INVERSE

INteractive robots that intuitiVely lEarn to inVErt tasks by ReaSoning about their Execution

VISION

The project's scientific objective entails developing advanced algorithms and methodologies to imbue **robotic systems** with the cognitive capabilities necessary to **interpret, supervise,** and **enact reverse plans** derived from explicit tasks articulated in human-comprehensible terms.
This involves intricate processes of sensor interpretation, environmental modeling, decision-making, and action execution, all aimed at enabling robots to **autonomously** navigate and accomplish complex tasks in dynamic real-world environments.

01 Jan 2024 - 31 Dec 2027

11 partners

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INVERSE TASK

DIRECT TASK

MULTI-MODAL CONTINUAL LEARNING AND EXECUTION

QUALITY CONTROL