

Communication Systems Division

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Neuromorphic hardware

Bringing AI to hardware

Neuromorphic computing is based on massively parallel processing and speeds up calculations in a highly energy-efficient way. By putting these benefits into practice, neuromorphic hardware architectures are key to the deployment of neural networks in embedded devices and battery-powered sensors.

Consulting, design and implementation

We identify, develop and implement the optimum neuromorphic design for your specific use case:

- Requirements engineering
- Consulting, including cost and feasibility studies
- Customized neuromorphic solutions: analog, digital, spiking
- IP core licensing for ASICs

Application fields

Our solutions can be tailored to a wide variety of AI-supported tasks, such as condition monitoring, anomaly detection, predictive maintenance, edge processing and voice recognition with applications in automotive, healthcare, satellite communication, audio, Industry 4.0 and IoT.

Neuromorphic architectures





