

Methods & Algorithms for AI

KNOW-CENTER

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Competences along the AI Lifecycle

2001 founded

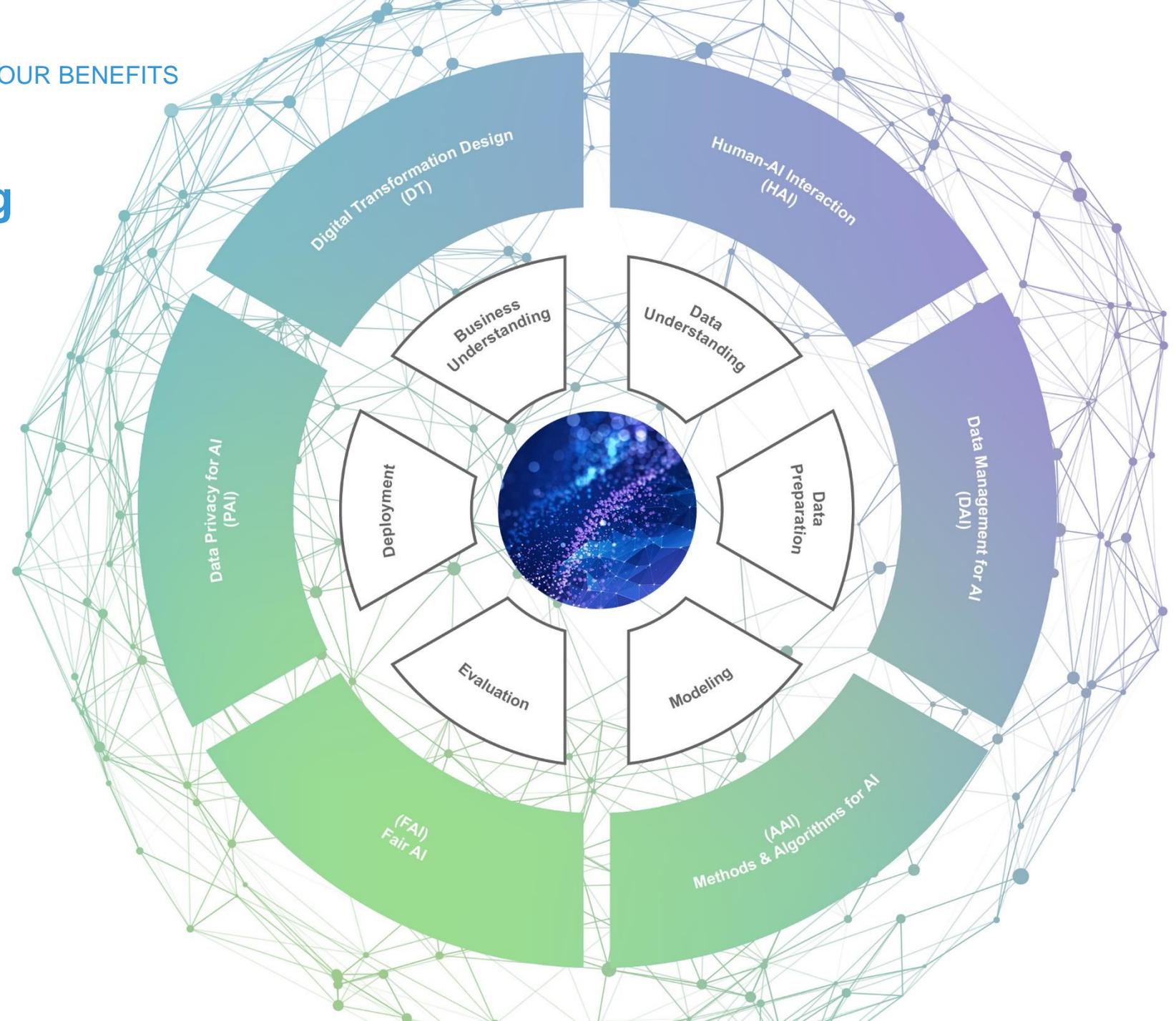
100+ p.a. successfully completed industry projects

90+ company partners

150+ employees from 20+ nations

260+ science partners

50+ publications in outstanding international venues



Area Description

Key People

Bernhard Geiger

Area Head and Team Lead Machine Learning

Heimo Gursch

Team Lead Data Science

Mark Kröll

Team Lead Natural Language Processing

Andreas Windisch

Team Lead Deep & Reinforcement Learning



Area Members

Total of 20+ people

Post-Docs (5x)

PhD students (7x)

Diverse backgrounds

Computer Science

Physics

Mathematics

Mechanical Engineering

Biosignal Processing

Electrical Engineering

etc.

