2.1 (2014).
62. Duennebeil, S., Sunyaev, A., Leimeister, J. M. & Krcmar, H. Modular Architecture of Value-Added Applications for German Healthcare Telematics. **Business & information systems engineering** 5, 3–16. ISSN: 1867-0202, 2363-7005. doi:10.1007/s12599-012-0243-3 (2013).
63. Duennebeil, S., Sunyaev, A., Leimeister, J. M. & Krcmar, H. Modulare Software-Architektur für Mehrwertanwendungen der deutschen Gesundheitstelematik. German. **Wirtschaftsinformatik** 55, 3–18. ISSN: 0937-6429, 1861-8936. doi:10.1007/s11576-012-0345-z (2013).
64. Glowalla, P. & Sunyaev, A. Process-Driven Data Quality Management Through Integration of Data Quality into Existing Process Models. **Business & information systems engineering** 5, 433–448. ISSN: 1867-0202, 2363-7005. doi:10.1007/s12599-013-0297-x (2013).
65. Glowalla, P. & Sunyaev, A. Prozessgetriebenes Datenqualitätsmanagement durch Integration von Datenqualität in bestehende Prozessmodelle. German. **Wirtschaftsinformatik** 55, 435–452. ISSN: 0937-6429, 1861-8936. doi:10.1007/s11576-013-0391-1 (2013).

66. Loebbecke, C., Bienert, J. & Sunyaev, A. A Parallel Platform for Big Data Analytics: A Design Science Approach. **International Journal of Computer Science Engineering and Technology (IJCSET)** 3, 152–156. ISSN: 2231-0711 (2013).
67. Schneider, S., Lansing, J. & Sunyaev, A. Empfehlungen zur Gestaltung von Cloud-Service-Zertifizierungen (Design Recommendations for Cloud Service Certifications). German. **Industrie-Management** 29, 13–17. ISSN: 1434-1980 (2013).
68. Sunyaev, A. Consumer Health-Care Information Technology. German. **Das Gesundheitswesen** 75, 400–402. ISSN: 0941-3790, 0949-7013, 1439-4421, 1615-5602. doi:10.1055/s-0033-1343445 (2013).
69. Sunyaev, A. Evaluation of Microsoft HealthVault and Google Health personal health records. **Health and Technology** 3, 3–10. ISSN: 2190-7188, 2190-7196. doi:10.1007/s12553-013-0049-4 (2013).
70. Sunyaev, A. & Schneider, S. Cloud Services Certification. **Communications of the ACM** 56, 33–36. ISSN: 0001-0782, 1557-7317. doi:10.1145/2408776.2408789 (2013).
71. Duennebeil, S., Sunyaev, A., Blohm, I., Leimeister, J. M. & Krcmar, H. Determinants of Physicians? Technology Acceptance for e-health in Ambulatory Care. **International Journal of Medical Informatics (IJMI)** 81, 746–760. ISSN: 1386-5056. doi:10.1016/j.ijmedinf.2012.02.002 (2012).
72. Glowalla, P. & Sunyaev, A. A Process Management Perspective on Future ERP System Development in the Financial Service Sector. **AIS Transactions on Enterprise Systems (AIS-TES)** 3, 18–27. ISSN: 1867-7134 (2012).
73. Stein, F., Schneider, S. & Sunyaev, A. ITIL als Grundlage zur Zertifizierung von Cloud-Services und -Anbietern. German. **HMD** 49, 33–41. ISSN: 1436-3011. doi:10.1007/BF03340755 (2012).
74. Sunyaev, A. & Chorny, D. Supporting Chronic Disease Care Quality: Design and Implementation of a Health Service and Its Integration with Electronic Health Records. **Journal of data and information quality** 3, Art. Nr.: 3. ISSN: 1936-1955, 1936-1963. doi:10.1145/2184442.2184443 (2012).
75. Sunyaev, A., Kaletsch, A. & Krcmar, H. Erfassung, analyse und bewertung von domainnamen: Modellansatz und prototypische Umsetzung [Registration, analysis and evaluation of domain names: Model approach and prototypical implementation]. German. **Informatik-Spektrum** 35, 3–11. ISSN: 0170-6012, 1432-122X. doi:10.1007/s00287-010-0484-9 (2012).
76. Sunyaev, A. & Pflug, J. Risk Evaluation and Security Analysis of the Clinical Area Within the German Electronic Health Information System. **Health and Technology** 2, 123–135. ISSN: 2190-7188, 2190-7196. doi:10.1007/s12553-012-0016-5 (2012).
77. Basten, D. & Sunyaev, A. Guidelines for Software Development Effort Estimation. **Computer** 44, 88–90. ISSN: 0018-9162, 1558-0814. doi:10.1109/MC.2011.315 (2011).
78. Sunyaev, A. & Knipl, S. Elektronische Gesundheitskarte: Sicherheitsbetrachtung der deutschen Telematikinfrastruktur. German. **HMD** 48, 80–88. ISSN: 1436-3011. doi:10.1007/BF03340627 (2011).
79. Sunyaev, A. & Swoboda, W. Patientenzentriertes Gesundheitswesen - Beispiel: verbrauchergeführte elektronische Patientenakte. German. **Krankenhaus-IT-Journal**, 38–39. ISSN: 1619-0629, 1860-3157 (2011).

80. Vattig, R., Retzlaff, M., Swoboda, W. & Sunyaev, A. Grundschatz im Klinikum - Praxisbericht zum Einsatz von IT-Grundschatz an einem bayerischen Universitätsklinikum. German. **<kes>-Die Zeitschrift für Informationssicherheit**, 70–74 (2011).
81. Sunyaev, A., Leimeister, J. M. & Krcmar, H. Telematik im Gesundheitswesen: Sichere Autobahn mit unsicheren Auffahrten-Sicherheitsbetrachtungen der deutschen Gesundheitstelematik. German. **Krankenhaus-IT-Journal**, 46–47. ISSN: 1619-0629, 1860-3157 (2009).
82. Mauro, C., Leimeister, J. M., Sunyaev, A. & Krcmar, H. Zentrale Verwaltung von Gesundheitskarten im stationären Krankenhausumfeld ? Das IQ-Medi-LOG-Produkt als Alternative zu gematik-Konzepten. German. **Wirtschaftsinformatik** 50, 489–499. ISSN: 0937-6429, 1861-8936. doi:10.1007/s11576-008-0133-y (2008).
83. Schweiger, A., Sunyaev, A., Leimeister, J. M. & Krcmar, H. Information Systems and Healthcare XX: Toward Seamless Healthcare with Software Agents. **Communications of the Association for Information Systems** 19, 692–709. ISSN: 1529-3181. doi:10.17705/1CAIS.01933 (2007).
84. Sunyaev, A., Leimeister, J. M., Schweiger, A. & Krcmar, H. Integrationsarchitekturen für das Krankenhaus Status quo und Zukunftsperspektiven. German. **IM** 21, 28–35. ISSN: 1616-1017, 0930-5181 (2006).

Conference Papers

1. Kirchner-Krath, J., Schmidt-Kraepelin, M., Schöbel, S., Ulrich, M., Sunyaev, A. & von Korflesch, H. F. O. *Outplay Your Weaker Self: A Mixed-Methods Study on Gamification to Overcome Procrastination in Academia in Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI 2024)* ACM Conference on Human Factors in Computing Systems (CHI)Oahu, Hawaii, USA, May 11–16, 2024. in press (IAssociation for Computing Machinery (ACM), 2024).
2. Leiser, F., Eckhardt, S., Leuthe, V., Knaeble, M., Maedche, A., Schwabe, G. & Sunyaev, A. *HILL: A Hallucination Identifier for Large Language Models in Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI 2024)* ACM Conference on Human Factors in Computing Systems (CHI)Oahu, Hawaii, USA, May 11–16, 2024. in press (IAssociation for Computing Machinery (ACM), 2024).
3. Leiser, F., Hasse, F. & Sunyaev, A. *Informed machine learning for cardiomegaly detection in chest X-rays: a comparative study in Proceedings of the 21st IEEE International Symposium on Biomedical Imaging (ISBI 2024)* 21st IEEE International Symposium on Biomedical ImagingAthens, Griechenland, May 27–30, 2024. in press (Institute of Electrical and Electronics Engineers (IEEE), 2024).
4. Schmidt-Kraepelin, M., Ben Ayed, M., Warsinsky, S. L., Hu, S., Thiebes, S. & Sunyaev, A. *Leaderboards in Gamified Information Systems for Health Behavior Change: The Role of Positioning, Psychological Needs, and Gamification User Types in Proceedings of the 57th Hawaii International Conference on System Sciences, Honolulu, HI, 3rd - 6th January 2024* 57th Hawaii International Conference on System SciencesHonolulu, HI, USA, Jan. 3–6, 2024 (University of Hawaii, 2024), 3444–3453. ISBN: 978-0-9981331-7-1.
5. Toussaint, P. A., Warsinsky, S. L., Schmidt-Kraepelin, M., Thiebes, S. & Sunyaev, A. *Designing Gamification Concepts for Expert Explainable Artificial Intelligence Evaluation Tasks: A Problem Space Exploration in Proceedings of the 57th Hawaii International Conference on System Sciences, Honolulu, HI, 3rd - 6th January 2024* 57th Hawaii International Conference on System SciencesHonolulu, HI, USA, Jan. 3–6, 2024 (ScholarSpace, 2024), 1338–1347. ISBN: 978-0-9981331-7-1.

6. Blume, M., Lins, S. & Sunyaev, A. *Uncovering Effective Roles and Tasks for Fog Systems in Service-Oriented and Cloud Computing – 10th IFIP WG 6.12 European Conference, ESOC 2023, Larnaca, Cyprus, October 24–25, 2023, Proceedings*. Ed.: G. Papadopoulos 10th European Conference on Service-Oriented and Cloud Computing Larnaca, Zypern, Oct. 24–25, 2023. **14183** (Springer Nature Switzerland AG, 2023), 119–135. ISBN: 978-3-031-46235-1. doi:10.1007/978-3-031-46235-1_8.
7. Bodynek, M., Leiser, F., Thiebes, S. & Sunyaev, A. *Applying Random Forests in Federated Learning: A Synthesis of Aggregation Techniques in Wirtschaftsinformatik 2023 Proceedings* 18. Internationale Tagung Wirtschaftsinformatik Paderborn, Deutschland, Sept. 18–21, 2023. in press (2023).
8. Brecker, K., Lins, S. & Sunyaev, A. *Why it Remains Challenging to Assess Artificial Intelligence in Proceedings of the 56th Annual Hawaii International Conference on System Sciences : January 3-6, 2023* 56th Hawaii International Conference on System Sciences Maui, Hawaii, Jan. 3–6, 2023 (University of Hawaii, 2023), 5242–5251. ISBN: 978-0-9981331-6-4.
9. Fürstenau, D., Thiebes, S., Witte, A.-K. & Sunyaev, A. *Data Platforms and Ecosystems in Healthcare in Proceedings of the 56th Annual Hawaii International Conference on System Sciences : January 3-6, 2023* 56th Hawaii International Conference on System Sciences Maui, Hawaii, Jan. 3–6, 2023 (IEEE Computer Society, 2023), 2797–2798. ISBN: 978-0-9981331-6-4.
10. Hu, S., Usta, A., Schmidt-Kraepelin, M., Warsinsky, S., Thiebes, S. & Sunyaev, A. *Be Mindful of User Preferences: An Explorative Study on Game Design Elements in Mindfulness Applications in Proceedings of the 56th Annual Hawaii International Conference on System Sciences : January 3-6, 2023* 56th Hawaii International Conference on System Sciences Maui, Hawaii, Jan. 3–6, 2023 (University of Hawaii, 2023), 1116–1125. ISBN: 978-0-9981331-6-4.
11. Leiser, F., Eckhardt, S., Knaeble, M., Mädche, A., Schwabe, G. & Sunyaev, A. *From ChatGPT to FactGPT: A Participatory Design Study to Mitigate the Effects of Large Language Model Hallucinations on Users in Mensch und Computer 2023* Mensch und Computer Rapperswil SG, Schweiz, Sept. 3–6, 2023. in press (Association for Computing Machinery (ACM), 2023), 81–90.
12. Leiser, F., Warsinsky, S., Daum, M., Schmidt-Kraepelin, M., Thiebes, S., Wagner, M. & Sunyaev, A. *Understanding the Role of Expert Intuition in Medical Image Annotation: A Cognitive Task Analysis Approach in Proceedings of the 56th Hawaii International Conference on System Sciences (HICSS 2023)*. Ed.: T.X. Bui 56th Hawaii International Conference on System Sciences Maui, Hawaii, Jan. 3–6, 2023 (2023), 2850–2859. ISBN: 978-0-9981331-6-4.
13. Leiser, F., Warsinsky, S. L., Schmidt-Kraepelin, M., Thiebes, S. & Sunyaev, A. *How Experts Rely on Intuition in Medical Image Annotation – A Study Proposal in Proceedings NeuroIS Retreat 2023 Vienna, Austria | May 30 - June 1*. Ed.: F. Davis NeuroIS Retreat Wien, Österreich, May 30–June 1, 2023 (Springer, 2023), 245–253.
14. Renner, M., Lins, S., Söllner, M., Jarvenpaa, S. L. & Sunyaev, A. *Artificial Intelligence-Driven Convergence and its Moderating Effect on Multi-Source Trust Transfer in Proceedings of the 56th Annual Hawaii International Conference on System Sciences : January 3-6, 2023*. Ed.: T. Bui 56th Hawaii International Conference on System Sciences Maui, Hawaii, Jan. 3–6, 2023 (University of Hawaii, 2023), 5208–5217. ISBN: 978-0-9981331-6-4.

