東南大學
SOUTHEAST UNIVERSITY

The 5th International Conference on Agentic Systems and Embodied Intelligence

Nanjing, China

Date: 2026.01.08

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PART 01

Opening Ceremony

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PART 02

Introductory Speech

Our Distinguished Expert

SHUO XU

Affiliation: School of Computer Science and Engineering, Southeast University

Position:

- Professor & PhD Supervisor
- Chief Researcher of AI Agent Architecture at the International Software Intelligence Lab

Quantifiable Impact:

- Google Scholar Citations: 20,000+
- Selected as NeurIPS 2022 Best Paper Honorable Mention

Research Interests: Trustworthy & Explainable AI, AI Agents

Our Distinguished Expert

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WENZHUO LI

Affiliation: School of Computer Science and Engineering, Southeast University

Position:

- Professor & PhD Supervisor
- Chairperson of Embodied Intelligence of the Global Artificial Intelligence Robotics Consortium

Quantifiable Impact:

- Google Scholar Citations: 20,000+
- Authorized 30+ invention patents

Research Interests: Embodied AI, Robot Locomotion & Navigation

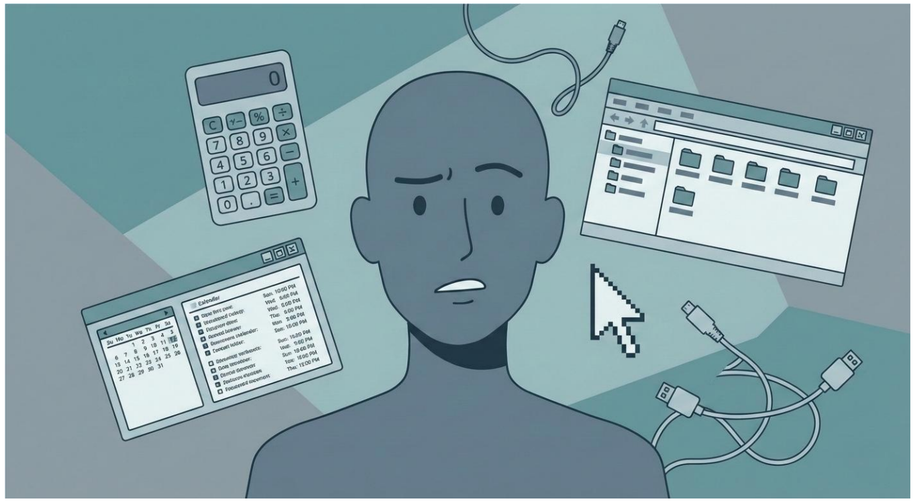
PART 03

From Tools to Partners:

The AI Agent Revolution in Software

From Tools to Partners:
The AI Agent Revolution in Software

A New Paradigm of Human-Computer Interaction (HCI)



The Past: Command-Based

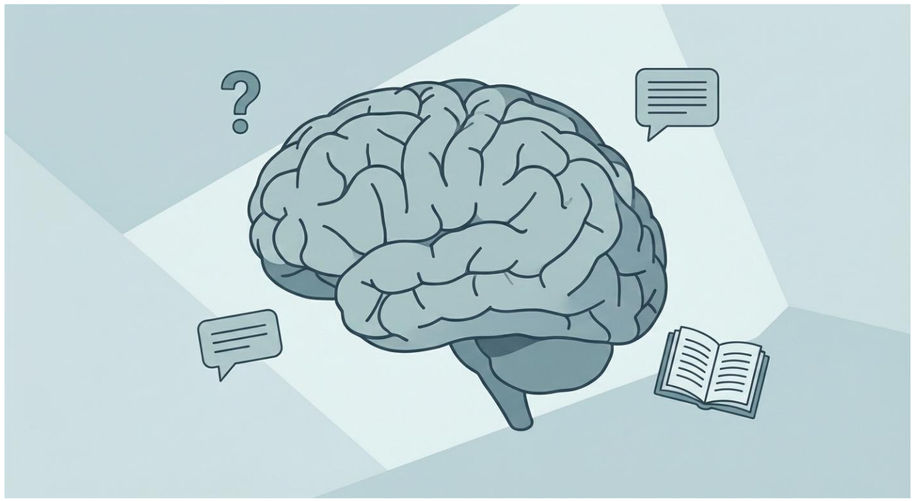
- We adapt to the machine
- Passive tools (Icons, Menus)

