

Qualifications

PhD, The calibration of the electromagnetic CsI(Tl) calorimeter of the BABAR detector with Bhabha scattering events, Institute of Nuclear and Particle Physics
Award Date: 20 Nov 2001

Physics, Diplom, Monte-Carlo-Studie zur Messung der zeitabhängigen CP-Asymmetrie in B-Meson-Zerfällen mit dem BABAR-Detektor, Institute of Nuclear and Particle Physics
Award Date: 25 Sept 1996

Employment

Academic Staff

Department of Distributed and Data Intensive Computing (VDR)
Technische Universität Dresden
1 Apr 2005 → present

Research outputs

Research data infrastructures in environmental sciences—Challenges and implementation approaches focusing on the integration of software components

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Degbelo, A., Henzen, C., Grieb, J., Klammer, R., Weiland, C., Bernard, L. & Müller-Pfefferkorn, R., 1 May 2023, Zenodo.

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ProMetaS – A Metadata Schema for Process Engineering and Industry

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AI in Process Industries – Current Status and Future Prospects

Bortz, M., Dadhe, K., Engell, S., Gepert, V., Kockmann, N., Müller-Pfefferkorn, R., Schindler, T., & 1 othersUrbas, L., 13 Apr 2023, In: Chemie-Ingenieur-Technik. 95, 7, p. 975-988 14 p.

Approaches and tools for user-driven provenance and data quality information in spatial data infrastructures

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Brand, O., Bruhn, K., Cyra, M., Fingerhuth, M., Gerlach, R., Jacob, B., Krömer, C., & 6 othersMüller-Pfefferkorn, R., Neuroth, H., Paul-Stüve, T., Rehwald, S., Straka, J. & Weiner, B., 2023, *1st Conference on Research Data Infrastructure (CoRDI) - Connecting Communities*. Karlsruhe, Vol. 1. 3 p.

Data Stewards an den TU9-Universitäten – Bestandsaufnahme, Handlungsfelder und Kooperationspotenzial

Steinke, B., Hausen, D., Kuberek, M., Hora, M., Kessler, K., Kramer, C., Fuhrmans, M., & 6 othersGrunwald-Eckhardt, L., Hermann, S., Müller-Pfefferkorn, R., Neumann, J., Queitsch, M. & Strötgen, R., 14 Mar 2022, In: Bausteine Forschungsdatenmanagement : Empfehlungen und Erfahrungsberichte für die Praxis von Forschungsdatenmanagerinnen und -managern. 2022, 1, p. 1–12

MANAGING RESEARCH DATA IN CIVIL ENGINEERING RESEARCH PROJECTS

Unger, R., Kalthoff, M., Müller-Pfefferkorn, R., Nagel, W. E., Matschei, T. & Raupach, M., 2022, In: fib PhD Symposium 2022. p. 2668-2675 8 p.

A Research Data Infrastructure Component for the Automated Metadata and Data Quality Extraction to Foster the Provision of FAIR Data in Earth System Sciences

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Axtmann, A., Böker, E., Brand, O., Cyra, M., Dworschak, N., Fingerhuth, M., Gerlach, R., & 14 othersHartmann, N., Jagusch, G., Krähwinkel, E., Lipp, R., Müller-Pfefferkorn, R., Nauss, T., Neuroth, H., Putnings, M., Rehwald, S., Rex, J., Rohrwild, J., Slowig, B., Thiemann, S. & Weiner, B., 1 Mar 2021, 6 p. Zenodo.

Touch Identification on Sensitive Robot Skin Using Time Domain Reflectometry and Machine Learning Methods

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Wagner, M., Rümmler, A., Henzen, C., Mäs, S., Müller-Pfefferkorn, R. & Bernard, L., 2020.

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Performance Evaluation of the Metadata-driven MASi Research Data Management Repository Service

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A Workflow for the Integral Performance Analysis of Cloud Applications Using Monitoring and Tracing Techniques

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The MoSGrid science gateway - A complete solution for molecular simulations

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On the modelling of one-sided communication systems

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The MoSGrid-e-Science Gateway: Molecular Simulations in a Distributed Computing Environment

Packschies, L., Birkenheuer, G., Blunk, D., Breuers, S., Brinkmann, A., Dos Santos Vieira, I., Fels, G., & 13 others Gesing, S., Grunzke, R., Herres-Pawlis, S., Kohlbacher, O., Krüger, J., Kruse, M., Lang, U., Müller-Pfefferkorn, R., Schäfer, P., Schlemmer, T., Steinke, T., Warzecha, K-D. & Zink, A., 2013, In: Journal of cheminformatics. 5, Suppl 1, 1 p., O3.

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Achieving scalability for job centric monitoring in a distributed infrastructure

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