15. Schmidt-Kraepelin, M., Thiebes, S., Warsinsky, S. L., Petter, S. & Sunyaev, A. *Narrative Transportation in Gamified Information Systems: The Role of Narrative-Task Congruence in Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems* Conference on Human Factors in Computing Systems Hamburg, Deutschland, Apr. 23–28, 2023 (Association for Computing Machinery (ACM), 2023), 1–9. ISBN: 978-1-4503-9422-2. doi:10.1145/3544549.3585595.
16. Bartsch, J., Dehling, T., Lauf, F., Meister, S. & Sunyaev, A. *Let the Computer Say NO! The Neglected Potential of Policy Definition Languages for Data Sovereignty in Selbstbestimmung, Privatheit und Datenschutz – Gestaltungsoptionen für einen europäischen Weg*. Hrsg.: M. Friedewald Forum PrivatheitOnline, Nov. 12–13, 2020 (Springer Fachmedien Wiesbaden, 2022), 449–468. ISBN: 978-3-658-33306-5. doi:10.1007/978-3-658-33306-5_22.
17. Blume, M., Lins, S. & Sunyaev, A. *Understanding Interdependencies among Fog System Characteristics* in *2022 IEEE 24th Conference on Business Informatics (CBI), Amsterdam, Netherlands, 15-17 June 2022* 24th IEEE Conference on Business Informatics Amsterdam, Niederlande, June 15–17, 2022 (Institute of Electrical and Electronics Engineers (IEEE), 2022), 126–135. ISBN: 978-1-6654-6038-5. doi:10.1109/CBI54897.2022.00021.
18. Danylak, P., Lins, S., Greulich, M. & Sunyaev, A. *Toward a Unified Framework for Information Systems Certification Internalization* in *24th IEEE Conference on Business Informatics (IEEE CBI 2022), 15th-17th June 2022* 24th IEEE Conference on Business Informatics Amsterdam, Niederlande, June 15–17, 2022 (Institute of Electrical and Electronics Engineers (IEEE), 2022), 186–195. doi:10.1109/CBI54897.2022.00027.
19. Danylak, P., Lins, S., Hsu, C. & Sunyaev, A. *Making Sense of Certification Internalization: A Process Model for Implementing Information Security and Data Protection Certifications* in *Proceedings of the 17th Pre-ICIS Workshop on Information Security and Privacy (WISP 2022)* 17th Pre-ICIS Workshop on Information Security and Privacy Kopenhagen, Dänemark, Dec. 11, 2022–. in press (2022), 1855-1 - 1855–20.
20. Guse, R., Thiebes, S., Hennel, P., Rosenkranz, C. & Sunyaev, A. *How Do Employees Perceive Digital Transformation and its Effects? A Theory of the Smart Machine Perspective* in *Proceedings of the 43rd International Conference on Information Systems (ICIS), Association for Information Systems (AIS), 9th - 14th December 2022, Copenhagen, Denmark* 43rd International Conference on Information Systems Kopenhagen, Dänemark, Dec. 9–14, 2022. Veröffentlichung findet erst im Dezember 2022 statt. Weitere Informationen (z.B. ISBN usw.) werden nachgetragen. (Association for Information Systems (AIS), 2022).
21. Jin, D., Kannengießer, N., Sturm, B. & Sunyaev, A. *Tackling Challenges of Robustness Measures for Autonomous Agent Collaboration in Open Multi-Agent Systems* in *Proceedings of the 55th Hawaii International Conference on System Sciences (HICSS), Maui, Hawaii, 03.01.2022-07.01.2022* 55th Hawaii International Conference on System Sciences Online, Jan. 3–7, 2022. 46.23.03; LK 01 (2022), 7585–7594. ISBN: 978-0-9981331-5-7. doi:10.24251/HICSS.2022.911.
22. Leinweber, M., Kannengießer, N., Hartenstein, H. & Sunyaev, A. *Leveraging Distributed Ledger Technology for Decentralized Mobility-as-a-Service Ticket Systems* in *Towards the New Normal in Mobility : Technische und betriebswirtschaftliche Aspekte*. Hrsg.: H. Proff 14. Wissenschaftsforum Mobilität "Towards the New Normal in Mobility" Duisburg, Deutschland, June 23, 2022–. 46.23.03; LK 01 (Springer Fachmedien Wiesbaden, 2022), 547–567. ISBN: 978-3-658-39437-0. doi:10.1007/978-3-658-39438-7_32.

23. Ohagen, P., Lins, S., Thiebes, S. & Sunyaev, A. *Using ChatOps to Achieve Continuous Certification of Cloud Services* in *55th Hawaii International Conference on System Sciences (HICSS)* 55th Hawaii International Conference on System SciencesOnline, Jan. 3–7, 2022 (2022).
24. Renner, M., Lins, S., Söllner, M., Thiebes, S. & Sunyaev, A. *Understanding the Necessary Conditions of Multi-Source Trust Transfer in Artificial Intelligence* in *55th Hawaii International Conference on System Sciences (HICSS)* 55th Hawaii International Conference on System SciencesOnline, Jan. 3–7, 2022 (IEEE Computer Society, 2022), 5901–5910. ISBN: 978-0-9981331-5-7. doi:10.125/80057.
25. Schmidt-Kraepelin, M., Warsinsky, S., Thiebes, S. & Sunyaev, A. *Conceptualizing Narratives in Gamified Information Systems* in *Proceedings of the 55th Hawaii International Conference on System Sciences* 55th Hawaii International Conference on System SciencesOnline, Jan. 3–7, 2022 (2022), 1584–1593. ISBN: 9780998133157. doi:10.24251/HICSS.2022.197.
26. Warsinsky, S., Schmidt-Kraepelin, M., Thiebes, S., Wagner, M. & Sunyaev, A. *Gamified Expert Annotation Systems: Meta-Requirements and Tentative Design* in *The Transdisciplinary Reach of Design Science Research – 17th International Conference on Design Science Research in Information Systems and Technology, DESRIST 2022, St Petersburg, FL, USA, June 1–3, 2022, Proceedings*. Ed.: A. Drechsler 17th International Conference on Design Science Research in Information Systems and TechnologySaint Petersburg, FL, USA, June 1–3, 2022. **13229** (Springer International Publishing, 2022), 154–166. ISBN: 978-3-031-06515-6. doi:10.1007/978-3-031-06516-3_12.
27. Gojka, E.-E., Kannengießer, N., Sturm, B., Bartsch, J. & Sunyaev, A. *Security in Distributed Ledger Technology: An Analysis of Vulnerabilities and Attack Vectors* in *Intelligent Computing: Proceedings of the 2021 Computing Conference, Volume 3*. Ed.: K. Arai Computing Conference 2021London, Vereinigtes Königreich, July 15–16, 2021. **285**. 46.23.01; LK 01; hybride Konferenz (Springer, 2021), 722–742. ISBN: 978-3-030-80129-8. doi:10.1007/978-3-030-80129-8_50.
28. Heines, R., Kannengießer, N., Sturm, B., Jung, R. & Sunyaev, A. *Need for Change: Business Functions Affected by the Use of Decentralized Information Systems* in *42nd International Conference on Information Systems (ICIS)* 42nd International Conference on Information SystemsAustin, TX, USA, Dec. 12–15, 2021. 46.23.01; LK 01 (Association for Information Systems (AIS), 2021).
29. Morsbach, F., Dehling, T. & Sunyaev, A. *Architecture Matters: Investigating the Influence of Differential Privacy on Neural Network Design* in *Presented at NeurIPS 2021 Workshop on Privacy in Machine Learning (PriML 2021)*, 14.12.2021 46.23.01; LK 01 (2021). doi:10.48550/arXiv.2111.14924.
30. Pandl, K. D., Feiland, F., Thiebes, S. & Sunyaev, A. *Trustworthy machine learning for health care: scalable data valuation with the shapley value* in *CHIL '21: Proceedings of the Conference on Health, Inference, and Learning, April, 2021*. Ed.: M. Ghassemi ACM Conference on Health, Inference, and LearningOnline, Apr. 8–9, 2021 (Association for Computing Machinery (ACM), 2021), 47–57. ISBN: 978-1-4503-8359-2. doi:10.1145/3450439.3451861.
31. Pandl, K. D., Teigeler, H., Lins, S., Thiebes, S. & Sunyaev, A. *Drivers and Inhibitors for Organizations' Intention to Adopt Artificial Intelligence as a Service* in *Proceedings of the 54th Hawaii International Conference on System Sciences (HICSS)* 54th Hawaii International Conference on System SciencesOnline, Jan. 5–8, 2021 (2021). doi:10.24251/HICSS.2021.215.

