ETH Zurich Campus Heilbronn – Bridging Swiss Excellence at the Heart of Germany's AI Hub

Dr. Michele De Lorenzi, Managing Director

Agreement between ETH Zürich and Dieter Schwarz Stiftung

- ETH Zurich is establishing a teaching and research center for responsible digital transformation on the educational campus of the Dieter Schwarz Foundation in Heilbronn.
- Time horizon **30 years**
- **15 new professorships in Heilbronn** (+5 in Zurich)
  - Employees: approx. 300 people
  - Teaching: Master's degree programs, continuing education
  - Approx. 750 students
- Funded by the Dieter Schwarz Foundation (largest donation to ETH Zurich to date)

We want to play to Europe's strengths

« CERN of AI »

Professorship Profiles – Investment in Fundamentals & Impact

Thematic Focus

Human Centric

(ethically informed & socially responsible)

AI for the Social Good

(support decision making in complex data-rich systems)

7-8 Professorships

Foundation

Artificial Intelligence

(trustyworthy AI systems / robust & interpretable AI methods)

Information & Cyber Security

(securing digital infrastructures / protecting from cyber attacks)

7-8 Professorships

Social Added Value through Responsible Digital Transformation

A very tight timetable

Dec. 2023
MoU

Jan. 2025
gGmbH / SL-
Delegierter

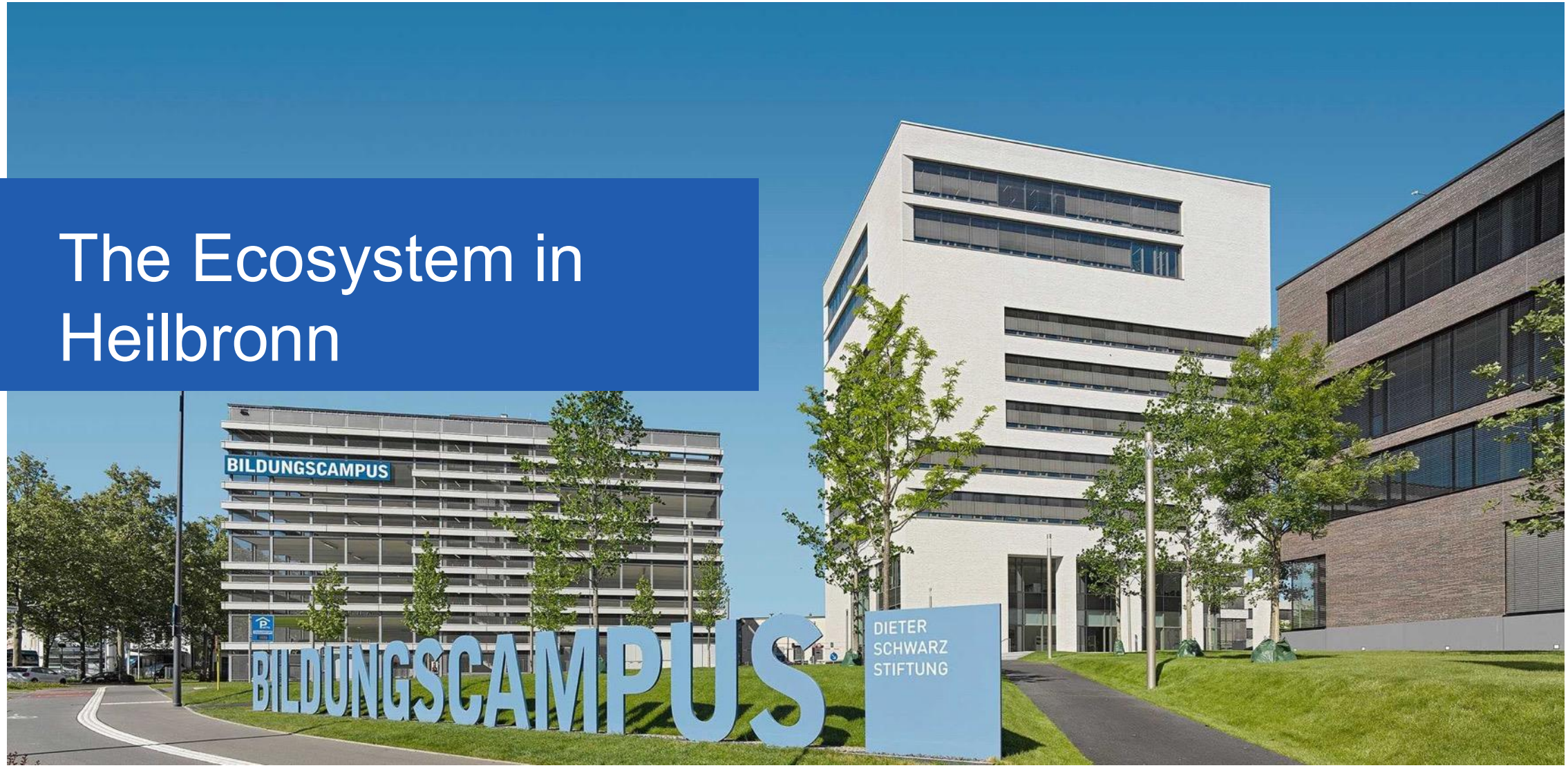
Oct. 2025
Professors
profiles

Dec. 2025
Collaboration
agreement signed

2. July 2026
Inauguration

2027
First professors

The Ecosystem in Heilbronn




wissensstadt
heilbronn
HN Heilbronn
Stimme Mediengruppe
experimenta
Das Science Center
BILDUNGS CAMPUS
DIETER SCHWARZ STIFTUNG
IPAI

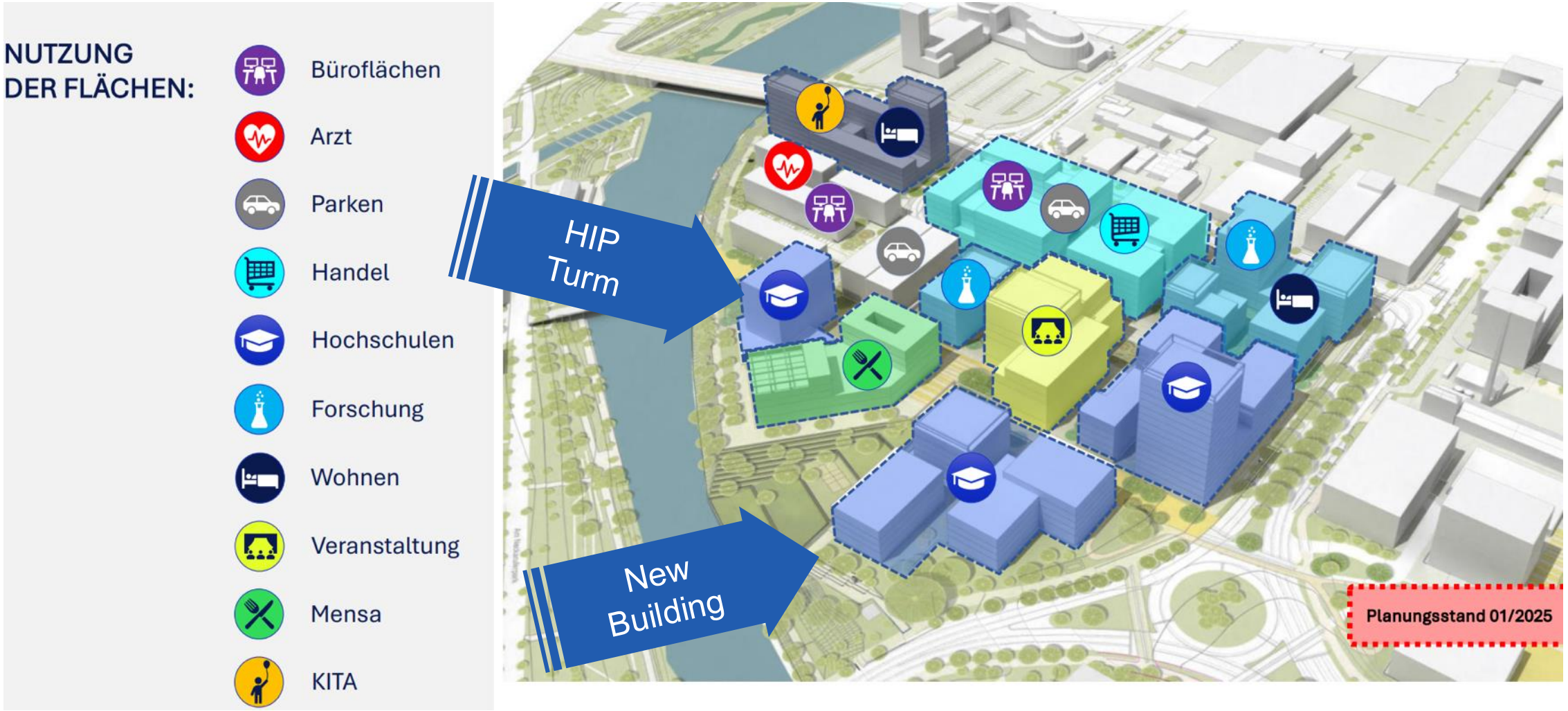
Institution at the Bildungscampus Heilbronn

Innovation Park Artificial Intelligence (IPAI) in Heilbronn

The **IPAI CAMPUS** will mark the next stage of growth, bringing together AI real-world laboratories, data centers, and work and project spaces across **30 hectares**, accommodating more than **5,000 people** working in AI.

