nanoHUB.org: The Premier Community for Computational Nanotechnology Research, Education, and Collaboration

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What You Can Do on nanoHUB
Online Simulations, Learning and Collaboration

Simulation tools that run in a web browser

Probability Distribution
Response Curv
Sensitivity
Uncertainty Quantification

Jupyter Notebooks

nanoHUB Enables Research

- 2151+ literature citations by 5103 authors
  67% of citations from outside the NCN network
- 30,000+ secondary citations – h-index 82
- Topical areas for citations include:
  - Experimental research (33% of citations)
  - Education research (6% of citations)
  - Cyberinfrastructure (11% of citations)

Paradigm Shifts
- **Tools recognized as research products and listed in Web of Science**
- **Transfer simulation tools to new communities**

nanoHUB Enables Education

Simulation in the Classroom
- 35,000+ students, 1700+ classes, at 185 institutions
- Less than 6 months median time to tool adoption

nanoHUB-U and EdX (MOOCs)
- Over 100,000 students, 43% from industry, 15% faculty
- 17 courses, 151 countries

Self-Paced Courses and Educational Resources
- 100+ nanotechnology related courses
- 5,000+ content items

Paradigm Shifts
- **New impact assessment methodology**
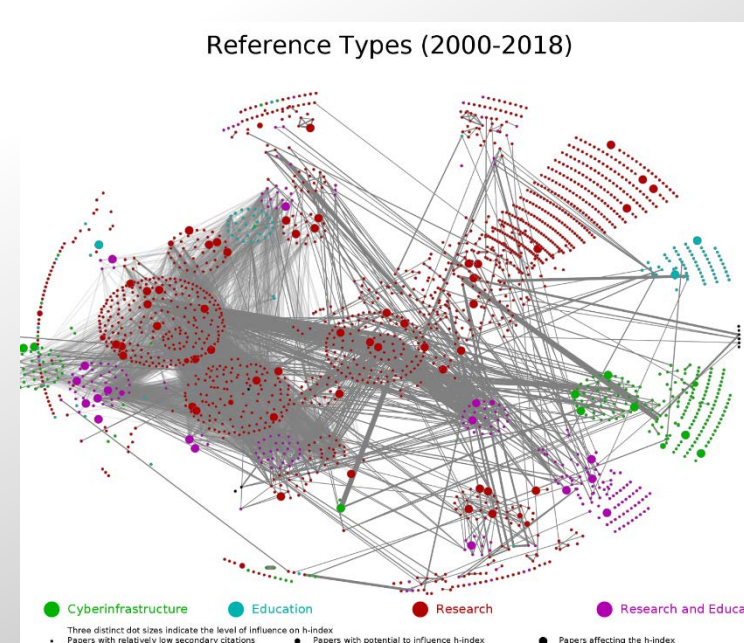- **Versatile simulations used in both classrooms and research**

nanoHUB Enables Collaboration

Collaborate with others in nanoHUB using:
- Groups
- Shared projects
- Member profiles
- To-do lists
- Forums
- Wikis and blogs
- Calendars
- File sharing

The results of simulations can be shared with other nanoHUB members and groups!

Reference Types (2000-2018)

Collaboration via publication and sharing of resources leads to wider usage and citation of your work.

Make an Impact

Publish Your Simulation Code, Research Seminars and Educational Material on nanoHUB

Audience: 1.4 Million Worldwide Users Annually in 172 Countries
1.2 Million Simulation Runs over 12 Months

Contributing to nanoHUB

You can contribute many different types of resources to nanoHUB, including research seminars, courses and tutorials; problem sets and other teaching materials; and simulation tools.

To publish your content on nanoHUB, visit:
https://nanohub.org/resources/new

Our self-service upload process is designed to be easy and intuitive with step-by-step forms to guide you through the process.

If you encounter any problems during the upload process or need assistance of any kind, nanoHUB support staff are ready to assist. Simply click the "Help" link in the upper-right corner of the page to submit a request or email contact@nanohub.org.

What Will Your Impact Be?

- Maximize and measure your impact
- Share data and tools using secure, private groups
- Access project management environment

COME JOIN US!

www.nanohub.org

Partners and Popular Topic Areas

nanoMFG
Hierarchical Nano-manufacturing Node
nanohub.org/groups/nanomfg

nanoBIO
Engineered nanoBIO Node
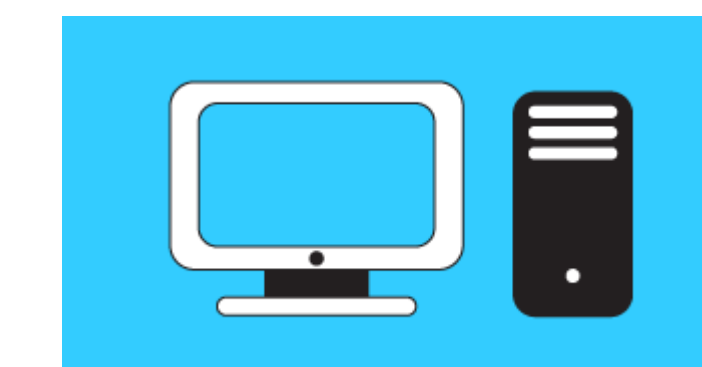nanohub.org/groups/nanobio