32. Rädtsch, T., Eckhardt, S., Leiser, F., Pandl, K. D., Thiebes, S. & Sunyaev, A. *What Your Radiologist Might be Missing: Using Machine Learning to Identify Mislabeled Instances of X-ray Images in Proceedings of the 54th Hawaii International Conference on System Sciences (HICSS) 54th Hawaii International Conference on System SciencesOnline*, Jan. 5–8, 2021 (2021).
33. Renner, M., Lins, S., Söllner, M., Thiebes, S. & Sunyaev, A. *Achieving Trustworthy Artificial Intelligence: Multi-Source Trust Transfer in Artificial Intelligence-capable Technology in Building Sustainability and Resilience with IS: A Call for Action : ICIS 2021 proceedings ; 42nd International Conference on Information Systems (ICIS) 42nd International Conference on Information SystemsAustin, TX, USA, Dec. 12–15, 2021 (AIS eLibrary (AISel), 2021). ISBN: 978-1-7336325-9-1.*
34. Renner, M., Lins, S. & Sunyaev, A. *A Taxonomy of IS Certification's Characteristics in ICIEB'21: 2021 2nd International Conference on Internet and E-Business Barcelona Spain June 9 - 11, 2021 2nd International Conference on Internet and E-BusinessBarcelona, Spanien, June 9–11, 2021 (Association for Computing Machinery (ACM), 2021). ISBN: 978-1-4503-9021-7. doi:10.1145/3471988.3471989.*
35. Warsinsky, S., Schmidt-Kraepelin, M., Thiebes, S. & Sunyaev, A. *Are Gamification Projects Different? An Exploratory Study on Software Project Risks for Gamified Health Behavior Change Support Systems in Proceedings of the 54th Hawaii International Conference on System Sciences, 2021 54th Hawaii International Conference on System SciencesOnline*, Jan. 5–8, 2021 (University of Hawai'i at Manoa / Hamilton Library, 2021), 1305–1314. ISBN: 978-0-9981331-4-0. doi:10.24251/HICSS.2021.159.
36. Yari, I. A., Dehling, T., Kluge, F., Eskofier, B. & Sunyaev, A. *Online at Will: A Novel Protocol for Mutual Authentication in Peer-to-Peer Networks for Patient-Centered Health Care Information Systems in Proceedings of the 54th Hawaii International Conference on System Sciences (HICSS 2021) 54th Hawaii International Conference on System SciencesOnline*, Jan. 5–8, 2021. Die Veranstaltung findet wegen der Corona-Pandemie als Online-Event statt (2021).
37. Adam, M., Niehage, L., Lins, S., Benlian, A. & Sunyaev, A. *Stumbling over the Trust Tipping Point – The Effectiveness of Web Seals at Different Levels of Website Trustworthiness in Proceedings of the 28th European Conference on Information Systems (ECIS). Online Conference, June 15-17, 2020. 28th European Conference on Information SystemsOnline*, June 15–17, 2020 (2020).
38. Bartsch, J., Dehling, T., Lauf, F., Meister, S. & Sunyaev, A. *Let the Computer Say NO! The Neglected Potential of Policy Definition Languages for Data Sovereignty in Proceedings Forum Privatheit Forum PrivatheitOnline*, Nov. 12–13, 2020. Die Veranstaltung findet wegen der Corona-Pandemie als Online-Event statt (2020). doi:10.13140/RG.2.2.19673.54885.
39. Fallon, M., Schmidt-Kraepelin, M., Warsinsky, S., Thiebes, S. & Sunyaev, A. *Social Comparison in mHealth: The Role of Similar Others and Feelings of Envy in Proceedings of the 51st International Conference on Information Systems (ICIS2020), December 13-16, 2020 (virtual conference) 41st International Conference on Information SystemsOnline*, Dec. 13–16, 2020 (2020).
40. Goram, M., Veiel, D., Dehling, T. & Sunyaev, A. *What Users Really Want to Know from Privacy Notices: A Comparison of Approaches for Personalized Privacy Information Provision in Proceedings Forum Privatheit Forum PrivatheitOnline*, Nov. 12–13, 2020. Die Veranstaltung findet wegen der Corona-Pandemie als Online-Event statt (2020).
41. Gräbe, F., Kannengießer, N., Lins, S. & Sunyaev, A. *Do Not Be Fooled: Toward a Holistic Comparison of Distributed Ledger Technology Designs in Hawaii International Conference on System Sciences 2020, Maui, Hawaii, January 7 - 10, 2020 53rd Hawaii International Conference on System SciencesGrand Wailea, Maui, Hawaii, Jan. 7–10, 2020 (ScholarSpace, 2020). ISBN: 978-0-9981331-3-3. doi:10.24251/HICSS.2020.770.*

42. Greulich, M., Lins, S., Pienta, D., Thatcher, J. & Sunyaev, A. *Toward Conceptualizing Perplexity in Cybersecurity: An Exploratory Study* in *Proceedings of the Pre-ICIS Workshop on Information Security and Privacy (WISP 2020)* 15th Pre-ICIS Workshop on Information Security and Privacy-Online, Dec. 12, 2020– (AIS eLibrary (AISeL), 2020).
43. Greulich, M., Lins, S. & Sunyaev, A. *Toward Uncovering Patterns of Certification Internalization* in *Proceedings of the 41th International Conference on Information Systems (ICIS 2020)* 41st International Conference on Information SystemsOnline, Dec. 13–16, 2020. Die Veranstaltung fand wegen der Corona-Pandemie als Online-Event statt (Association for Information Systems (AIS), 2020). ISBN: 978-173363255-3.
44. Kannengießer, N., Lins, S. & Sunyaev, A. *Uncertainties toward permissioned distributed ledgers: a multi-actor uncertainty conceptualization* in *Proceedings of the 28th European Conference on Information Systems (ECIS) 2020* 28th European Conference on Information SystemsOnline, June 15–17, 2020 (AIS eLibrary (AISeL), 2020).
45. Kannengießer, N., Pfister, M., Greulich, M., Lins, S. & Sunyaev, A. *Bridges Between Islands: Cross-Chain Technology for Distributed Ledger Technology* in *Hawaii International Conference on System Sciences 2020, Maui, Hawaii, January 7 - 10, 2020* 53rd Hawaii International Conference on System SciencesGrand Wailea, Maui, Hawaii, Jan. 7–10, 2020 (ScholarSpace, 2020). ISBN: 978-0-9981331-3-3. doi:10.24251/HICSS.2020.652.
46. Renner, M., Münzenberger, N., von Hammerstein, J., Lins, S. & Sunyaev, A. *Challenges of Vehicle-to-Everything Communication. Interviews among Industry Experts* in *15th International Conference on Wirtschaftsinformatik (WI2020), Potsdam, 08.-11. März 2020* 15th Internationale Tagung WirtschaftsinformatikPotsdam, Deutschland, Mar. 9–11, 2020 (GITO Verlag, 2020), 1831–1843. ISBN: 978-3-9554533-5-0. doi:10.30844/wi_2020_r12-renner.
47. Schmidt-Kraepelin, M., Warsinsky, S., Thiebes, S. & Sunyaev, A. *The Role of Gamification in Health Behavior Change: A Review of Theory-driven Studies* in *Proceedings of the 53rd Hawaii International Conference on System Sciences (HICSS 2020), Maui, Hawaii* 53rd Hawaii International Conference on System SciencesGrand Wailea, Maui, Hawaii, Jan. 7–10, 2020 (2020).
48. Smetanin, S., Ometov, A., Kannengießer, N., Sturm, B., Komarov, M. & Sunyaev, A. *Modeling of Distributed Ledgers: Challenges and Future Perspectives* in *Proceedings 2020 IEEE 22nd Conference on Business Informatics (CBI 2020): Antwerp, Belgium, 22-24 June 2020. Volume 2 - Research-in-Progress and Workshop Papers. Ed.: W. Guédria* 22nd IEEE Conference on Business InformaticsAntwerpen, Belgien, June 22–24, 2020 (Institute of Electrical and Electronics Engineers (IEEE), 2020), 162–171. ISBN: 978-1-72819-926-9. doi:10.1109/CBI49978.2020.00025.
49. Thiebes, S., Kannengießer, N., Schmidt-Kraepelin, M. & Sunyaev, A. *Beyond Data Markets: Opportunities and Challenges for Distributed Ledger Technology in Genomics* in *Proceedings of the 53rd Hawaii International Conference on System Sciences (HICSS 2020), Maui, Hawaii* 53rd Hawaii International Conference on System SciencesGrand Wailea, Maui, Hawaii, Jan. 7–10, 2020 (ScholarSpace, 2020), 3275–3284. ISBN: 978-0-9981331-3-3. doi:10.24251/HICSS.2020.400.
50. Beyene, M., Thiebes, S. & Sunyaev, A. *A Cost and Time Efficient Approach for Storing and Querying Genomic Data in Ethereum Smart Contracts* in *Proceedings of the iDash Privacy & Security Workshop* iDash Privacy & Security WorkshopBloomington, IN, USA, Oct. 26, 2019– (2019).

51. Beyene, M., Thiebes, S. & Sunyaev, A. *Multi-Stakeholder Consent Management in Genetic Testing: A Blockchain-Based Approach* in *Proceedings of the Pre-ICIS SIGBPS 2019 Workshop on Blockchain and Smart Contracts* Pre-ICIS SIGBPS Workshop on Blockchain and Smart Contract-München, Deutschland, Dec. 15, 2019– (2019).
52. Brüggemann, T., Dehling, T. & Sunyaev, A. *No Risk, More Fun! Automating Breach of Confidentiality Risk Assessment for Android Mobile Health Applications* in *Proceedings of the 52nd Annual Hawaii International Conference on System Sciences : January 8-11, 2019, Maui, Hawaii. Ed.: Tung X. Bui* 52nd Hawaii International Conference on System Sciences Wailea, HI, USA, Jan. 8–11, 2019 (University of Hawaii at Manoa, Hamilton Library, ScholarSpace, 2019), 4266–4275. ISBN: 978-0-9981331-2-6. doi:10.24251/HICSS.2019.515.
53. Dehling, T., Zhang, Y. & Sunyaev, A. *Consumer Perceptions of Online Behavioral Advertising in 2019 IEEE 21st Conference on Business Informatics (CBI), Moscow, Russia, 15-17 July 2019* (Institute of Electrical and Electronics Engineers (IEEE), 2019), 345–354. ISBN: 978-1-7281-0651-9. doi:10.1109/CBI.2019.00046.
54. Dubovitskaya, A., Novotny, P., Thiebes, S., Sunyaev, A., Schumacher, M., Xu, Z. & Wang, F. *Intelligent Health Care Data Management Using Blockchain: Current Limitation and Future Research Agenda* in *Heterogeneous data management, polystores, and analytics for healthcare : VLDB 2019 Workshops, Poly and DMAH, Los Angeles, CA, USA, August 30, 2019. Ed.: V.Gadepally 11721* (Springer, 2019), 277–288. ISBN: 978-3-030-33751-3.
55. Gao, F., Briggs, R. O., Thiebes, S. & Sunyaev, A. *Multi-Organizational Multi-Stakeholder Collaboration Systems: An Exploratory Research Study of Design Concerns in Healthcare* in *52nd Hawaii International Conference on System Sciences* (Institute of Electrical and Electronics Engineers (IEEE), 2019).
56. Greulich, M., Lins, S. & Sunyaev, A. *From Data to Insights: Leveraging Monitoring Data for Achieving Continuous Certification of Cloud Services* in *Proceedings of the 27th European Conference on Information Systems (ECIS), Stockholm & Uppsala, Sweden, June 8-14, 2019* 27th European Conference on Information Systems Stockholm/Uppsala, June 8–14, 2019 (2019). ISBN: 978-1-73363-250-8.
57. Kannengießer, N., Lins, S., Dehling, T. & Sunyaev, A. *What Does Not Fit Can be Made to Fit! Trade-Offs in Distributed Ledger Technology Designs* in *Proceedings of the 52nd Annual Hawaii International Conference on System Sciences : January 8-11, 2019, Maui, Hawaii. Ed.: Tung X. Bui* 52nd Hawaii International Conference on System Sciences Wailea, HI, USA, Jan. 8–11, 2019 (University of Hawaii at Manoa, Hamilton Library, ScholarSpace, 2019), 7069–7078. ISBN: 978-0-9981331-2-6. doi:10.24251/HICSS.2019.848.
58. Labazova, O., Dehling, T. & Sunyaev, A. *From Hype to Reality: A Taxonomy of Blockchain Applications* in *Proceedings of the 52nd Annual Hawaii International Conference on System Sciences : January 8-11, 2019, Maui, Hawaii. Ed.: Tung X. Bui* 52nd Hawaii International Conference on System Sciences Wailea, HI, USA, Jan. 8–11, 2019 (University of Hawaii at Manoa, Hamilton Library, ScholarSpace, 2019), 4555–4564. ISBN: 978-0-9981331-2-6. doi:10.24251/HICSS.2019.552.
59. Ladewig, S., Lins, S. & Sunyaev, A. *Are We Ready to Play in the Cloud? Developing new Quality Certifications to Tackle Challenges of Cloud Gaming Services* in *2019 IEEE 21st Conference on Business Informatics (CBI), Moscow, Russia, Russia, 15-17 July 2019* (Institute of Electrical and Electronics Engineers (IEEE), 2019), 231–240. ISBN: 978-1-7281-0651-9. doi:10.1109/CBI.2019.00033.