Research Approach

**Domain-Informed
Deep Reinforcement
Learning**

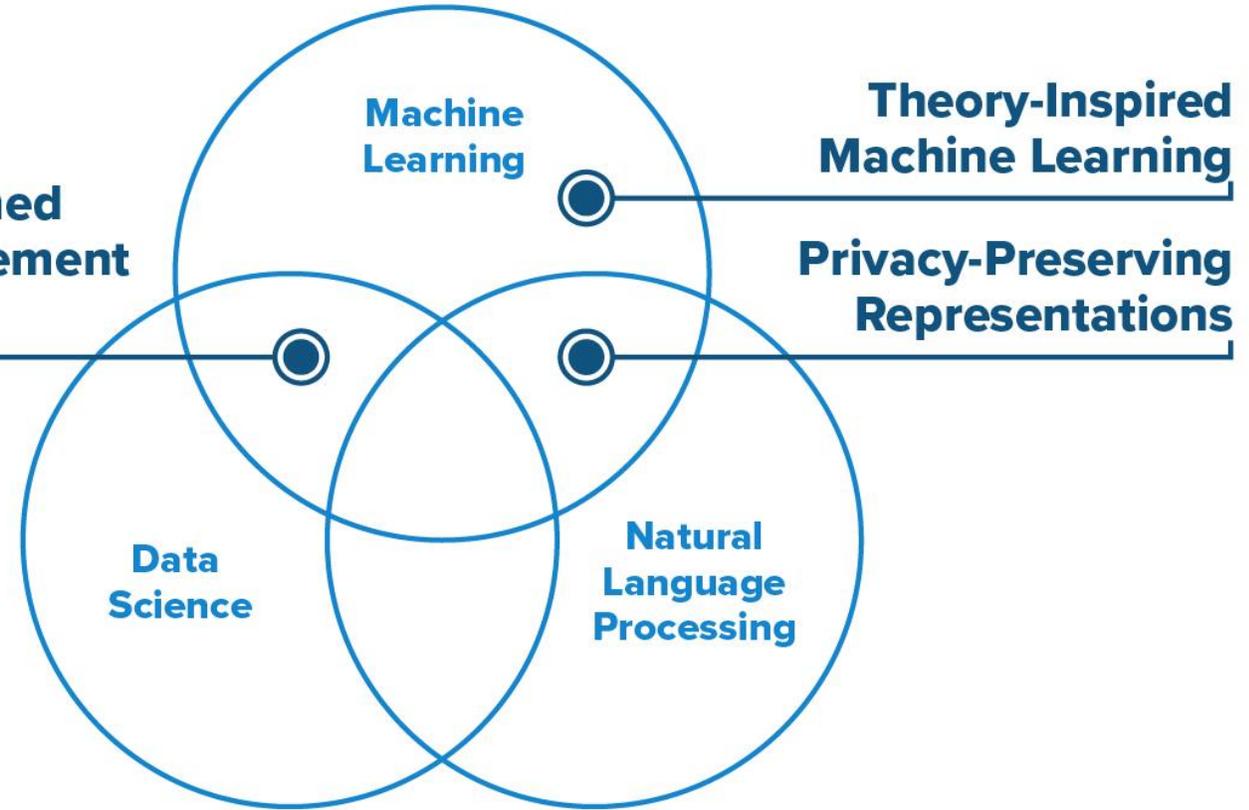
**Machine
Learning**

**Theory-Inspired
Machine Learning**

**Privacy-Preserving
Representations**

**Data
Science**

**Natural
Language
Processing**



- Conduct research on the theoretical underpinnings of (machine learning) algorithms
- Combine domain knowledge (e.g., causal models) with algorithmic model development
- Provide algorithmic solutions to industry & academia