





LEIZA AI Days 2026

Detailed Programme — Tuesday, 9 June 2026

Morning Programme: Internal Contributions (LEIZA & Partners)	
Talks: 15–40 minutes each (incl. discussion)	
09:00 – 09:15	Introduction Director General, LEIZA <i>Opening of the AI Days</i>
09:15 – 09:50	Ghaus Rabbani & Guido Heinz & David Daub LEIZA <i>Wrangling AI in the wild: Analyse, select, and secure your workflow - An overview of how is the AI landscape today, what it means for researchers, what options we are exploring at LEIZA, and how to secure your AI workflows.</i>
09:50– 10:10	Dr. João Marreiros & Dr. Paolo Sferrazza LEIZA & Dr. Anastasia Eleftheriadou <i>Applying A1 and machine learning to use-wear analysis: New approaches to reconstructing past tool use</i>
10:10 – 10:25	Dominik Kimmel LEIZA <i>Deep Learning supported Cataloguing</i>
10:25 – 10:40	 <i>Coffee Break</i>
10:40 – 10:55	Dr. Annette Frey LEIZA <i>AI in Library Research</i>
10:55 – 11:15	Lasse Mempel-Länger & Florian Thiery & Dr. Allard Mees LEIZA <i>NLP and Semantic Reasoning in Computational Archaeology and Research Software Engineering - Applied AI Methodologies for Archaeological Research within the LEIZA Department of Scientific IT as contribution to the LEIZA long-term research and competence areas as well as the NFDI universe</i>
11:15 – 11:35	Dr. Maxime Bami & Kevin Klein & Andrea Stinner Universität Mainz Dipl.-Ing. (FH) Anja Cramer & Benjamin Streubel M. A. & apl. Prof. Dr. Holger Baitinger & PD Dr. Ursula Brosseder LEIZA <i>AutArch — AI-Assisted Artefact Analysis for Hallstatt-Period Alb-Hegau Ceramics</i>
11:35 – 13:15	 <i>Lunch Break</i>

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Afternoon Programme: External Keynotes	
Keynotes: 40 minutes each (incl. discussion)	
13:15 – 13:55	Dr. Alex Brandsen Universiteit Leiden <i>Text Mining with AI in Archaeology - the State of the Art and Future Directions</i>
13:55 – 14:35	Dr. Martin Theuerkauf Universität Greifswald <i>Application of AI in the Taxonomic Identification of Pollen: New Methods in Automated Palynology</i>
14:35 – 15:15	Prof. Dr. Ingo J. Timm Universität Trier & DFKI <i>Distributed AI for Archaeological Research: From Agent-based Modeling to Cognitive Social Simulation</i>
15:15 – 15:30	 Coffee Break
15:30 – 16:10	Dr. Jordy D. Orellana Figueroa Eberhard Karls Universität Tübingen <i>Machine Learning in Archaeology: Insights from a 5-Year Research Trajectory</i>
16:10 – 16:50	Dr. Alexandra Karamitrou University of Southampton <i>AI and Remote Sensing for Identifying Archaeological Targets on Land and Underwater</i>
16:50 – 17:30	Dr. Gabriele Gattiglia Università di Pisa <i>Beyond AI as a Tool: Rethinking Archaeology in the Age of Artificial Intelligence</i>
17:30 – 17:45	 Coffee Break
17:45 – 18:00	Closing Remarks LEIZA <i>Summary and Outlook</i>
18:00	<i>End of Event</i>