Prof. Dr. Henrik Leopold

Personal Data

Title	Prof. Dr.
First name	Henrik
Name	Leopold
Current position	Associate Professor for Data Science and Business Intelligence
Current institution(s)/site(s), country	Kühne Logistics University, Hamburg Germany Hasso Plattner Institute, University of Potsdam
Identifiers/ORCID	0000-0003-4862-1829

Qualifications and Career

Stages	Periods and Details
Degree programme	2011 - 2015 Research Assistant, Institute of Information Systems, Humboldt University of Berlin, Berlin, Germany 2010 Master of Science in Information Systems,Humboldt University of Berlin, Germany 2008 Bachelor of Science in Information Systems, Berlin School of Economics and Law (Dual study program)
Doctorate	2013 Ph.D. in Information Systems (Dr. rer. pol.), Humboldt University of Berlin, Germany (summa cum laude)
Stages of academic/ professional career	Since 2020 Associate Professor for Data Science and Business Intelligence, Kühne Logistics University, Hamburg, Germany 2019 – 2020 Assistant Professor for Data Science and Business Intelligence, Kühne Logistics University, Hamburg, Germany 2015 – 2019 Assistant Professor, Department of Computer Science, VU Amsterdam, Amsterdam, The Netherlands 2014 – 2015 Assistant Professor, Institute for Information Business, WU Vienna, Vienna, Austria

Engagement in the Research System

Chairing and Organization

Since 2017	Associate Editor, Business & Information Systems Engineering (BISE)
Since 2019	Program Committee Member, International Conference on Process Mining (ICPM)
Since 2017	Program Committee Member, International Conference on Advanced

	Information Systems Engineering (CAiSE)
Since 2015	Program Committee Member, International Conference on Business Process Management
2022	Program Co-Chair, 1st Workshop on Natural Language Processing for Business Process Management (NLP4BPM 2022)
2022	Program Co-Chair, 12th International Workshop on Enterprise Modeling and Information Systems Architectures (EMISA 2022)
2020	Workshop Chair, International Conference on Process Mining (ICPM 2020)
2020	Workshop Chair, International Conference on Business Process Management (BPM 2020)
2020	Track Chair, International Conference on Wirtschaftsinformatik (WI 2020), Track: Digital Processes and Architectures
2019	Track Chair, European Conference on Information Systems (ECIS 2019) Track: Modelling and Managing the Digital Enterprise and its Business Processes
2017	Demo Chair, International Conference on Business Process Management
2017	Program Co-Chair, International Workshop on Process Querying (PQ 2017)
2016	Program Co-Chair, Workshop on Business Process Management and Ontologies (BPMO 2016)

Academic Visits

05/2017	Guest Professor, University of Mannheim, Mannheim, Germany Chair: General Management and Information Systems
09-11/2014	Visiting Scholar, University of Mannheim, Mannheim, Germany Chair of Artificial Intelligence
03-04/2012	Visiting Scholar, UNIRIO, Rio de Janeiro, Brazil, Department of Applied Informatics Funded by the German Academic Exchange Service (DAAD)
04-07/2010	Technical University of Eindhoven, Eindhoven, The Netherlands School of Industrial Engineering, Information Systems

Reviewing

I have been reviewing for several journals, including:

- ACM Computing Surveys
- ACM Transactions on Management Information Systems
- Business Process Management Journal
- Computers in Industry
- Data & Knowledge Engineering
- Decision Support Systems
- IEEE Transactions on Services Computing
- IEEE Transactions on Software Engineering
- Information Processing Letters

- Information Systems
- Journal of Systems and Software
- Journal on Data Semantics
- Software and Systems Modeling

Supervision of Researchers in Early Career Phases

2022	Dr. Jelmer Koorn, Utrecht University, The Netherlands
2020	Dr. Iurii Konovalenko, Kühne Logistics University, Germany
2019	Dr. Elena Kuss, University of Mannheim, Germany
2018	Prof. Dr. Han van der Aa, Vrije Universiteit Amsterdam
Currently	7 pending

Scientific Results

1. B. Schäfer, H. van der Aa, H. Leopold, and H. Stuckenschmidt. Sketch2process: End-to-end bpmn sketch recognition based on neural networks. IEEE Transactions on Software Engineering, 2022.

