

Curriculum Vitae - Jun.-Prof. Dr. Christian Krupitzer

Personal Data

Title	Jun.-Prof. Dr.
First name	Christian
Name	Krupitzer
Birthday	June 15, 1987, in Heidelberg, Germany
Marital status	Married; 3 children
Current position	Professorship
Current institution(s)/site(s), country	Department of Food Informatics, University of Hohenheim, Germany
Identifiers/ORCID	0000-0002-7275-0738

Qualifications and Career

Stages	Periods and Details
Degree programme	2026: Habilitation, Computer Science, Univ. of Würzburg, Germany 2012: M.Sc. Business Informatics, Univ. of Mannheim, Germany, ERASMUS semester: Vrije Univ. Amsterdam 2010: B.Sc. Business Informatics, Univ. of Mannheim, Germany
Doctorate	01/2013-08/2018: <i>Dr. rer. pol.</i> , Information Systems, Univ. of Mannheim, Germany
Stages of academic/professional career	Since 10/2020: Tenure Track Professor for Food Informatics, Univ. of Hohenheim 09/2018–09/2020: Postdoctoral Researcher and Research Group Leader of the IoT and Cyber-physical System Group, Univ. of Würzburg 11/2012–08/2018: Research Associate, Information Systems Group, Univ. of Mannheim

Activities in the Research System

- 2025-2027 Reviewer for the BMWK Industriellen Gemeinschaftsforschung (IGF) as member of the “Gutachtergruppe 6 – Medizintechnik und Systemtechnik”
- Since 2021 Commission of Study Affairs and Admissions Committee for “M.Sc. Bioeconomy” at the University of Hohenheim
- 2023, 2024 Artefact Chair IEEE PerCom
- 2021-2023 Member of the Task Force for Digital Transformation at the University of Hohenheim
- 2019-2022 Steering Committee Secretary for International Conference on Autonomic Computing and Self-Organizing Systems (ACSOS)
- Since 2014 Program Committee Member of several scientific conferences, such as CCNC, ICAC, ACSOS, ITSC, PerCom
- Since 2014 Reviewer for various conferences (such as CCNC, ICAC, ACSOS, ITSC, PerCom), journals (MDPI Foods, IEEE T-ITS, Elsevier FGCS among others), and government agencies (e.g., DFG, ANR, EIP-Agri RLP)

Additionally, Christian Krupitzer is member of the DHV, DGL (Gesellschaft Deutscher Lebensmitteltechnologien), DLG (Deutsche Landwirtschafts-Gesellschaft), GI (Germany Society for Computer Science), and GIL (Gesellschaft für Informatik in der Land-, Forst- und Ernährungswirtschaft e.V.).

Academic Distinctions

- 2024 Best Poster Award, International Conference on Autonomic Computing and Self-Organizing Systems (ACSOS; CORE: B)
- 2023 Nominated by the University of Hohenheim for the Heinz Maier-Leibnitz-Preis
- 2022 Outstanding Service Award International Conference on Autonomic Computing and Self-Organizing Systems (ACSOS)
- 2021 Best Paper Award, IEEE International Conference on Pervasive Computing and Communication (PerCom; CORE: A*)

Scientific Results

Metrics in Google Scholar (as of mid of January 2026): 130 documents listed, 2,745 citations, h-index of 26. Below, ten important publications are presented below:

1. Jox, D., Borsum, C., Hummel, D., Hinrichs, J., **Krupitzer, C.#** (2025): Enhancing dairy processing with machine learning and domain knowledge: A combined analysis of offline and time series data. *Journal of Food Engineering* 391. <https://doi.org/10.1016/j.jfoodeng.2024.112423>.
2. **Krupitzer, C.#**, Stein, A. (2024): Unleashing the Potential of Digitalization in the Agri-Food Chain for Integrated Food Systems. *Annual Review of Food Science and Technology* 15. <https://doi.org/10.1146/annurev-food-012422-024649>
3. Anker, M.; Borsum, C.; Zhang, Y.; Zhang, Y.; **Krupitzer, C.#** (2024) Using a Machine Learning Regression Approach to Predict the Aroma Partitioning in Dairy Matrices. *Processes* 12, 266. <https://doi.org/10.3390/pr12020266>
4. Oppen, D., Attig, T., Weiss, J., **Krupitzer, C.#** (2023): Anticipating food structure of meat products from mastication physics applying machine learning. *Food Research International* 174(1), 113576. <https://doi.org/10.1016/j.foodres.2023.113576>
5. Anker, M., Yousefi-Darani, A., Zettel, V., Paquet-Durand, O., Hitzmann, B., **Krupitzer, C.#** (2023): Online Monitoring of Sourdough Fermentation Using a Gas Sensor Array with Multivariate Data Analysis. *Sensors* 23(18), 7681. <https://doi.org/10.3390/s23187681>
6. Henrichs, E., Noack, T., Pinzon Piedrahita, A.M., Salem, M.A., Stolz, J., **Krupitzer, C.#** (2022): Can a Byte Improve Our Bite? An Analysis of Digital Twins in the Food Industry. *Sensors* 22(1), 115. <https://www.mdpi.com/1424-8220/22/1/115>
7. **Krupitzer C.#**, Stein A. (2021): Food Informatics-Review of the Current State-of-the-Art, Revised Definition, and Classification into the Research Landscape. *Foods* 10(11):2889. <https://www.mdpi.com/2304-8158/10/11/2889>
8. Züfle, M., Moog, F., Lesch, V., **Krupitzer, C.**, Kounev, S. (2021): A Machine Learning-based Workflow for Automatic Detection of Anomalies in Machine Tools. *ISA Transactions* 125, 445-458. <https://doi.org/10.1016/j.isatra.2021.07.010>
9. **Krupitzer, C.#**, Sztyler, T., Edinger, J., Breitbach, M., Stuckenschmidt, H., Becker, C. (2018): Hips do lie! A Position-Aware Mobile Fall Detection System. *Proc. IEEE International Conference on Pervasive Computing and Communications*, 1-10. <https://doi.org/10.1109/PERCOM.2018.8444583>
10. **Krupitzer, C.#**, Roth, F., VanSyckel, S., Schiele, G. Becker, C. (2015): A survey on engineering approaches for self-adaptive systems. *Pervasive and Mobile Computing* 17(B), 184-206. <https://doi.org/10.1016/j.pmcj.2014.09.009>