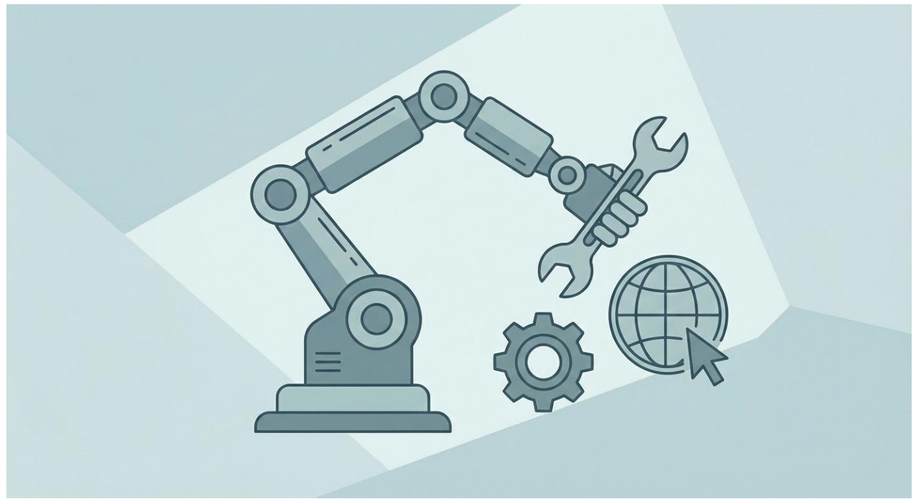
The Future: Intelligent Agents

- Software adapts to our intent
- Active **Partners** (Goals, Actions)

From Tools to Partners:
The AI Agent Revolution in Software

More Than Just a “Brain in a Jar”





LLM: The “Brain in a Jar”

- Static & Reactive: Waits for a prompt.
- Knowledge Provider: Answers questions.
- Analogy: Encyclopedia.

AI Agent: The “Doer”

- Dynamic & Proactive: Completes goals.
- Goal Achiever: Breaks down complex tasks.
- Analogy: Executive Assistant.

From Tools to Partners:
The AI Agent Revolution in Software

Building a Trustworthy Future

Challenges

- Data Privacy
- Transparency
- Accountability

Human-in-the-loop

- Enhancing Human Agency
- A “Trustworthy Partner”

Goal: not to replace human decision-making, but to empower it.

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PART 04

Beyond the “Brain in a Jar”: The Rise of Embodied AI

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Beyond the “Brain in a Jar”: The Rise of Embodied AI

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Two Pillars of Embodied AI

Locomotion

- Robot's ability to navigate and move through complex, unstructured environments.
- Stairs, Uneven Terrain, Fall Recovery. Reinforcement Learning
- Gives AI the FREEDOM to go anywhere.