60. Lamberti, R., Fries, C., Lücking, M., Manke, R., Kannengießer, N., Sturm, B., Komarov, M. M., Stork, W. & Sunyaev, A. *An Open Multimodal Mobility Platform Based on Distributed Ledger Technology in Internet of Things, Smart Spaces, and Next Generation Networks and Systems: 19th International Conference, NEW2AN 2019, and 12th Conference, ruSMART 2019, St. Petersburg, Russia, August 26-28, 2019, Proceedings*. Ed.: O. Galinina International Conference on Next Generation Wired/Wireless Networking, and Conference on Internet of Things and Smart Spaces Sankt Petersburg, Russland, Aug. 26–28, 2019. **11660** (Springer, 2019), 41–52. ISBN: 978-3-030-30858-2. doi:10.1007/978-3-030-30859-9_4.
61. Schmidt-Kraepelin, M., Thiebes, S., Schöbel, S. & Sunyaev, A. *Users' game design element preferences in health behavior change support systems for physical activity: A best-worst-scaling approach* in *Proceedings of the 40th International Conference on Information Systems, ICIS 2019, Munich, Germany, December 15-18, 2019* 40th International Conference on Information Systems München, Deutschland, Dec. 15–18, 2019 (Association for Information Systems (AIS), 2019), Paper 2576. ISBN: 978-0-9966831-9-7.
62. Schmidt-Kraepelin, M., Thiebes, S., Stepanovic, S., Mettler, T. & Sunyaev, A. *Gamification in Health Behavior Change Support Systems - A Synthesis of Unintended Side Effects* in *Wirtschaftsinformatik 2019 Proceedings* 14. Internationale Tagung Wirtschaftsinformatik Siegen, Deutschland, Feb. 23–27, 2019 (2019), 1032–1046.
63. Schmidt-Kraepelin, M., Thiebes, S. & Sunyaev, A. *Investigating the Relationship Between User Ratings and Gamification ? A Review of mHealth Apps in the Apple App Store and Google Play Store* in *52nd Hawaii International Conference on System Sciences* (Institute of Electrical and Electronics Engineers (IEEE), 2019).
64. Stepanovic, S., Mettler, T., Schmidt-Kraepelin, M., Thiebes, S. & Sunyaev, A. *Wearable health devices in the workplace: The importance of habits to sustain the use* in *Proceedings of the 21st IEEE Conference on Business Informatics (CBI 2019), Moskva, Russia, July 15-17, 2019* 21th IEEE Conference on Business Informatics Moskau, Russland, July 15–17, 2019 (Institute of Electrical and Electronics Engineers (IEEE), 2019), 363–372. ISBN: 978-1-7281-0650-2. doi:10.1109/CBI.2019.00048.
65. Sturm, B. & Sunyaev, A. *A Good Beginning Makes a Good Ending: Incipient Sources of Knowledge in Design Science Research* in *ICIS 2019 Proceedings - 40th International Conference on Information Systems (ICIS 2019) : Munich, Germany, 15-18 December 2019*. Ed.: H. Krcmar 40th International Conference on Information Systems München, Deutschland, Dec. 15–18, 2019 (2019), 1–17. ISBN: 978-0-9966831-9-7.
66. Teigeler, H., Lins, S. & Sunyaev, A. *Technology-Push or Market-Pull – What Drives Certification Authorities to Perform Continuous Service Certification?* in *ECIS 2019 proceedings . 27th European Conference on Information Systems (ECIS), Stockholm & Uppsala, Sweden, June 8-14, 2019. Research Papers* 27th European Conference on Information Systems Stockholm/Uppsala, June 8–14, 2019 (AIS eLibrary (AISeL), 2019). ISBN: 978-1-73363-250-8.
67. Grube, A., Dehling, T., Klein, K. & Sunyaev, A. *Promoting Use of Patient-Centered Health IT: Assessment and Ranking of Incentive Mechanisms* in *Proceedings of the 51th Hawaii International Conference on System Sciences (HICSS 2018)* (HICSS, 2018), 3207–3216. ISBN: 978-0-9981331-1-9. doi:10.24251/HICSS.2018.405.

68. Kromat, T., Dehling, T., Haux, R., Sick, B., Tomforde, S., Wolf, K.-H. & Sunyaev, A. *Gestaltungsraum für proaktive Smart Homes zur Gesundheitsförderung* German. in *Multikonferenz Wirtschaftsinformatik, MKWI 2018 - Multiconference on Business Informatics, MKWI 2018; Leuphana Universität Lüneburg, Lüneburg; Germany; 6 March 2018 through 9 March 2018* (Leuphana Universität, 2018), 695–707. ISBN: 978-393578672-0.
69. Putz, L.-M., Schmidt-Kraepelin, M., Treiblmaier, H. & Sunyaev, A. *The influence of gamified workshops on students' knowledge retention in CEUR workshop proceedings 2186* (RWTH Aachen, 2018), 40–47.
70. Schmidt-Kraepelin, M., Thiebes, S., Baumsteiger, D. & Sunyaev, A. *State of play: A citation network analysis of healthcare gamification studies in 26th European Conference on Information Systems, ECIS 2018, Portsmouth, United Kingdom, 23 June 28 June 2018* 26th European Conference on Information Systems Portsmouth, Vereinigtes Königreich, June 23–28, 2018 (Association for Information Systems (AIS), 2018).
71. Schmidt-Kraepelin, M., Thiebes, S., Tran, M. C. & Sunyaev, A. *Whats in the Game? Developing a Taxonomy of Gamification Concepts for Health Apps in Proceedings of the 51th Hawaii International Conference on System Sciences (HICSS 2018)* (HICSS, 2018), 1217–1226. ISBN: 978-0-9981331-1-9.
72. Siegfried, N., Löbbers, J., Benlian, A. & Sunyaev, A. *Seeing service certification "eye to eye" - The role of perceptual congruence between customers and providers in IS certification in 26th European Conference on Information Systems, ECIS 2018; Portsmouth; United Kingdom; 23 June 2018 through 28 June 2018. Ed.: U. Frank* (Association for Information Systems (AIS), 2018).
73. Sturm, B. & Sunyaev, A. *You Can't Make Bricks Without Straw: Designing Systematic Literature Search Systems in 38th International Conference on Information Systems: Transforming Society with Digital Innovation, ICIS 2017; CoexSeoul; South Korea; 10 December 2017 through 13 December 2017* (AIS eLibrary (AISeL), 2018). ISBN: 978-0-9966831-5-9.
74. Teigeler, H., Lins, S. & Sunyaev, A. *Drivers vs. Inhibitors - What Clinches Continuous Service Certification Adoption by Cloud Service Providers? in Proceedings of the 51th Hawaii International Conference on System Sciences (HICSS 2018)* (HICSS, 2018), 5676–5685. ISBN: 978-0-9981331-1-9. doi:10.24251/HICSS.2018.711.
75. Thiebes, S., Scheidt, D., Schmidt-Kraepelin, M., Benlian, A. & Sunyaev, A. *Paving the way for real-time Delphi in information systems research: A synthesis of survey instrument designs and feedback mechanisms in 26th European Conference on Information Systems, ECIS 2018; Portsmouth; United Kingdom; 23 June 2018 through 28 June 2018. U. Frank* (Association for Information Systems (AIS), 2018).
76. Grube, A., Dehling, T. & Sunyaev, A. *How Do Patients Expect Apps to Provide Drug Information? in Proceedings of the 50th Hawaii International Conference on System Science (HICSS 2017)* (HICSS, 2017), 3577–3586. ISBN: 978-0-9981331-0-2. doi:10.24251/HICSS.2017.433.
77. Lins, S., Schneider, D., Benlian, A. & Sunyaev, A. *The Shifts of Fortune Test the Reliability of Friends ? The Brittle Nature of Signal Reliability in Cloud Service Markets in 38th International Conference on Information Systems: Transforming Society with Digital Innovation, ICIS 2017; CoexSeoul; South Korea; 10 December 2017 through 13 December 2017* (AIS eLibrary (AISeL), 2017).

78. Lins, S. & Sunyaev, A. *Unblackboxing IT Certifications: A Theoretical Model Explaining IT Certification Effectiveness* in *Proceedings of the 38th International Conference on Information Systems: Transforming Society with Digital Innovation, ICIS 2017; CoexSeoul; South Korea; 10 December 2017 through 13 December 2017* (AIS Georgia, 2017).
79. Lins, S., Trenz, M. & Sunyaev, A. *You Can't Fight What You Can't Grasp: A Multilevel Conceptualization of Consumer Uncertainty in Cloud Service Contexts* in *Proceedings of the Pre-ICIS JAIS Theory Development Workshop, AIS, Dezember, 2017, Seoul, South Korea* (AIS eLibrary (AISeL), 2017).
80. Morana, S., Dehling, T., Reuter-Oppermann, M. & Sunyaev, A. *User Assistance for Health Care Information Systems* in *SIG-Health Pre-ICIS Workshop, Seoul, South Korea, 2017* (AIS eLibrary (AISeL), 2017).
81. Quinting, A., Lins, S., Szefer, J. & Sunyaev, A. *Advancing the Adoption of a New Generation of Certifications ? A Theoretical Model to Explain the Adoption of Continuous Cloud Service Certification by Certification Authorities* in *Proceedings of 13th International Conference on Wirtschaftsinformatik, February 12-15, 2017, St. Gallen, Switzerland. Ed.: W. Brenner* (Universität St.Gallen, 2017), 1465–1476.
82. Schneider, D., Lins, S., Benlian, A. & Sunyaev, A. *Nudging Users Into Online Verification: The Case of Carsharing Platforms* in *38th International Conference on Information Systems, ICIS 2017, 10-13 December 2017, Seoul, South Korea* 38th International Conference on Information Systems Seoul, Südkorea, Dec. 10–13, 2017 (AIS eLibrary (AISeL), 2017).
83. Spil, T., Sunyaev, A., Thiebes, S. & van Baalen, R. *The Adoption of Wearables for a Healthy Lifestyle: Can Gamification Help?* in *Proceedings of the 50th Hawaii International Conference on System Science (HICSS 2017)* (HICSS, 2017), 3617–3626. ISBN: 978-0-9981331-0-2.
84. Sturm, B. & Sunyaev, A. *If You Want Your Research Done Right, Do You Have to Do It All Yourself? Developing Design Principles for Systematic Literature Search Systems* in *Designing the Digital Transformation : DESRIST 2017 Research in Progress Proceedings. Ed. : A. Maedche* 64 (Karlsruher Institut für Technologie (KIT), 2017), 138–146.
85. Teigeler, H., Lins, S. & Sunyaev, A. *Chicken and Egg Problem: What Drives Cloud Service Providers and Certification Authorities to Adopt Continuous Service Certification?* in *Proceedings of the Pre-ICIS Workshop on Information Security and Privacy (WISP 2017), Seoul, South Korea, December 9, 2017* (AIS eLibrary (AISeL), 2017).
86. Thiebes, S., Binzer, B. & Sunyaev, A. *Is There Any Difference? Investigating Individuals' Perceptions on Donating Blood, Organs and Genomic Data* in *Proceedings of the 2017 AIS SIG-Health Pre-ICIS Workshop, December 10, 2017, Seoul, South Korea* (AIS eLibrary (AISeL), 2017).
87. Thiebes, S., Kleiber, G. & Sunyaev, A. *Cancer Genomics Research in the Cloud: A Taxonomy of Genome Data Sets* in *4th International Workshop on Genome Privacy and Security (GenoPri'17), October 15, 2017, Orlando, FL, Co-located with GA4GH Security Working Group (SWG), October 15, 2017 and American Society of Human Genetics (ASHG) Annual Meeting, October 17 – 20, 2017* (GenoPri, 2017).
88. Thiebes, S., Lyytinen, K. & Sunyaev, A. *Individuals' Willingness to Share Private Genome Data: Towards a Non-Personal Privacy Calculus* in *2017 Pre-ICIS Workshop on Information Security and Privacy (WISP2017), At Seoul, South Korea* (AIS eLibrary (AISeL), 2017).