The **Innovation Park Artificial Intelligence (IPAI)** in Heilbronn, Germany, currently includes **over 100 member and partner companies** and institutions. This ecosystem is rapidly expanding, growing from 60 partners in 2022 to more than 80 by mid-2025, and recently surpassing the 100-member milestone.

Locations of ETH Zürich on the Bildungscampus



January 2026
Our offices in HIP building

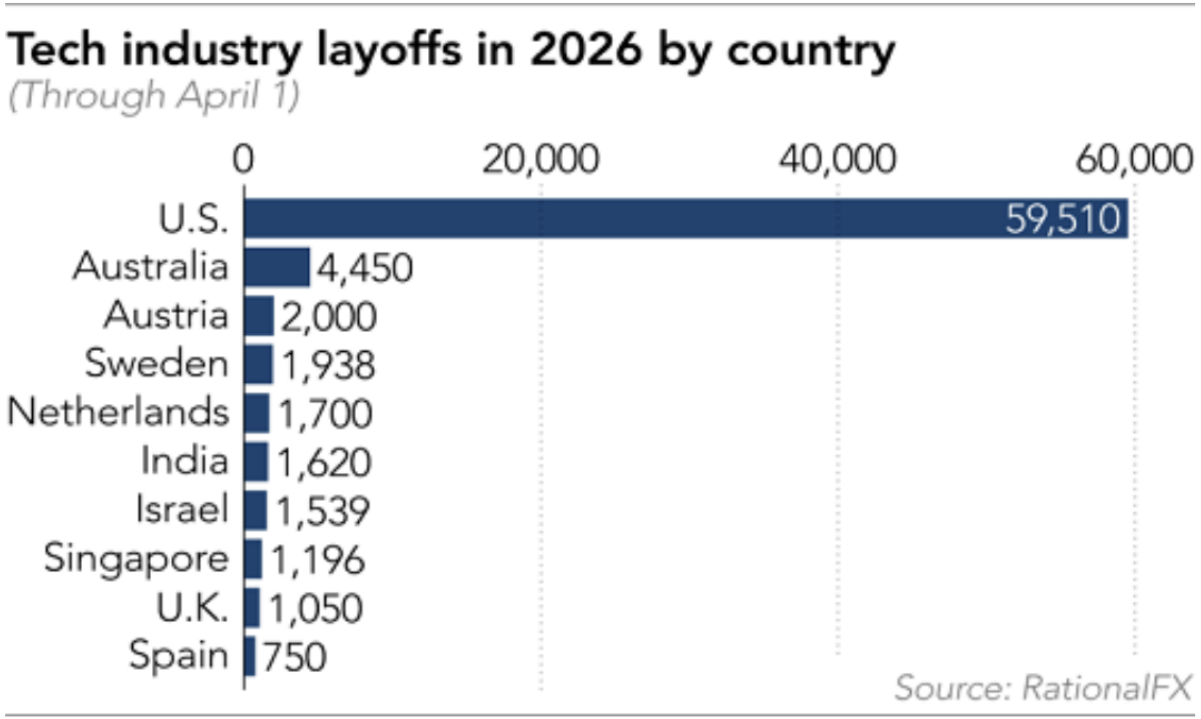
New Building for ETH Zürich (Planned 2030)
View from the Neckar

New Building for ETH Zürich
View from the Boulevard

New Building for ETH Zürich
Research Building

New Building for ETH Zürich
Teaching Building

Planning a Campus for the Next 30 Years …



Nearly 80,000 Tech Jobs Cut in Q1

An analysis by foreign exchange and international payments provider RationalFX found 78,557 technology industry workers were laid off globally during the first quarter of 2026, including more than 59,000 layoffs in the U.S. The analysis, based on layoff announcements, labor department data, and sites tracking the tech workforce, also revealed AI and workflow automation were directly or indirectly responsible for almost 50% (37,638) of the global tech layoffs.

[» Read full article *May Require Paid Registration]

Nikkei Asia; Yifan Yu (April 8, 2026)

Oracle Laying Off Thousands

Oracle has begun laying off thousands of workers as part of a larger effort to trim costs and place greater emphasis on AI, joining other tech firms like Meta, Block, Amazon, and Salesforce. U.S.-based tech employers announced more than 33,000 job cuts from January to February, a 51% increase from the same period a year prior, according to outplacement firm Challenger, Gray & Christmas.