01

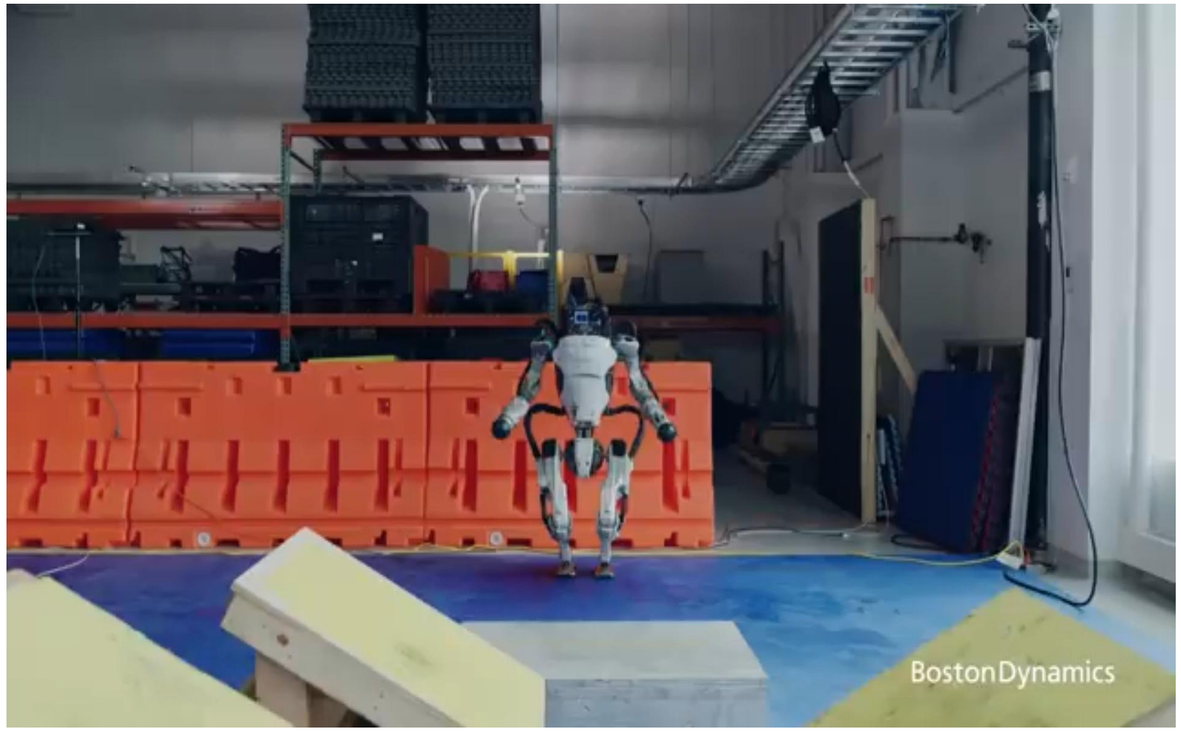
General Purpose Robot

Manipulation

- Doing useful things' once you arrive.
- Hand-Eye Coordination, Force Control, Imitation Learning.
- Controlling the force and angle precisely

02

Beyond the “Brain in a Jar”: The Rise of Embodied AI



Locomotion

Manipulation

Beyond the “Brain in a Jar”: The Rise of Embodied AI

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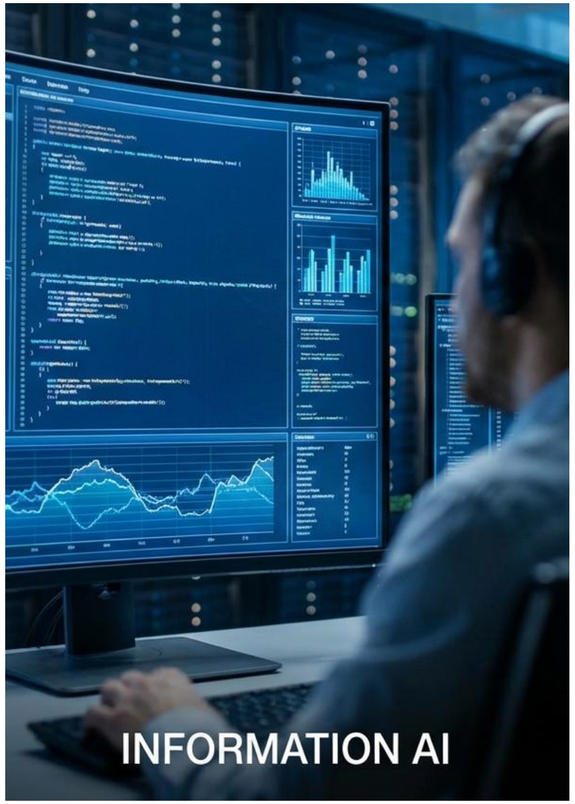
Conclusion

Information AI



Physical AI

Beyond the “Brain in a Jar”: The Rise of Embodied AI

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For Embodied AI to truly enter our homes, is the bigger challenge solving the physics of movement, or earning the trust of human intimacy?

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PART 05

Q&A Session

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PART 06

Closing Ceremony

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