89. Thiebes, S., Lyytinen, K. & Sunyaev, A. *Sharing is About Caring? Motivating and Discouraging Factors in Sharing Individual Genomic Data* in *38th International Conference on Information Systems: Transforming Society with Digital Innovation, ICIS 2017; CoexSeoul; South Korea; 10 December 2017 through 13 December 2017* (AIS eLibrary (AISeL), 2017).
90. Dehling, T., Schmidt-Kraepelin, M., Demircan, M., Szefer, J. & Sunyaev, A. *User Archetypes for Effective Information Privacy Communication* in *Proceedings of the Pre-ICIS Workshop on Information Security and Privacy, Dublin, Ireland (2016)* (AIS. Atlanta (GA), 2016).
91. Gao, F., Thiebes, S. & Sunyaev, A. *Exploring Cloudy Collaboration in Healthcare: An evaluation Framework of Cloud Computing Services for Hospitals* in *49th Annual Hawaii International Conference on System Sciences, HICSS 2016; Grand Hyatt on the Island of KauaiKoloa; United States; 5 January 2016 through 8 January 2016 2016-March* (Institute of Electrical and Electronics Engineers (IEEE), 2016), 979–988. ISBN: 978-076955670-3. doi:10.1109/HICSS.2016.125.
92. Lins, S., Teigeler, H. & Sunyaev, A. *Towards a Bright Future: Enhancing Diffusion of Continuous Cloud Service Auditing by Third Parties* in *24th European Conference on Information Systems, ECIS 2016; Bogazici UniversityIstanbul; Turkey; 12 June 2016 through 15 June 2016* (AIS Georgia, 2016).
93. Schneider, S., Seifert, F. & Sunyaev, A. *Market Potential Analysis and Branch Network Planning: Application in a German Retail Bank* in *Proceedings of the 47th Hawaii International Conference on System Sciences, HICSS 2014; Waikoloa, HI; United States; 6 January 2014 through 9 January 2014* (Institute of Electrical and Electronics Engineers (IEEE), 2016), 1122–1131. ISBN: 978-147992504-9. doi:10.1109/HICSS.2014.145.
94. Thiebes, S., Dehling, T. & Sunyaev, A. *One Size Does Not Fit All: Information Security and Information Privacy for Genomic Cloud Services* in *24th European Conference on Information Systems, ECIS 2016; Bogazici UniversityIstanbul; Turkey; 12 June 2016 through 15 June 2016* (AIS eLibrary (AISeL), 2016).
95. Glowalla, P. & Sunyaev, A. *Influential Factors on IS Project Quality: A Total Quality Management Perspective* in *2015 International Conference on Information Systems: Exploring the Information Frontier, ICIS 2015; Fort Worth Convention CenterFort Worth; United States; 13 December 2015 through 16 December 2015* (AIS eLibrary (AISeL), 2015).
96. Lins, S., Thiebes, S., Schneider, S. & Sunyaev, A. *What is Really Going On at Your Cloud Service Provider? Creating Trustworthy Certifications by Continuous Auditing* in *Proceedings of the 48th Annual Hawaii International Conference on System Sciences, HICSS 2015; Grand HyattKauai; United States; 5 January 2015 through 8 January 2015 2015-March* (Institute of Electrical and Electronics Engineers (IEEE), 2015), 5352–5361. ISBN: 978-147997367-5. doi:10.1109/HICSS.2015.629.
97. Sturm, B., Schneider, S. & Sunyaev, A. *Leave No Stone Unturned: Introducing a Revolutionary Meta-search Tool for Rigorous and Efficient Systematic Literature Searches* in *Proceedings of the 23rd European Conference on Information Systems (ECIS 2015)* (AIS eLibrary (AISeL), 2015), Art. Nr.: 34. ISBN: 978-3-00-050284-2.
98. Sunyaev, A. & Basten, D. *Truth and Myth of Independent Software Testing - A Controlled Human Experiment* in *Proceedings of the 30th Annual ACM Symposium on Applied Computing, SAC 2015; Salamanca; Spain; 13 April 2015 through 17 April 2015. Ed.: D. Shin* (Association for Computing Machinery (ACM), 2015), 1722–1728. ISBN: 978-145033196-8. doi:10.1145/2695664.2695684.

99. Blesik, T., Dehling, T. & Sunyaev, A. *Improving Comprehensibility of Medical Information - Proof-of-Concept for Patient Information Leaflets in Multikonferenz Wirtschaftsinformatik, MKWI 2014 - Multi-Conference on Business Informatics, MKWI 2014; Heinz Nixdorf Museums ForumFurstenallee 7Paderborn; Germany; 26 February 2014 through 28 February 2014*. Ed.: D. Kundisch (Universität Paderborn, 2014), 665–677. ISBN: 978-300045311-3.
100. Dehling, T., Gao, F. & Sunyaev, A. *Assessment Instrument for Privacy Policy Content: Design and Evaluation of PPC in Proceedings of the Pre-ICIS Workshop on Information Security and Privacy, WISP 2014 Proceedings* (AIS eLibrary (AISeL), 2014), 1–16.
101. Dehling, T. & Sunyaev, A. *Information Security and Privacy of Patient-Centered Health IT Services: What needs to be done?* in *47th Hawaii International Conference on System Sciences, HICSS 2014; Waikoloa, HI; United States; 6 January 2014 through 9 January 2014* (Institute of Electrical and Electronics Engineers (IEEE), 2014), 2984–2993. ISBN: 978-147992504-9. doi:10.1109/HICSS.2014.371.
102. Gao, F., Dehling, T. & Sunyaev, A. *Useful Privacy Policy Content - Research Outline and First Results in Proceedings of the Pre-ECIS 2014 eHealth Workshop* (SSRN, 2014).
103. Glowalla, P., Balazy, P., Basten, D. & Sunyaev, A. *Process-driven Data Quality Management ? An Application of the Combined Conceptual Life Cycle Model in 47th Hawaii International Conference on System Sciences, HICSS 2014; Waikoloa, HI; United States; 6 January 2014 through 9 January 2014* (Institute of Electrical and Electronics Engineers (IEEE), 2014), 4700–4709. ISBN: 978-147992504-9. doi:10.1109/HICSS.2014.575.
104. Glowalla, P., Rosenkranz, C. & Sunyaev, A. *Evolution of IT Use: A Case of Business Intelligence System Transition in 35th International Conference on Information Systems: Building a Better World Through Information Systems, ICIS 2014; The University of Auckland Business SchoolAuckland; New Zealand; 14 December 2014 through 17 December 2014* (AIS eLibrary (AISeL), 2014), 1–19.
105. Schmidt-Kraepelin, M., Dehling, T. & Sunyaev, A. *Usability of Patient-Centered Health IT: Mixed-Methods Usability Study of ePill in Proceedings of the 8th Scientific eHealth Conference, eHealth 2014; Vienna; Austria; 22 April 2014 through 23 April 2014* **198** (IOS Press, 2014), 32–39. ISBN: 978-161499396-4. doi:10.3233/978-1-61499-397-1-32.
106. Schneider, S., Lansing, J., Gao, F. & Sunyaev, A. *A Taxonomic Perspective on Certification Schemes: Development of a Taxonomy for Cloud Service Certification Criteria in Proceedings of the 47th Hawaii International Conference on System Sciences, HICSS 2014; Waikoloa, HI; United States; 6 January 2014 through 9 January 2014* (Institute of Electrical and Electronics Engineers (IEEE), 2014), 4998–5007. ISBN: 978-147992504-9. doi:10.1109/HICSS.2014.614.
107. Sturm, B., Lansing, J. & Sunyaev, A. *Moving in the Right Direction?: Mapping Literature on Cloud Service Certifications' Outcomes with Practitioners' Perceptions in Proceedings of the 22nd European Conference on Information Systems, ECIS 2014; Tel Aviv; Israel; 9 June 2014 through 11 June 2014* (AIS eLibrary (AISeL), 2014). ISBN: 978-099155670-0.
108. Trier, P., Glowalla, P. & Sunyaev, A. *Globales Life-Cycle-Trackingsystem für elektronische Konsumgüter [Global life cycle tracking system for electronic consumer goods]* German and English. in *Multikonferenz Wirtschaftsinformatik, MKWI 2014 - Multi-Conference on Business Informatics, MKWI 2014; Heinz Nixdorf Museums ForumFurstenallee 7Paderborn; Germany; 26 February 2014 through 28 February 2014* (Universität Paderborn, 2014), 2110–2122. ISBN: 978-300045311-3.

109. Basten, D. & Sunyaev, A. *The Nature of Adherence to Planning - Systematic Review of Factors Influencing its Suitability as Criterion for IS Project Success* in *eProceedings of the 8th International Research Workshop on Information Technology Project Management (IRWITPM) Milan, Italy, December 14th , 2013* International Research Workshop on IT Project ManagementMailand, Italien, Dec. 15–18, 2013 (AIS eLibrary (AISEL), 2013).
110. Dehling, T. & Sunyaev, A. *Fostering Information Privacy Control: Privacy Policy Content of Health-Related Apps* in *2nd Workshop on Information Privacy and Security - An ICIS 2013 Ancillary Event (2nd JIPS Workshop), Milano, Italy, 2013 (-, 2013).*
111. Dehling, T. & Sunyaev, A. *Improved Medication Compliance through Health IT: Design and Mixed Methods Evaluation of the ePill Application* in *Reshaping society through information systems design : International Conference on Information Systems (ICIS 2013) ; Milan, Italy, 15 - 18 December 2013 / [AIS] 3* (Curran, 2013), 2108–2118. ISBN: 978-162993426-6.
112. Glowalla, P. & Sunyaev, A. *Explorative TTF Perspective on ERP Systems and Data Quality Management Interdependencies* in *Proceedings of the 73rd Academy of Management Annual Meeting (AoM 2013) (No. 1) 2013* (AOM, 2013).
113. Glowalla, P. & Sunyaev, A. *Managing Data Quality with ERP Systems - Insights from the Insurance Sector* in *21st European Conference on Information Systems, ECIS 2013; Utrecht; Netherlands; 5 June 2013 through 8 June 2013* (AIS eLibrary (AISEL), 2013).
114. Lansing, J., Schneider, S. & Sunyaev, A. *Cloud Service Certifications: Measuring Consumers' Preferences for Assurances* in *Proceedings of the 21st European Conference on Information Systems, ECIS 2013; Utrecht; Netherlands; 5 June 2013 through 8 June 2013* (AIS eLibrary (AISEL), 2013), 12 S.
115. Lansing, J. & Sunyaev, A. *Does Pain Result in Gain? Assessing Cloud Service Certifications' Effectiveness* in *Proceedings of the 34th International Conference on Information Systems (ICIS 2013)* (AIS eLibrary (AISEL), 2013).
116. Sunyaev, A. & Glowalla, P. *A Business Process and Data Quality Management Perspective on ERP System Development in the Financial Service Sector* in *Promoting Business Process Management Excellence in Russia: Proceedings and Report of the PropelleR 2012 Workshop held in Moscow, April 24 to 26, 2012. Ed.: J. Becker* PropelleR WorkshopMoskau, Russland, Apr. 24–26, 2012. **15** (ERCIS, 2013), 67–74.
117. Windhorst, I. & Sunyaev, A. *Dynamic Certification of Cloud Services* in *2013 8th International Conference on Availability, Reliability and Security, ARES 2013; Regensburg; Germany; 2 September 2013 through 6 September 2013* (Institute of Electrical and Electronics Engineers (IEEE), 2013), 412–417. ISBN: 978-076955008-4. doi:10.1109/ARES.2013.55.
118. Dehling, T. & Sunyaev, A. *Architecture and Design of a Patient-Friendly eHealth Web Application: Patient Information Leaflets and Supplementary Services* in *18th Americas Conference on Information Systems 2012, AMCIS 2012; Seattle, WA; United States; 9 August 2012 through 12 August 2012 3* (AIS eLibrary (AISEL), 2012), 2392–2399. ISBN: 978-162276827-1.
119. Dehling, T. & Sunyaev, A. *Domain-Specific Languages and Digital Preservation: Supporting Knowledge-Management* in *Multikonferenz Wirtschaftsinformatik 2012, MKWI 2012 - Multiconference Business Information Systems 2012, MKWI 2012; Braunschweig; Germany; 29 February 2012 through 2 March 2012* (GITO Verlag, 2012), 1273–1284. ISBN: 978-394218363-5.

