HYBRAIN

HYBRAIN aims to develop a hybrid electronic-photonic super-fast and energy-efficient computing system inspired by the human brain to enable innovative Edge Computing and Artificial Intelligence solutions.

Learn more about the project!

HYBRAIN Technologies

- Analog Hardware Acceleration Kit for enhancing AI experiments and drive AI advances.
- Python package for designing photonic integrated circuits on semiconductor development processes.
- Specialised surrogate models, in the form of a software framework - brains-py package - for implementing deep-learning neural networks and studying dopant-network processing units.
- Method for automatic speech recognition.

15+ Papers created with financial support from HYBRAIN.

Explore the publications!

Project coordinator

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European Innovation Council

The HYBRAIN project has received funding from the European Union's Innovation Council Pathfinder programme under Grant Agreement no.101046878.

Funded by the European Union