connecting **people** to **information**

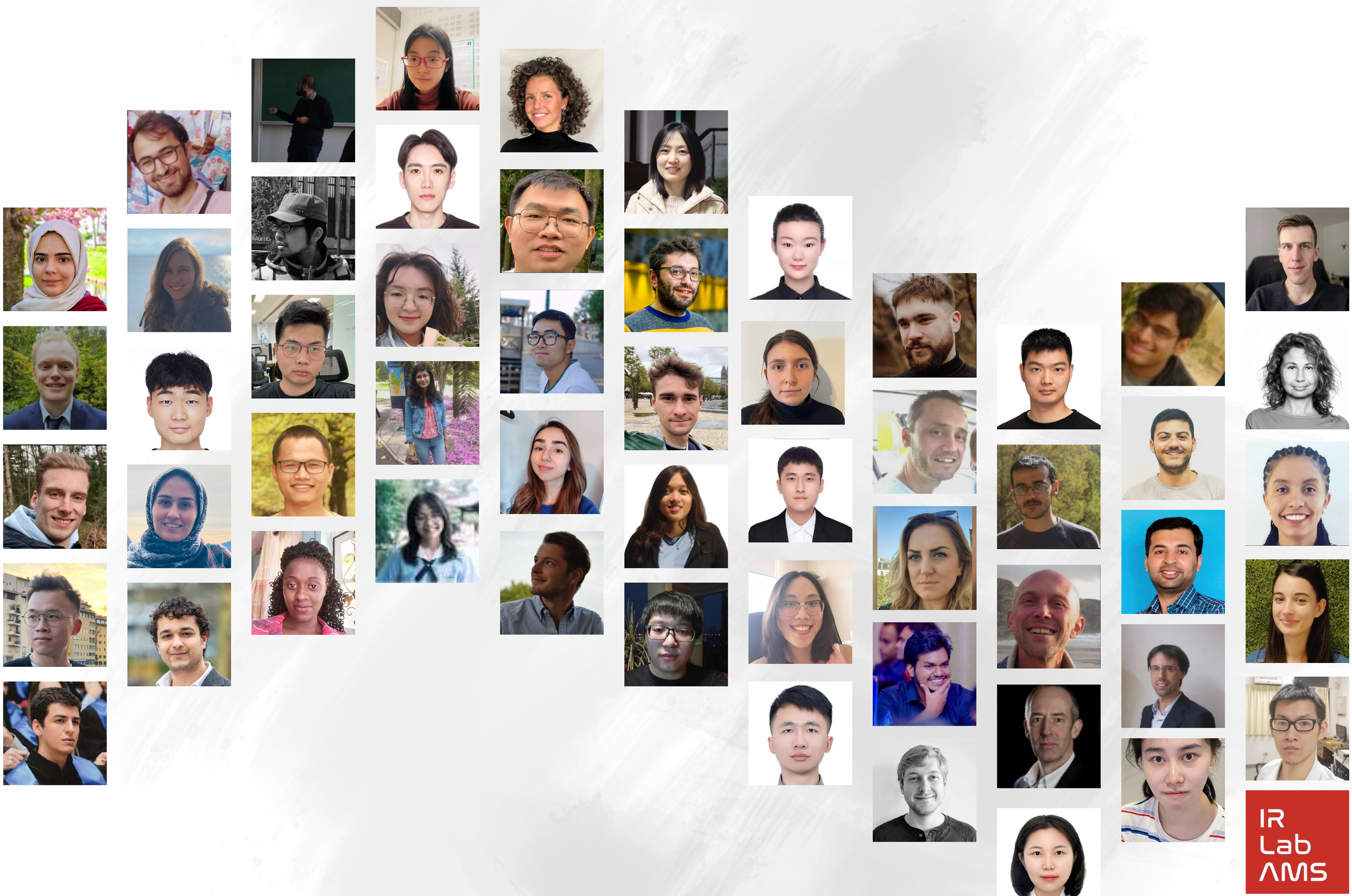
Mission and Goals

We aim to design, develop, and evaluate cutting-edge, trustworthy data-driven algorithms for **search engines**, **recommender systems**, and **conversational AI**. Our mission is to push the boundaries of innovation by crafting solutions that are **robust**, **reliable**, and aligned with **real-world needs**.

Key Challenges

Our research addresses pressing challenges, such as **learning from user interactions** under realistic constraints and developing content and behavior representations that cater to **diverse populations and evolving user needs**.

We navigate **limited compute resources**, **scarce open datasets**, and **restricted access to real users** interacting with systems.



Our Approach

We bridge **theory** and **practice** by combining rigorous algorithms and metrics with experimental insights. A core aspect of our work is ensuring that our findings are valid across diverse contexts, emphasizing **internal**, **external**, and **ecological validity**.

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