[» Read full article]

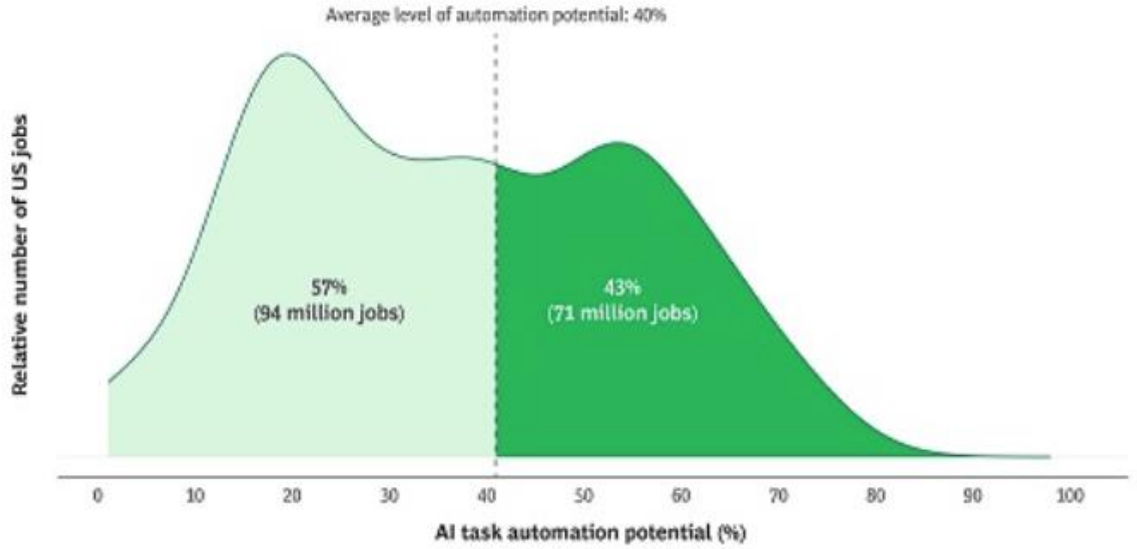
Los Angeles Times; Queenie Wong (April 1, 2026)

TechNews

Employment

EXHIBIT 2

Agentic AI May Drive High Levels of Task Automation in 43% of Jobs



Sources: Revelio Labs; O*NET; US Bureau of Labor Statistics; BCG Henderson Institute analysis.

AI Will Affect More Than Half of All U.S. Jobs, Analysis Finds

A Boston Consulting Group (BCG) study predicts 50% to 55% of U.S. jobs will be reshaped and 10% to 15% replaced over the next three to five years due to AI. BCG's Matthew Kropp said business leaders should concentrate on re-skilling workers and using AI to augment them. Kropp called software engineering the "poster child" of jobs that will see increased demand as AI helps lower costs.
[» Read full article]

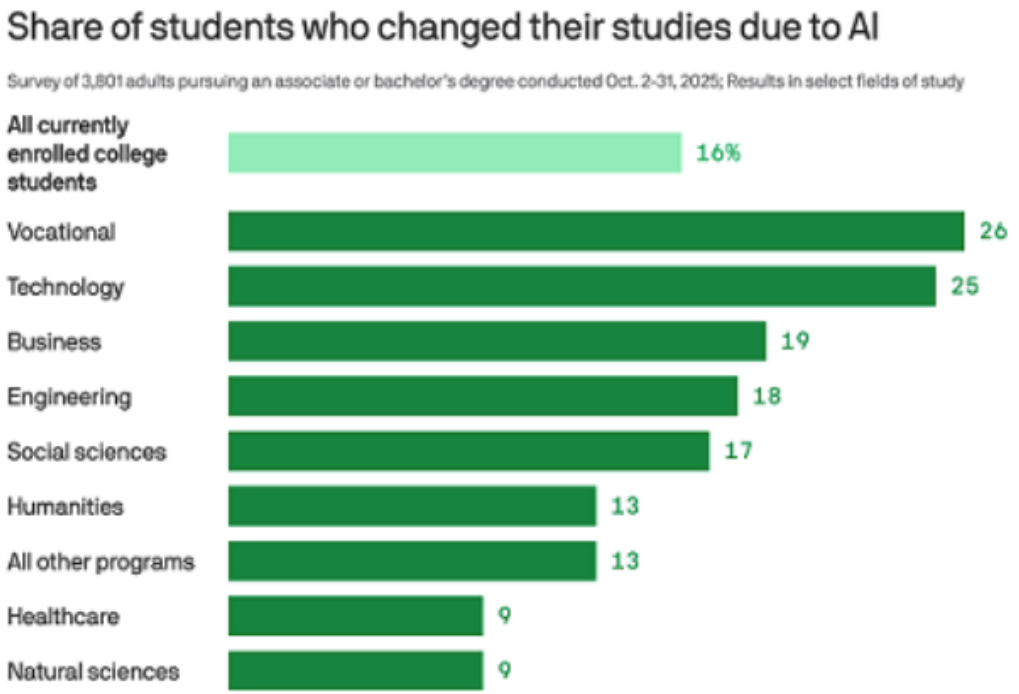
CBS News; Megan Cerullo (April 7, 2026)

The Hottest College Major Hit a Wall. What Happened?