2. J. J. Koorn, X. Lu, H. Leopold, and H. A. Reijers. From action to response to effect: Mining statistical relations in work processes. Information Systems, page 102035, 2022.

3. H. van der Aa, A. Rebmann, and H. Leopold. Natural language-based detection of semantic execution anomalies in event logs. Information Systems, 102, 2021.

4. H. van der Aa, H. Leopold, and M. Weidlich. Partial order resolution of event logs for process conformance checking. Decision Support Systems, 136, 2020.

5. H. van der Aa, H. Leopold, and H. Reijers. Efficient process conformance checking on the basis of uncertain event-to-activity mappings. IEEE Transactions on Knowledge and Data Engineering, 32(5):927 – 940, 2020.

6. H. van der Aa, H. Leopold, and H. A. Reijers. Checking process compliance against natural language specifications using behavioral spaces. Information Systems, 78:83–95, 2018.

7. H. van der Aa, H. Leopold, A. del Río-Ortega, M. Resinas, and H. A. Reijers. Transforming unstruc- tured natural language descriptions into measurable process performance indicators using hidden markov models. Information Systems, 71:27–39, 2017.

8. H. van der Aa, H. Leopold, and H. A. Reijers. Comparing textual descriptions to process models - the automatic detection of inconsistencies. Information Systems, 2016.

9. F. Pittke, H. Leopold, and J. Mendling. Automatic detection and resolution of lexical ambiguity in process models. IEEE Transactions on Software Engineering, 41(6):526–544, 2015.

10. H. Leopold, J. Mendling, and A. Polyvyanyy. Supporting process model validation through natural language generation. IEEE Transactions on Software Engineering, 40(8):818–840, 2014.

Academic Distinctions

2022	**Award for Outstanding Teaching at KLU**
	Awarded for best student evaluations in the year 2021/2022.

2022	**Best Reviewer Award at BPM 2022**
	Awarded for my high quality reviews at BPM 2022.

2020	**Best Student Paper Award at BPM 2020**
	Awarded for our paper "Looking for Meaning: Discovering Action-Response-Effect Patterns in Business Processes".

2017	**Runner-up best paper award at CAiSE 2017**
	Awarded for our paper "Checking process compliance on the basis of uncertain event-to-activity mappings".

2014	**TARGION Dissertation Award (10,000 EUR)**
	Awarded for the best dissertation in the area of strategic information management and digitalization.

2013	**Runner-up of the McKinsey Technology Award (3,000 EUR)**
	Awarded for my research on natural language generation from business process models.

Data protection and consent to the processing of optional data

[X] **I expressly consent to the processing of the voluntary (optional) information, including "special categories of personal data" in connection with the DFG's review and decision-making process regarding my proposal.** This also includes forwarding my data to the external reviewers, committee members and, where applicable, foreign partner organisations who are involved in the decision-making process. To the extent that these recipients are located in a third country (outside the European Economic Area), I additionally consent to them being granted access to my data for the above-mentioned purposes, even though a level of data protection comparable to EU law may not be guaranteed. For this reason, compliance with the data protection principles of EU law is not guaranteed in such cases. In this respect, there may be a violation of my fundamental rights and freedoms and resulting damages. This may make it more difficult for me to assert my rights under the General Data Protection Regulation (e.g. information, rectification, erasure, compensation) and, if necessary, to enforce these rights with the help of authorities or in court.

I may **revoke** my consent in whole or in part at any time – with effect for the future, freely and without giving reasons – vis-à-vis the DFG (postmaster@dfg.de). The lawfulness of the processing carried out up to that point remains unaffected. Insofar as I transmit "special categories of personal data" relating to third parties, I confirm that the necessary legitimation under data protection law exists (e.g. based on consent).

I have taken note of the DFG's Data Protection Notice relating to research funding, which I can access at www.dfg.de/privacy_policy and I will forward it to such persons whose data the DFG processes as a result of being mentioned in this CV.