120. Dehling, T. & Sunyaev, A. *Information Security of Patient-Centred Services Utilising the German Nationwide Health Information Technology Infrastructure in Proceeding-HealthSec'12 Proceedings of the 3rd USENIX conference on Health Security and Privacy, Bellevue, WA — August 06 - 07, 2012* (Association for Computing Machinery (ACM), 2012), 6 S.
121. Duennebeil, S., Sunyaev, A., Leimeister, J. M. & Krcmar, H. *Market Engineering for Electronic Health Services in 2012 45th Hawaii International Conference on System Sciences, HICSS 2012; Maui, HI; United States; 4 January 2012 through 7 January 2012* (Institute of Electrical and Electronics Engineers (IEEE), 2012), 952–961. ISBN: 978-076954525-7. doi:10.1109/HICSS.2012.423.
122. Glowalla, P. & Sunyaev, A. *Exploring information flow issues during the implementation of a Campus Management System in Multikonferenz Wirtschaftsinformatik 2012, MKWI 2012 - Multiconference Business Information Systems 2012, MKWI 2012; Braunschweig; Germany; 29 February 2012 through 2 March 2012* (GITO Verlag, 2012), 475–486. ISBN: 978-394218363-5.
123. Glowalla, P. & Sunyaev, A. *Process-driven Data and Information Quality Management in the Financial Service Sector in 18th Americas Conference on Information Systems 2012, AMCIS 2012; Seattle, WA; United States; 9 August 2012 through 12 August 2012 4* (Curran, 2012), 3138–3146. ISBN: 978-162276827-1.
124. Sturm, B., Glowalla, P., Bodendorf, F. & Sunyaev, A. *Patientenzentrierte Informationssysteme: Bestehende Projekte in Forschung und Praxis German. in GMDS 2012. 57. Jahrestagung der Deutschen Gesellschaft für Medizinische Informatik, Biometrie und Epidemiologie e.V. (GMDS). Braunschweig, 16.-20.09.2012. Düsseldorf: German Medical Science GMS Publishing House; 2012. (GMS (ZB MED), 2012). doi:10.3205/12gmds118.*
125. Duennebeil, S., Kaletsch, A., Jedamzik, S., Sunyaev, A., Leimeister, J. M. & Krcmar, H. *Prozessdigitalisierung durch Mehrwertanwendungen der eGK am Beispiel der elektronischen Überweisung [Digitalization process through value-added applications of the electronic health card using the example of electronic payment] German. in perspeGktive 2011: Workshop ""Innovative und Sichere Informationstechnologie für das Gesundheitswesen von Morgen"" - PerspeGktive 2011: Workshop ""Innovative and Secure Information Technology for the Health Care of Tomorrow""; Darmstadt; Germany; 7 September 2011 through 7 September 2011 (-, 2011), 15 S.*
126. Kaletsch, A. & Sunyaev, A. *Privacy Engineering: Personal Health Records in Cloud Computing Environments in 32nd International Conference on Information System 2011, ICIS 2011; Shanghai; China; 4 December 2011 through 7 December 2011 3* (Curran, 2011), 2213–2223. ISBN: 978-161839472-9.
127. Knipl, S. & Sunyaev, A. *A Short Overview of the Security Concept of the German Electronic Health Information Infrastructure in International Conference on Health Informatics, HEALTHINF 2011; Rome; Italy; 26 January 2011 through 29 January 2011* (SciTePress, 2011), 555–558. ISBN: 978-989842534-8.
128. Knipl, S. & Sunyaev, A. *Betrachtung des Sicherheitskonzepts der elektronischen Gesundheitskarte [Consideration of the security concept of the electronic health card] German. in perspeGktive 2011: Workshop ""Innovative und Sichere Informationstechnologie für das Gesundheitswesen von Morgen"" - PerspeGktive 2011: Workshop ""Innovative and Secure Information Technology for the Health Care of Tomorrow""; Darmstadt; Germany; 7 September 2011 through 7 September 2011 (-, 2011), 15 S.*

129. Sunyaev, A. & Chorny, D. *Development of an Internet-Based Chronic Disease Self-Management System* in *Proceedings of the 24th International Bled eConference (Bled 2011)* **56** (AIS eLibrary (AISeL), 2011), 185–196.
130. Sunyaev, A. & Pflug, J. *Research Toward the Practical Application of a Risk Evaluation Framework: Security Analysis of the clinical area within the German Electronic Health Information Systems* in *24th Bled eConference - eFuture: Creating Solutions for the Individual, Organisations and Society; Bled; Slovenia; 12 June 2011 through 15 June 2011* (Bled eCommerce Conference, 2011), 156–168.
131. Teichmann, S., Duennebeil, S., Sunyaev, A. & Krcmar, H. *Risikosteuerung bei der Anpassung von Behandlungsabläufen für die elektronische Gesundheitskarte* German. in *Proceedings of the 10th International Conference on Wirtschaftsinformatik 2011 (WI 2011)* (s.l., 2011).
132. Duennebeil, S., Sunyaev, A., Blohm, I., Leimeister, J. M. & Krcmar, H. *Do German Physicians want Electronic Health Services? A Characterization of Potential Adopters and Rejectors in German Ambulatory Care* in *Proceedings of the Third International Conference on Health Informatics ; Valencia, Spain, January 20 - 23, 2010 ; [one of four integrated conferences that ... constitute the International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC)]* . Ed.: A. Fred (INSTICC, 2010), 202–209. ISBN: 978-989-674-016-0.
133. Duennebeil, S., Sunyaev, A., Leimeister, J. M. & Krcmar, H. *eGK-Mehrwertanwendung zur elektronischen Krankenhauseinweisung* German. in *conhIT 2010 - Satellitenveranstaltung GMDS/BVMI, Workshop der GMDS-Projektgruppe, Berlin, 20. bis 22. April 2010* (2010).
134. Duennebeil, S., Sunyaev, A., Leimeister, J. M. & Krcmar, H. *Strategies for development and adoption of EHR in German ambulatory care* in *Proceedings of the 4th International Conference on Pervasive Computing Technologies for Healthcare (Pervasive Health 2010), 22 - 25 March 2010, Munich, Germany* (Institute of Electrical and Electronics Engineers (IEEE), 2010), Art. Nr.: 5482290. ISBN: 978-963979989-9. doi:10.4108/ICST.PERVASIVEHEALTH2010.8887.
135. Kuckein, C., Schermann, M., Sunyaev, A. & Krcmar, H. *An Exploratory Study on Physicians' Diligence when Dealing with Patient Data* in *18th European Conference on Information Systems, ECIS 2010; Pretoria; South Africa; 7 June 2010 through 9 June 2010* (University of Pretoria, 2010), 13 S. ISBN: 978-062047172-5.
136. Mauro, C., Happel, T., Sunyaev, A., Leimeister, J. M. & Krcmar, H. *From Medical Processes to Workflows: Modeling of Clinical Pathways with the Unified Modeling Language* in *Proceedings of the Third International Conference on Health Informatics*. Ed.: A. Fred 3rd International Conference on Health Informatics Valencia, Spanien, Jan. 20–23, 2010 (INSTICC, 2010), 388–391. ISBN: 978-989-674-016-0.
137. Mauro, C., Sunyaev, A., Leimeister, J. M. & Krcmar, H. *Standardized Device Services: A Design Pattern for Service Oriented Integration of Medical Devices* in *Proceedings of the 43rd Annual Hawaii International Conference on System Sciences, HICSS-43; Koloa, Kauai, HI; United States; 5 January 2010 through 8 January 2010* (Institute of Electrical and Electronics Engineers (IEEE), 2010), Art. Nr.: 5428401. ISBN: 978-076953869-3. doi:10.1109/HICSS.2010.347.
138. Sunyaev, A., Chorny, D., Mauro, C. & Krcmar, H. *Evaluation Framework for Personal Health Records: Microsoft Health Vault vs. Google Health* in *Proceedings of the 43rd Hawaii International Conference on System Sciences (HICSS 2010), Kauai, Hawaii, Jan. (-, 2010)*.

139. Sunyaev, A., Duennebeil, S., Mauro, C., Leimeister, J. M. & Krcmar, H. *IT-Standards im Gesundheitswesen: Überblick und Entwicklungsperspektiven mit der Einführung Service-Orientierter Architekturen in Conference: Informatik 2010: Service Science - Neue Perspektiven für die Informatik, Beiträge der 40. Jahrestagung der Gesellschaft für Informatik e.V. (GI), Band 1, 27.09. - 1.10.2010, Leipzig* **175** (Gesellschaft für Informatik (GI), 2010), 254–259.
140. Sunyaev, A., Kaletsch, A., Duennebeil, S. & Krcmar, H. *Attack Scenarios for Possible Misuse of Peripheral Parts in the German Health Information Infrastructure in ICEIS 2010 - Proceedings of the 12th International Conference on Enterprise Information Systems, 12th International Conference on Enterprise Information Systems, ICEIS 2010; Funchal; Portugal; 8 June 2010 through 12 June 2010* (SciTePress, 2010), 229–235. ISBN: 978-989842504-1.
141. Sunyaev, A., Kaletsch, A. & Krcmar, H. *Comparative Evaluation of Google Health API vs. Microsoft Healthvault API in 3rd International Conference on Health Informatics, HEALTHINF 2010; Valencia; Spain; 20 January 2010 through 23 January 2010* (INSTICC, 2010), 195–201. ISBN: 978-989674016-0.
142. Sunyaev, A., Knipl, S., Duennebeil, S., Leimeister, J. M. & Krcmar, H. *Retrospektive der bekannten sicherheitstechnischen Problematiken bei der Einführung der elektronischen Gesundheitskarte und der Telematikinfrastruktur in Deutschland [Retrospective health card of the known security-related problems in the introduction of the electronic health card and the telematics infrastructure in Germany]* German. in *perspektive 2010: Workshop "Innovative und Sichere Informationstechnologie für das Gesundheitswesen von Morgen" - perspektive 2010: Workshop "Innovative and Secure Information Technology for the Health Care of Tomorrow"*; Mannheim; Germany; 8 September 2010 through 8 September 2010. Hrsg.: A. Brömme **P-174** (Gesellschaft für Informatik (GI), 2010), 27–37. ISBN: 978-388579268-0.
143. Sunyaev, A., Leimeister, J. M. & Krcmar, H. *Open Security Issues in German Healthcare Telematics in 3rd International Conference on Health Informatics, HEALTHINF 2010; Valencia; Spain; 20 January 2010 through 23 January 2010* (INSTICC, 2010), 187–194. ISBN: 978-989674016-0.
144. Sunyaev, A., Ortmann, M., Leimeister, J. M. & Krcmar, H. *mediEPCs ? A Model to Abstract Complex and Dynamic Processes in Healthcare Environments in 16th Americas Conference on Information Systems 2010, AMCIS 2010; Lima; Peru; 12 August 2010 through 15 August 2010* (Curran, 2010), 587. ISBN: 978-161738952-8.
145. Duennebeil, S., Mauro, C., Sunyaev, A., Leimeister, J. M. & Krcmar, H. *Integration of Patient Health Portals into the German Healthcare Telematics Infrastructure in 15th Americas Conference on Information Systems 2009, AMCIS 2009; San Francisco, CA; United States; 6 August 2009 through 9 August 2009* (Curran, 2009), 6710–6719. ISBN: 978-161567581-4.
146. Duennebeil, S., Sunyaev, A., Mauro, C., Leimeister, J. M. & Krcmar, H. *Konzeption patientenzentrierter Mehrwertdienste für die Deutsche Gesundheitstelematik* German. in *54. Jahrestagung der Deutschen Gesellschaft für Medizinische Informatik, Biometrie und Epidemiologie e.V. (GMDS)* (GMS, 2009). doi:10.3205/09gmds174.
147. Mauro, C., Sunyaev, A., Duennebeil, S., Leimeister, J. M. & Krcmar, H. *Mobile Anwendungen im Kontext des Medizinproduktegesetzes [Mobile applications in the context of the Medical Devices Act]* German and English. in *Mobiles Computing in der Medizin - Proceedings zum 9. Workshop der GI- und GMDS-Arbeitsgruppe Mobile Informationstechnologie in der Medizin, MoCoMed 2009 - 9th Workshop of the GI- and GMDS Working Group on Mobile Information Technology in Medicine, MoCoMed 2009; Lubeck; Germany; 29 September 2009 through.* Ed.: A. Rashid (Shaker Verlag, 2009), 70–84. ISBN: 978-383228706-1.