Computer science, once the fastest-growing U.S. college major, is seeing a notable slowdown, with enrollments dropping 8.1% in 2025, according to the National Student Clearinghouse. While some attribute the decline, which is not uniform across schools, to fears AI could reduce coding job opportunities, the shift is more complex. Many students are moving into related fields like data science, robotics, and engineering, where enrollments have grown in recent years. A weaker job market for tech graduates and increased competition are also factors.

[» Read full article]

The Washington Post; Shira Ovide; Andrew Van Dam (April 13, 2026)



AI Is Making College Students Change Majors

Nearly half of respondents to a new Lumina Foundation-Gallup survey of 3,801 adults pursuing an associate or bachelor's degree said they've thought at least "a fair amount" about changing their major or field of study because of AI's potential impact. Another 16% said they've changed majors because of the impact AI might have on the job market.

[» Read full article]

Axios; Avery Lotz (April 2, 2026)

AI-Powered School Model Sparks Debate over 2-Hour Classroom Day

An AI-powered school model at the Bennett School in Houston is sparking debate for condensing academics into a two-hour daily block while dedicating the rest of the day to athletics. The program uses AI and focused learning techniques to personalize education, with supporters citing flexibility, strong test performance, and improved student engagement. Critics argue that such limited classroom time is insufficient, especially when supported by taxpayer-funded vouchers.

[» Read full article]

ABC13.com (Texas); Tony Atkins (April 7, 2026)

ACM TechNews

Limits

Maine Legislature Approves First U.S. Moratorium on Big Datacenters

Lawmakers in Maine passed a bill that could make the state the first in the U.S. to impose a moratorium on large new datacenters. The bill, which still needs final approval from the governor, would freeze approvals for datacenters requiring more than 20 megawatts of power until October 2027, while a state-appointed council analyzes their impact on the local grid, electricity bills, and air and water quality. Eleven states are considering similar legislation.

[» Read full article]

Reuters; Valerie Volcovici; Aditya Soni (April 14, 2026)

ACM TechNews

Limits

Scientists Find Alarming Environmental Impact from Vast Datacenters

New research highlights a growing environmental concern linked to AI datacenters: the creation of localized "heat islands." An international group of researchers found these facilities can raise surrounding land temperatures by an average of 3.6°F, with extreme cases reaching up to 16.4°F. The group analyzed over 6,000 sites located away from dense urban areas, and found impacts extending to a distance of up to 6.2 miles, affecting more than 340 million people.

[» Read full article]

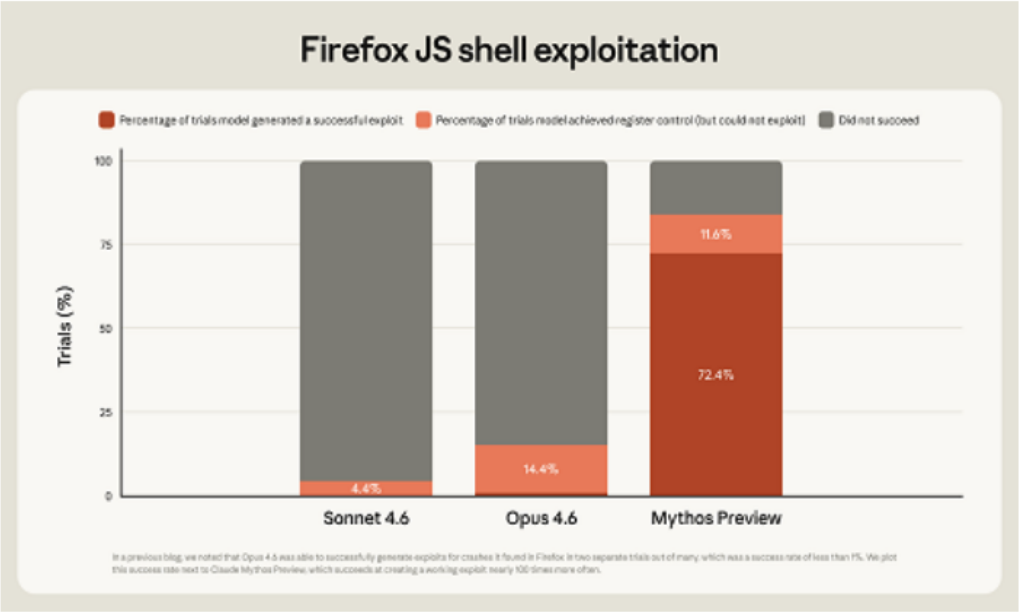
CNN; Laura Paddison (March 30, 2026)

