Austrian Research Institute for Artificial Intelligence (*Österreichisches Forschungsinstitut für Artificial Intelligence*, or OFAI)

OFAI is a non-profit contract research institution with 42 years of experience in AI research and its transfer to industry. In solving problems for and with its partners, OFAI uses and develops research methods from machine learning, deep learning, data mining, language and speech technology, human–computer and human–robot interaction, intelligent software agents, and other software technologies.

Dedicated research areas are:

- Natural Language Processing
- Linguistics
- Machine Learning
- Robots and Cobots
- Companion Technologies – Virtual Agents and Social Robots
- Arts and AI

A selection of recent publications:

Steffen Eger, Yong Cao, Jennifer D'Souza, Andreas Geiger, Christian Greisinger, Stephanie Gross, Yufang Hou, Brigitte Krenn, Anne Lauscher, Yizhi Li, Chenghua Lin, Nafise Sadat Moosavi, Wei Zhao, and Tristan Miller: *Transforming Science with Large Language Models: A Survey on AI-assisted Scientific Discovery, Experimentation, Content Generation, and Evaluation.* To appear in ACM Computing Surveys.

Rok Smodiš, Stephanie Gross, Margarete Jahrmann, Brigitte Krenn. Self-Introspection in a Historical LLM Role-Playing Game. To appear in KONVENS 2026.

Madl, T. (under review, preprint available). *Text-measured cognitive complexity predicts belief revision in AI persuasion.* PsyArXiv

Lorenz Gutscher and Michael Pucher: *Audio-Based Classification and Geographic Regression of Austrian Dialects.* Interspeech 2025. 2765–2769

Hallman, Peter (2025) "A- and A'-Dependencies in Standard Arabic: Evidence from Comparatives," in Alqassas, Ahmad (ed.) Perspectives on Arabic Linguistics XXXV, John Benjamins Publishing Company, Amsterdam, pp. 110-136.