148. Mauro, C., Sunyaev, A., Leimeister, J. M. & Krcmar, H. *Service-orientierte Integration medizinischer Geräte- eine State of the Art Analyse* German. in *Business Services : Konzepte, Technologien, Anwendungen; Proceedings der 9. Internationalen Tagung Wirtschaftsinformatik* (Österreichische Computer Gesellschaft, 2009), 119–128. ISBN: 978-3-85403-246-5.
149. Mouratidis, H., Sunyaev, A. & Jürjens, J. *Secure Information Systems Engineering: Experiences and Lessons Learned from Two Health Care Projects* in *Proceedings of the 21st International Conference on Advanced Information Systems Engineering, CAiSE 2009; Amsterdam; Netherlands; 8 June 2009 through 12 June 2009* **5565** (Springer Verlag, 2009), 231–245. ISBN: 978-364202143-5. doi:10.1007/978-3-642-02144-2_21.
150. Sunyaev, A., Atherton, M., Mauro, C., Leimeister, J. M. & Krcmar, H. *Characteristics of IS Security Approaches with Respect to Healthcare* in *15th Americas Conference on Information Systems 2009, AMCIS 2009; San Francisco, CA; United States; 6 August 2009 through 9 August 2009* **609** (AIS eLibrary (AISEL), 2009), 5213–5222. ISBN: 978-161567581-4.
151. Sunyaev, A., Duennebeil, S., Mauro, C., Leimeister, J. M. & Krcmar, H. *Sicherheitsbetrachtung der Primärsysteme in der Deutschen Gesundheitstelematik* German. in *Proceedings of the 54. Jahrestagung der Deutschen Gesellschaft für Medizinische Informatik, Biometrie und Epidemiologie (GMDS 2009)* (s.l., 2009), 2 S.
152. Sunyaev, A., Göttinger, S., Mauro, C., Leimeister, J. M. & Krcmar, H. *Analysis of the Applications of the electronic Health Card in Germany* in *Proceedings of Wirtschaftsinformatik 2009 (WI 2009) - Business Services: Konzepte, Technologien und Anwendungen. Vienna, Austria, 25-27 February 2009. Band 2* (SSRN, 2009), 749–758.
153. Sunyaev, A., Kaletsch, A., Mauro, C. & Krcmar, H. *Security Analysis of the German Electronic Health Card's Peripheral Parts* in *ICEIS 2009 - 11th International Conference on Enterprise Information Systems; Milan; Italy; 6 May 2009 through 10 May 2009* (INSTICC, 2009), 19–26. ISBN: 978-989811184-5. doi:10.5220/0001854000190026.
154. Sunyaev, A., Reeber, M., Leimeister, J. M. & Krcmar, H. *Security Analysis of the German Healthcare Telematics* in *15th Americas Conference on Information Systems 2009, AMCIS 2009; San Francisco, CA; United States; 6 August 2009 through 9 August 2009* (Curran, 2009), 1758. ISBN: 978-161567581-4.
155. Sunyaev, A., Tremmel, F., Mauro, C., Leimeister, J. M. & Krcmar, H. *A Re-Classification of IS Security Analysis Approaches* in *15th Americas Conference on Information Systems 2009, AMCIS 2009; San Francisco, CA; United States; 6 August 2009 through 9 August 2009* (Curran, 2009), 4640–4649. ISBN: 978-161567581-4.
156. Huber, M. J., Sunyaev, A. & Krcmar, H. *Security Analysis of the Health Care Telematics Infrastructure in Germany* in *ICEIS 2008 - 10th International Conference on Enterprise Information Systems; Barcelona; Spain; 12 June 2008 through 16 June 2008, Volume 2* (INSTICC, 2008), 144–153. ISBN: 978-989811138-8.
157. Mauro, C., Sunyaev, A., Leimeister, J. M., Schweiger, A. & Krcmar, H. *A Proposed Solution for Managing Doctor's Smart Cards in Hospitals Using a Single Sign-On Central Architecture* in *Proceedings of the 41st Annual Hawaii International Conference on System Sciences 2008, HICSS; Big Island, HI; United States; 7 January 2008 through 10 January 2008* (Institute of Electrical and Electronics Engineers (IEEE), 2008), 256–266. ISBN: 978-076953075-8. doi:10.1109/HICSS.2008.33.

158. Sunyaev, A., Hansen, M. & Krcmar, H. *Method Engineering: A Formal Description* in *17th International Conference on Information Systems Development, ISD 2008; Paphos; Cyprus; 25 August 2008 through 27 August 2008*. Ed.: G. Papadopoulos (Springer US, 2008), 645–654. ISBN: 978-0-387-84809-9. doi:10.1007/b137171_67.
159. Sunyaev, A., Huber, M. J., Mauro, C., Leimeister, J. M. & Krcmar, H. *Bewertung und Klassifikation von Bedrohungen im Umfeld der elektronischen Gesundheitskarte* German. in *38th Jahrestagung der Gesellschaft für Informatik e. V. (GI): Beherrschbare Systeme - Dank Informatik, INFORMATIK 2008; Munich; Germany; 8 September 2008 through 13 September 2008 1* (Gesellschaft für Informatik (GI), 2008), 65–70. ISBN: 978-388579227-7.
160. Sunyaev, A., Schweiger, A., Leimeister, J. M. & Krcmar, H. *Software-Agenten zur Integration von Informationssystemen im Gesundheitswesen* German. in *Proceedings of Multikonferenz Wirtschaftsinformatik (MKWI 2008)* (GITO Verlag, 2008), 1455–1466. ISBN: 978-3-940019-34-9.
161. Schweiger, A., Sunyaev, A., Mauro, C., Leimeister, J. M. & Krcmar, H. *Single Sign-On Clinic Card-Lösung - Ein Konzept zur zentralen Verwaltung von Gesundheitskarten im stationären Umfeld* [Single sign on-clinic card solution - A concept for the central administration of health cards in the stationary environment] German. in *37th Jahrestagung der Gesellschaft für Informatik e. V. (GI): Informatik Trifft Logistik, INFORMATIK 2007 37th Annual Conference of the German Informatics Society (GI): Computer Science Meets Logistics, INFORMATIK 2007; Bremen; Germany; 24 September 2007 through 27 September 2007* (Gesellschaft für Informatik (GI), 2007), 463–468. ISBN: 978-388579204-8.
162. Sunyaev, A., Leimeister, J. M., Schweiger, A. & Krcmar, H. *Die elektronische Gesundheitskarte und Sicherheitsaspekte: Ein Vorschlag zur entwicklungsbegleitenden Sicherheitsevaluation aus Anwendersicht* [The electronic health card and security package: A recommendation for the development-accompanying security evaluation from the user's point of view] German. in *37th Jahrestagung der Gesellschaft für Informatik e. V. (GI): Informatik Trifft Logistik, INFORMATIK 2007 37th Annual Conference of the German Informatics Society (GI): Computer Science Meets Logistics, INFORMATIK 2007; Bremen; Germany; 24 September 2007 through 27 September 2007. Hrsg.: O. Herzog 2* (Gesellschaft für Informatik (GI), 2007), 469–474. ISBN: 978-388579204-8.
163. Schweiger, A., Hillebrand, C., Sunyaev, A. & Krcmar, H. *Portierung einer agentenbasierten elektronischen Patientenakte auf mobile Endgeräte* German. in *Mobiles Computing in der Medizin: Proceedings zum 6. Workshop der GMDS-Projektgruppe Mobiles Computing in der Medizin, Universität Frankfurt, 2. Juni 2006. Hrsg.: T. Eymann 6*. Deutsche Gesellschaft für Medizinische Informatik, Biometrie und Epidemiologie. Arbeitsgruppe Mobiles Computing in der Medizin. Workshop Frankfurt am Main, Deutschland, June 2, 2006– (Shaker Verlag, 2006), 28–45. ISBN: 978-3-8322-5166-6.

Book Chapters

1. Erler, C., Hu, S., Danelski, A., Stork, W., Sunyaev, A. & Gersch, M. in *Information Technology and Systems – ICITS 2023. Vol.: 2. Ed.: Á. Rocha* 443–455 (Springer International Publishing, 2023). ISBN: 978-3-031-33261-6. doi:10.1007/978-3-031-33261-6_38.
2. Goram, M., Dehling, T., Morsbach, F. & Sunyaev, A. in *Human Factors in Privacy Research. Ed.: N. Gerber* 46.23.01; LK 01, 283–298 (Springer International Publishing, 2023). ISBN: 978-3-031-28643-8. doi:10.1007/978-3-031-28643-8_14.

3. Pfister, M., Kannengießer, N. & Sunyaev, A. in *Blockchains and the Token Economy*. Ed.: M. C. Lacity 46.23.03; LK 01, 53–86 (Springer Nature Switzerland AG, 2022). ISBN: 978-3-030-95107-8. doi:10.1007/978-3-030-95108-5_3.
4. Sunyaev, A., Schmidt-Kraepelin, M. & Thiebes, S. German. in *Rechtshandbuch Social Media*. Hrsg.: G. Hornung 2nd ed. (Springer, 2021). ISBN: 978-3-662-59449-0.
5. Sunyaev, A. German. in *Mensch - Technik - Umwelt: Verantwortung für eine sozialverträgliche Zukunft – Festschrift für Alexander Roßnagel zum 70. Geburtstag*. Ed.: A. Hentschel 1. Auflage, 149–166 (Nomos Verlagsgesellschaft, 2020). ISBN: 978-3-8487-7014-4. doi:10.5771/9783748910770-149.
6. Dehling, T., Lins, S. & Sunyaev, A. in *Information Technology for Peace and Security : IT Applications and Infrastructures in Conflicts, Crises, War, and Peace* Hrsg.: C. Reuter 319–339 (Springer Vieweg, 2019). ISBN: 978-3-658-25651-7. doi:10.1007/978-3-658-25652-4_15.
7. Hofmann, J. M., Laatzten, B., Lins, S. & Sunyaev, A. German. in *Management sicherer Cloud-Services : Entwicklung und Evaluation dynamischer Zertifikate*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 279–299 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_23.
8. Hofmann, J. M. et al. German. in *Management sicherer Cloud-Services: Entwicklung und Evaluation dynamischer Zertifikate*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 379–390 (Gabler Verlag, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_30.
9. Lang, M., Lins, S., Wiesche, M., Sunyaev, A. & Krcmar, H. German. in *Management sicherer Cloud-Services: Entwicklung und Evaluation dynamischer Zertifikate*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 343–361 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_28.
10. Lins, S., Rossmann, J. M. & Sunyaev, A. German. in *Management sicherer Cloud-Services*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 325–331 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_26.
11. Lins, S. & Sunyaev, A. German. in *Management sicherer Cloud-Services* 153–158 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_13.
12. Lins, S. & Sunyaev, A. German. in *Management sicherer Cloud-Services: Entwicklung und Evaluation dynamischer Zertifikate*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 203–222 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_16.
13. Lins, S. & Sunyaev, A. German. in *Management sicherer Cloud-Services : Entwicklung und Evaluation dynamischer Zertifikate*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 7–13 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_2.
14. Lins, S. & Sunyaev, A. German. in *Management sicherer Cloud-Services : Entwicklung und Evaluation dynamischer Zertifikate*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 121–135 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_11.