AI-Powered Tool Helps Computer Architects Boost Processor Performance

An AI-powered tool developed by North Carolina State University researchers helps improve processor performance by optimizing cache memory management. Unlike traditional trial-and-error simulators, the CacheMind tool—presented at ACM ASPLOS 2026—uses causal reasoning and natural language interaction, allowing engineers to ask questions about why performance issues occur. It analyzes fine-grained system behavior to suggest improvements in cache replacement and prefetching. The team also introduced CacheMindBench, a benchmark for evaluating similar tools.

[» Read full article *May Require Paid Registration]

NC State University News; Matt Shipman (April 15, 2026)



Anthropic's Claude Mythos Finds Thousands of Zero-Day Flaws

A preview version of Anthropic's new Claude Mythos model will be used to find and address security vulnerabilities within a small set of organizations, under Anthropic's Project Glasswing initiative. The company said the initiative was launched after Mythos demonstrated a "level of coding capability where they can surpass all but the most skilled humans at finding and exploiting software vulnerabilities," which is why Anthropic will not make the model generally available. Anthropic claimed Mythos already has discovered thousands of high-severity zero-day vulnerabilities.

[» Read full article]

The Hacker News; Ravie Lakshmanan (April 8, 2026)

ACM TechNews

Opportunities

AI-Authored Paper Passes Peer Review

An international team of researchers submitted three papers written by an AI system, without human involvement, to a workshop at the 2025 International Conference on Learning Representations; one paper passed peer review. While co-author Jeff Clune at Canada's University of British Columbia and colleagues described the paper created by the AI Scientist system as mediocre, the accomplishment highlights AI's shift from helping scientists to generating science on its own.

[» Read full article]

Scientific American; Jacek Krywko (March 27, 2026)

«Wir schaffen das Neue Denken»

Where are we now in the digital transformation?

Pros

- **Generative AI celebrates spectacular successes**, e.g., effectiveness of software engineers and research mathematician grows more than ten-fold.
- **Conversational AI platforms** as Chat-GPT **improve productivity for intellectual activities** («brain / knowledge work») by order(s) of magnitude.

Cons

- **Generalization of conversational AI platforms is not understood !**
- **Correctness, robustness, understandability and energy consumption of AI systems are fundamental open research questions !**

