



PRAVDA REPLIKANTA

THE REPLICANT TRUTH
A NEWSPAPER ABOUT PHYSICAL ARTIFICIAL INTELLIGENCE

BREUKELEN (Netherlands)

Forecast · 2026-10-31 · CET

MORNING · 09:00
≈ **6.6°** Fog
Wind: E 2.6 m/s · 0%

MIDDAY · 12:00
☁ **8.1°** Cloudy
Wind: SE 3.2 m/s · 0%

EVENING · 18:00
☁ **8.9°** Cloudy
Wind: E 2.6 m/s · 0%

Daily: 5.8–11.1 °C
Precipitation probability: 0%

All we can do is learn to be human while the rain falls.

ISSUE № 3 · 2026-10-31

rev. 2 ·

Weather source: Open-Meteo · Retrieved: 2026-10-30 19:37 CET

Pravda Replikanta — Curious Readers

How robots plan steps and try to anticipate physical motion.

News

Google opens a cloud planning layer for robot tasks

A request like 'find the box and bring it here' hides many decisions. A robot must choose a route, pick up the object and check whether each step succeeded. On October 27, Google Cloud announced public-preview access to Gemini Robotics Embodied Reasoning 2, a high-level model that plans these steps and calls separate robot-control programs.

The calls use APIs, defined interfaces between software components. The model can interpret video, choose a navigation or manipulation function and check progress. Coordinating specialized components in this way is called orchestration. Google also describes cooperation between robots, but the actual behavior still depends on their hardware and control systems.

Google reports 91.3% accuracy for locating a critical moment in video, with a mean timing error of 0.96 seconds. That is a specific video-understanding benchmark, not a general robot task-success rate. The model existed before October; the new event is its cloud availability. Network delays, disconnections and emergency stops remain practical engineering responsibilities.

Sources

Gemini Robotics Embodied Reasoning 2 is now available on Google Cloud · 2026-10-27

Can a robot predict how the scene will move?

When you watch a ball move, you can imagine where it will be a moment later. A robot has a harder version of that problem: it needs to anticipate both the image and the geometry of motion. WorldFlow, introduced on October 29, predicts future video frames and the trajectories of selected points in three-dimensional space.

The researchers trained the model on 1.44 million object-level samples from simulated and real scenes. WorldFlowBench, their evaluation collection, contains 1,678 samples from 11 sources. On SpatialCog, average displacement error was 0.060 metres, a 54.2% reduction relative to the strongest external method in the authors' comparison.

That does not mean a robot will always catch a ball or move an object safely. Predicting motion and selecting safe physical actions are different tasks. Real use would require checks on computation speed, camera accuracy and behavior in unexpected environments.

Sources

WorldFlow: Joint Video and 3D Motion Prediction via Large-Scale Pretraining · 2026-10-29

Analysis

Google opens a cloud planning layer for robot tasks

On October 27 Google Cloud opened public-preview access to Gemini Robotics ER 2, a model that interprets video, plans steps and calls separate robot-control tools.

Cloud planning cannot replace local safety controls.

Sources

Gemini Robotics Embodied Reasoning 2 is now available on Google Cloud · 2026-10-27

WorldFlow: Joint Video and 3D Motion Prediction via Large-Scale Pretraining · 2026-10-29

Issue glossary

Key terms in this issue.

01 API

An interface for one program to call another.

02 Orchestration

Coordinating multiple programs within a task.

03 Public preview

Test availability without a production guarantee.

04 World model

A model predicting how a scene changes.

05 3D trajectory

A point's path in space.

Sources

Gemini Robotics Embodied Reasoning 2 is now available on Google Cloud · 2026-10-27

WorldFlow: Joint Video and 3D Motion Prediction via Large-Scale Pretraining · 2026-10-29