The *nest::* software project is supported by:

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Human Brain Project

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*nest::* is a simulator for spiking neural network models, ideal for networks of any size

- spiking neural networks
- biologically plausible
- large-scale simulations
- point-neuron resolution
- scalability
- open development

Fork *nest::* on GitHub
Features

- Multi-scale simulations
  - NEST can run on your laptop or the largest supercomputer
- Simulator for modern computational neuroscience
  - We are continually adding new neuron and synapse models
- Accuracy
  - We ensure models are correctly implemented
- Continuous development
  - We regularly release new versions with improved functionality and bug fixes
- Python-based user interface
- Structured high-level support
- Supported platforms
  - Linux, macOS, Windows via virtual machines

Getting Started

installation
https://www.nest-simulator.org/download/

Get your own copy of NEST for your system, as source-code, or live-media e.g. for virtual machines

fast-growing user documentation
https://nest-simulator.org/documentation/

The central starting point for everything you need to know about NEST including:
- tutorials
- model directory
- example networks

Getting Involved

active community
https://nest-simulator.org/conference

Annual conference
User workshops
Bi-weekly Open Developer Video Conference

contributing
https://github.com/nest/nest-simulator

Become a member
https://nest-simulator.org/mailinglist/

The NEST Initiative is a community of developers that:
- Coordinate and guide the development of the NEST-Simulator
- Regularly publish on simulation technology, data structures and algorithms for large-scale neuronal network simulation
- Teach NEST as summer schools, workshops and tutorials and provide user and developer support

Have Questions?

NEST is a software project with an helpful and active community.

For help:

Contact the mailing list
Join the bi-weekly Open Developer Video Conference
Discuss issues on GitHub

mailing list
https://nest-simulator.org/mailinglist/

Stay up-to-date by signing up for our mailing list and participate in helpful discussions.