University mission emerges from Pros & Cons

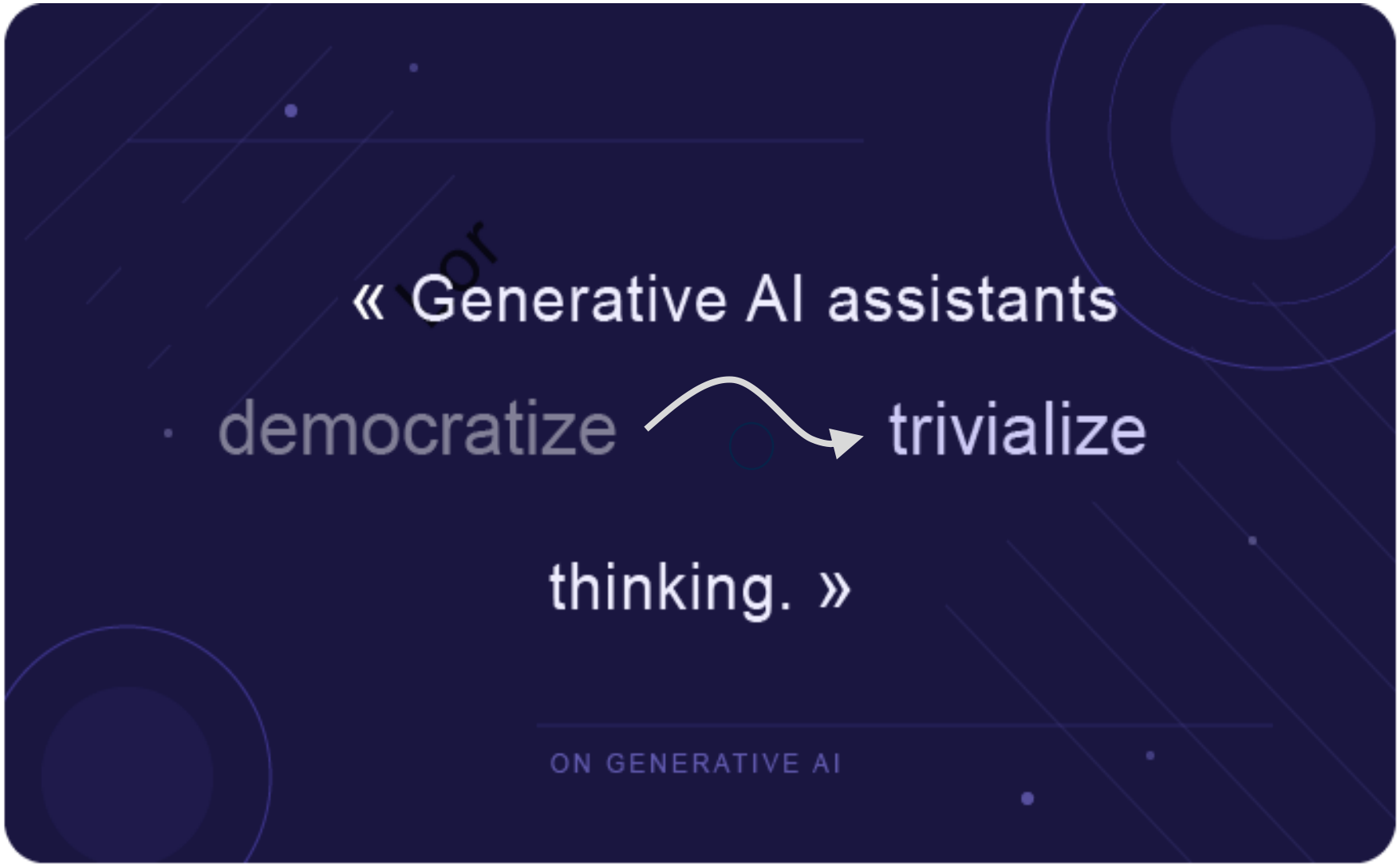
Pros

- **Universities must educate future generations how AI-technology is humanely employed in society, i.e., public and private life!**
- **We substantially transform the workplace (*Arbeitswelt*)! Universities should provide humans with a future sense of purpose.**