15. Lins, S. & Sunyaev, A. German. in *Management sicherer Cloud-Services : Entwicklung und Evaluation dynamischer Zertifikate*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 91–99 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_8.
16. Lins, S., Teigeler, H. & Sunyaev, A. German. in *Management sicherer Cloud-Services : Entwicklung und Evaluation dynamischer Zertifikate*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 363–378 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_29.
17. Lins, S., Thiebes, S. & Sunyaev, A. German. in *Management sicherer Cloud-Services : Entwicklung und Evaluation dynamischer Zertifikate*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 159–176 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_14.
18. Neubauer, C., Weiss, A., Lins, S. & Sunyaev, A. German. in *Management sicherer Cloud-Services : Entwicklung und Evaluation dynamischer Zertifikate*. Hrsg.: Helmut Krcmar, Claudia Eckert, Alexander Roßnagel, Ali Sunyaev, Manuel Wiesche 81–90 (Springer Fachmedien Wiesbaden, 2018). ISBN: 978-3-658-19578-6. doi:10.1007/978-3-658-19579-3_7.
19. Sunyaev, A., Dehling, T. & Schmidt-Kraepelin, M. German. in *Jenseits des Otto Normalverbrauchers: Verbraucherpolitik in Zeiten des ?unmanageable consumer?.* Hrsg.: Christian Bala, Wolfgang Schuldzinski 163–179 (Verbraucherzentrale, 2018). ISBN: 978-3-86336-920-0. doi:10.15501/978-3-86336-920-0_8.
20. Tomforde, S., Dehling, T., Haux, R., Huseljic, D., Kottke, D., Scheerbaum, J., Sick, B., Sunyaev, A. & Wolf, K.-H. in *ARCS 2018 : 31th International Conference on Architecture of Computing Systems April, 9-12, 2018, Technische Universität Braunschweig, Braunschweig, Germany, Workshop Proceedings* 1–8 (VDE Verlag, 2018). ISBN: 978-3-8007-4559-3.
21. Schneider, S., Lansing, J. & Sunyaev, A. German. in *Cloud-Services aus der Geschäftsperspektive*. Hrsg.: Helmut Krcmar, Jan Marco Leimeister, Alexander Roßnagel, Ali Sunyaev 159–169 (Gabler Verlag, 2017). ISBN: 978-3-658-08256-7. doi:10.1007/978-3-658-08257-4_12.
22. Wolf, K.-H., Dehling, T., Haux, R., Sick, B., Sunyaev, A. & Tomforde, S. in *Informatics Empowers Healthcare Transformation*. Ed.: J. Mantas 209–212 (IOS Press, 2017). ISBN: 978-161499780-1. doi:10.3233/978-1-61499-781-8-209.
23. Schneider, S., Lansing, J., Gao, F. & Sunyaev, A. German. in *Cloud-Services aus der Geschäftsperspektive*. Hrsg.: Helmut Krcmar, Jan Marco Leimeister, Alexander Roßnagel, Ali Sunyaev 337–350 (Gabler Verlag, 2016). ISBN: 978-3-658-08256-7. doi:10.1007/978-3-658-08257-4_20.
24. Sunyaev, A. & Schneider, S. German. in *Cloud-Services aus der Geschäftsperspektive*. Hrsg.: Helmut Krcmar, Jan Marco Leimeister, Alexander Roßnagel, Ali Sunyaev 53–58 (Gabler Verlag, 2016). ISBN: 978-3-658-08256-7. doi:10.1007/978-3-658-08257-4_5.
25. Grochol, P., Schneider, S. & Sunyaev, A. in *Trusted Cloud Computing* 315–331 (Springer International Publishing, 2014). ISBN: 978-3-319-12717-0.
26. Sunyaev, A., Leimeister, J. M., Schweiger, A. & Krcmar, H. in *Encyclopedia of Healthcare Information Systems*. Ed.: N. Wickramasinghe 813–820 (Medical Information Science Reference, 2008). ISBN: 978-1-59904-889-5. doi:10.4018/978-1-59904-889-5.ch102.

Technical Reports

1. Leiser, F., Eckhardt, S., Leuthe, V., Knaeble, M., Maedche, A., Schwabe, G. & Sunyaev, A. *HILL: A Hallucination Identifier for Large Language Models* tech. rep. (arxiv, 2024). 13 pp. doi:10.48550/arXiv.2403.06710.
2. Jin, D., Kannengießer, N., Rank, S. & Sunyaev, A. *A Design Toolbox for the Development of Collaborative Distributed Machine Learning Systems* tech. rep. 46.23.01; LK 01 (2023). doi:10.5445/IR/1000162704.
3. Kirste, D., Kannengießer, N., Lamberty, R. & Sunyaev, A. *How Automated Market Makers Approach the Thin Market Problem in Cryptoeconomic Systems* tech. rep. 46.23.01; LK 01 (arxiv, 2023). 26 pp. doi:10.48550/arXiv.2309.12818.
4. Hasebrook, N., Morsbach, F., Kannengießer, N., Zöller, M., Franke, J., Lindauer, M., Hutter, F. & Sunyaev, A. *Why Do Machine Learning Practitioners Still Use Manual Tuning? A Qualitative Study* tech. rep. 46.23.01; LK 01 (Karlsruher Institut für Technologie (KIT), 2022). doi:10.48550/ARXIV.2203.01717.
5. Roßnagel, A., Sunyaev, A., Maier, N., Lins, S. & Teigeler, H. *AUDITOR-Kriterienkatalog : Fassung 0.99 [Stand 30.1.2020]* German. Tech. rep. Beitrag zum Forschungsprojekt: European Cloud Service Data Protection Certification (AUDITOR). Förderkennzeichen BMWi: FKZ 01MT17003A (Karlsruher Institut für Technologie (KIT), 2020). 83 pp. doi:10.5445/IR/1000105506.
6. *AIFB Themenheft 2019: Einladung 35. AIK-Symposium „Blockchain – Proof-of-Worth : Karlsruhe, 25. Oktober 2019 [AIFB Jahresbericht 2019. Institut für Angewandte Informatik und Formale Beschreibungsverfahren]* German. Tech. rep. (Karlsruher Institut für Technologie (KIT), 2019). 11 pp. doi:10.5445/IR/1000097609.
7. Roßnagel, A., Sunyaev, A., Lins, S., Maier, N. & Teigeler, H. *AUDITOR Criteria Catalogue: Draft version 0.9* tech. rep. Contribution to the research project "European Cloud Service Data Protection Certification (AUDITOR)", which is funded by the German Federal Ministry for Economic Affairs and Energy (FKZ 01MT17003A), based on a decision made by the German Parliament. (Karlsruher Institut für Technologie (KIT), 2019). 67 pp. doi:10.5445/IR/1000092729.
8. Roßnagel, A., Sunyaev, A., Lins, S., Maier, N. & Teigeler, H. *AUDITOR-Kriterienkatalog : Entwurfsfassung 0.9, Stand 15.03.2019* German. Tech. rep. Beitrag zum Forschungsprojekt: European Cloud Service Data Protection Certification (AUDITOR). Förderkennzeichen BMWi: FKZ 01MT17003A (Karlsruher Institut für Technologie (KIT), 2019). 70 pp. doi:10.5445/IR/1000092273.
9. Roßnagel, A., Sunyaev, A., Batman, A. N., Lins, S., Maier, N. & Teigeler, H. *AUDITOR-Kriterienkatalog* German. Tech. rep. Beitrag zum Forschungsprojekt: European Cloud Service Data Protection Certification (AUDITOR) FKZ 01MT17003A (Karlsruher Institut für Technologie (KIT), 2018). 46 pp. doi:10.5445/IR/1000083222.
10. Dehling, T. & Sunyaev, A. *German Health Information Technology Infrastructure: A Large-Scale Network Offering Support for Software Engineering in Health Care* tech. rep. (Karlsruher Institut für Technologie (KIT), 2013). doi:10.13140/RG.2.1.3315.8566.
11. Huber, M. J., Sunyaev, A. & Krcmar, H. *Technische Sicherheitsanalyse der elektronischen Gesundheitskarte* German. Tech. rep. (Technische Universität, 2008).

Other Publications

1. Research Group Critical Information Infrastructures (cii). *cii Student Papers - 2023* German and English (eds Sunyaev, A., Renner, M., Toussaint, P. A., Thiebes, S. & Lins, S.) 2023. doi:10.5445/IR/1000162178.
2. Danylak, P., Brecker, K., Lins, S. & Sunyaev, A. *Certifications to Safeguard Data Protection Standards? How Superficial Internalization Thwarts the Plan* Poster präsentiert auf Forum Privatheit (2022), Berlin, Deutschland, 13.–14. Oktober 2022. 2022.
3. Research Group Critical Information Infrastructures (cii). *cii Student Papers - 2022* German and English (eds Sunyaev, A., Renner, M., Toussaint, P. A., Thiebes, S. & Lins, S.) Texte teilw. engl., teilw. dt. 2022.
4. Research Group Critical Information Infrastructures (cii). *cii Student Papers - 2021* German and English (eds Sunyaev, A., Renner, M., Toussaint, P. A., Thiebes, S. & Lins, S.) Texte teilw. dt., teilw. engl. 2021.
5. Schmidt, M. *et al. BLOCKCHAIN-TECHNOLOGIE - für die industrielle Produktion und digitale Kreislaufwirtschaft [in press]* German (ed Kühne, C.) 2019.
6. Fuchs, S. & Sunyaev, A. *TÜV Plakette für Cloud-Dienste - das am KIT koordinierte AUDITOR Programm wird die Sicherheit von Cloud-Anbietern zertifizieren - Campusreport am 05.06.2018* German. 2018. doi:10.5445/DIVA/2018-375.
7. Schmidt-Kraepelin, M., Thiebes, S., Lins, S. & Sunyaev, A. *Gamification of enterprise systems - A synthesis of mechanical, dynamics, and risks* 2016.
8. Schneider, S., Wollersheim, J., Krcmar, H. & Sunyaev, A. *Cross-functional Cloud Sourcing in Corporate Practice Pitfalls and Lessons Learned from an Early Adopter* Vortrag gehalten auf PREICIS SIM Academic Workshop "The Business Payoff of Cloud Services" (2013), Mailand, Italien, 14. Dezember 2013. 2013.
9. Sunyaev, A. *Design and Application of a Security Analysis Method for Healthcare Telematics in Germany (HatSec)* Vortrag gehalten auf GI FG SIDAR Graduierten-Workshop über Reaktive Sicherheit (SPRING 2009), Stuttgart, Deutschland, 14.–15. September 2009. 2009. doi:10.17877/DE290R-708.