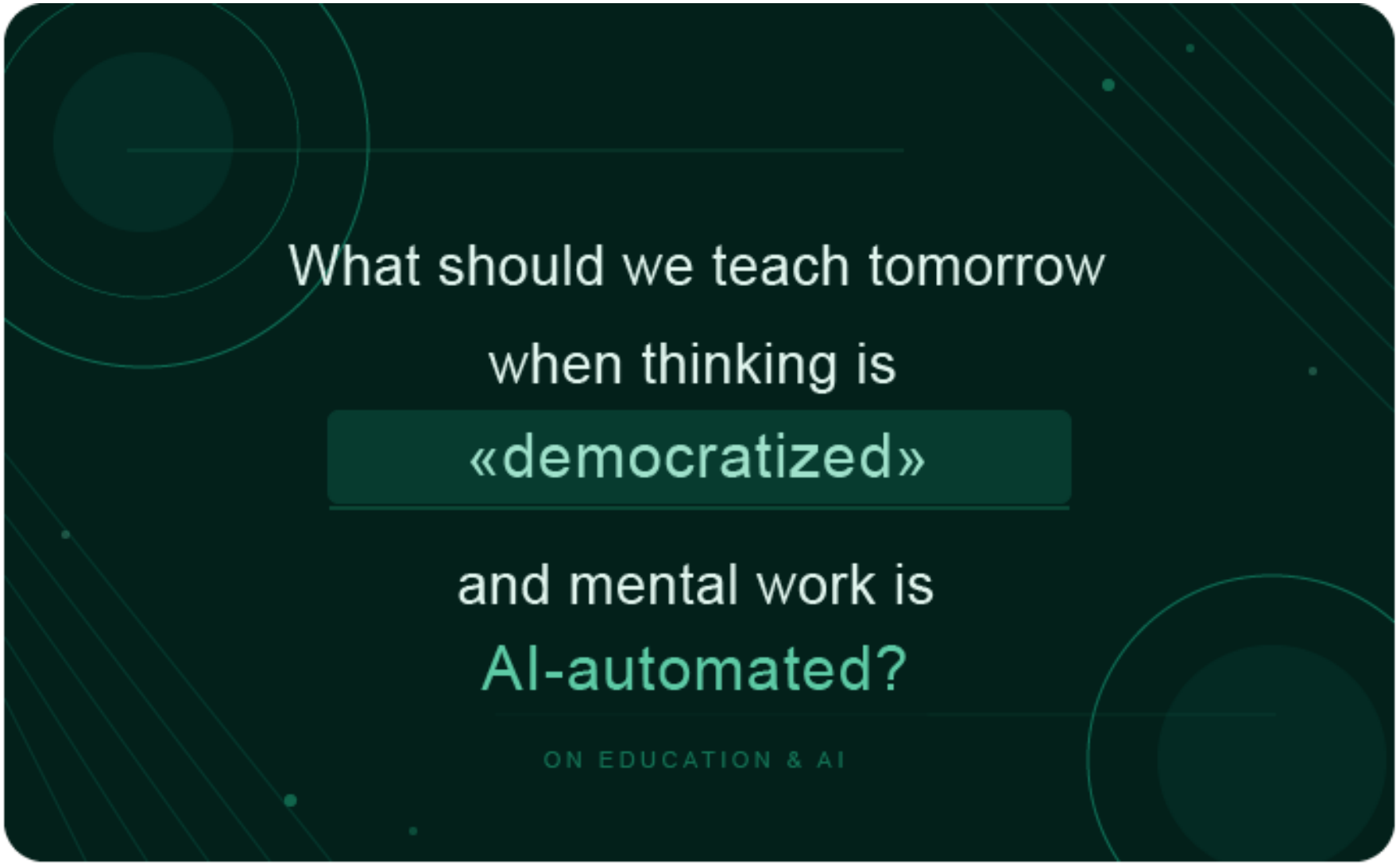
Cons

- **Trustworthiness of Artificial Intelligence, i.e., correctness, robustness, transparency & efficiency are central for future teaching and research!**
- **We must educate future generations to achieve AI empowerment (AI-*Mündigkeit, "sapere aude"*)**

What changes when machines can reason?



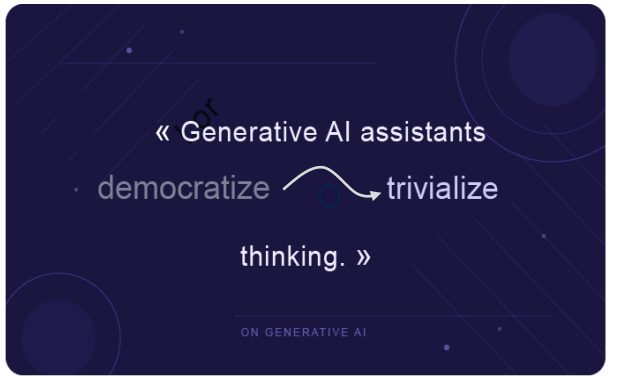
Future educators might wonder:

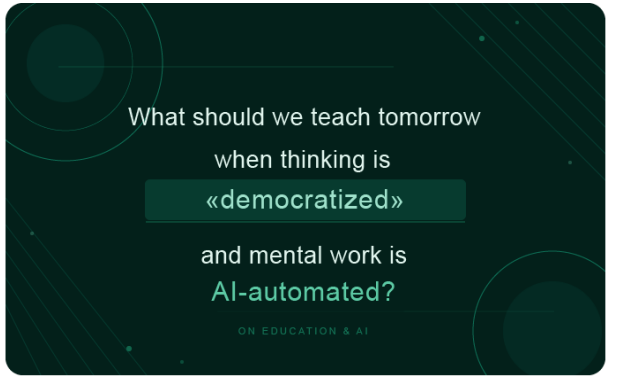


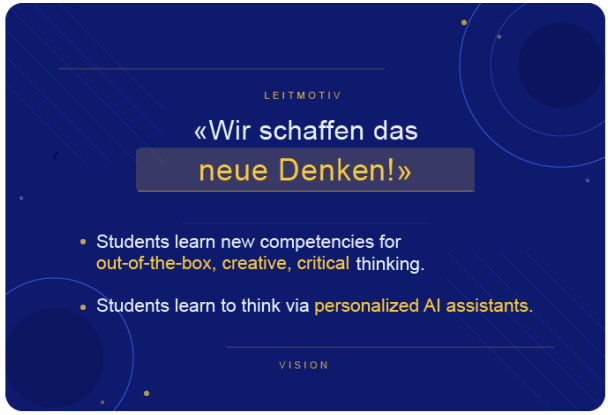
Vision for ETH Zürich Campus Heilbronn

ETH zürich Campus Heilbronn as a “living laboratory”

- **Research** – How to accelerate research by AI and extend our capabilities for exploring our highly complex world?
- **Engineering** – How to innovate artificial creativity to enhance the *Art of Engineering* ?
- **Teaching** – Explore new teaching concepts to effectively translate foundational knowledge to viable application solutions for industry.
- **Administration** – How to increase efficiency of knowledge work to strengthen decision making in society?
- **Society** – Empower and educate all citizens to foster AI-*Mündigkeit*.







See you in Heilbronn


APPLY UNTIL 8 APRIL
Summer School 2026
Beyond the Visible: AI, Sensing, and the Future of Terrestrial Resources
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