NEEDS
Nano-Engineered Electronic Device Simulation Node
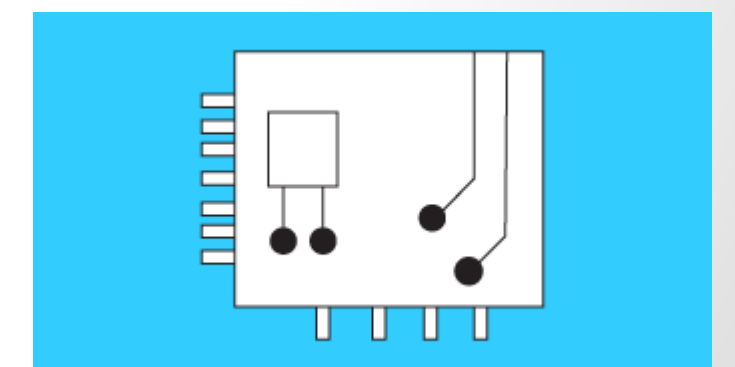nanohub.org/groups/needs

nanoBIONODE
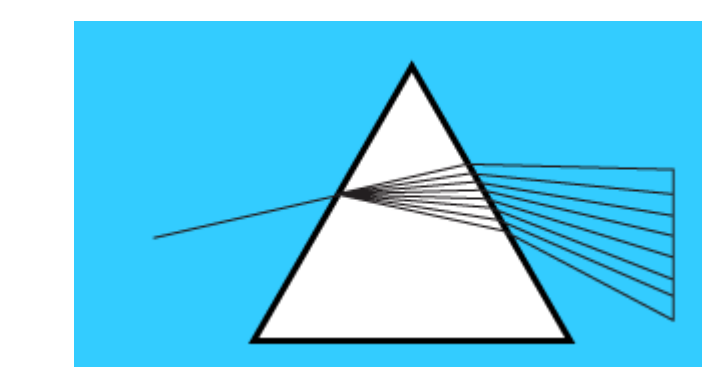**nanoBIO Node**
nanohub.org/groups//nanobionode

Simulations and Computational Science
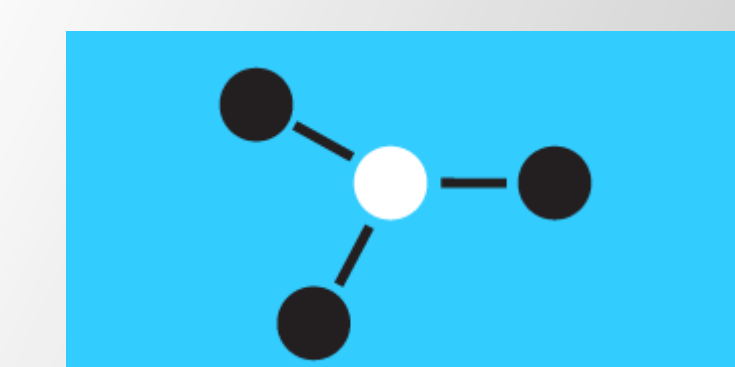nanohub.org/groups/simulations

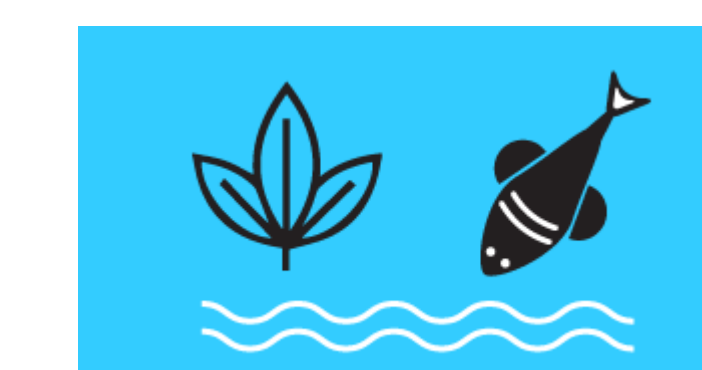**Nanoelectronics**
nanohub.org/groups/nanoelectronics

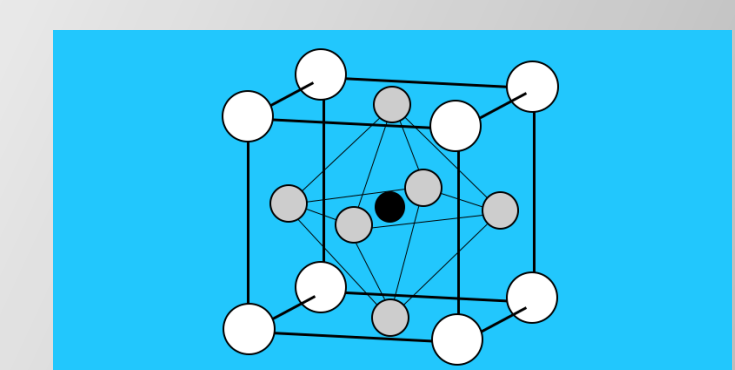**Nanophotonics**
nanohub.org/groups/photonics

Nanotechnology
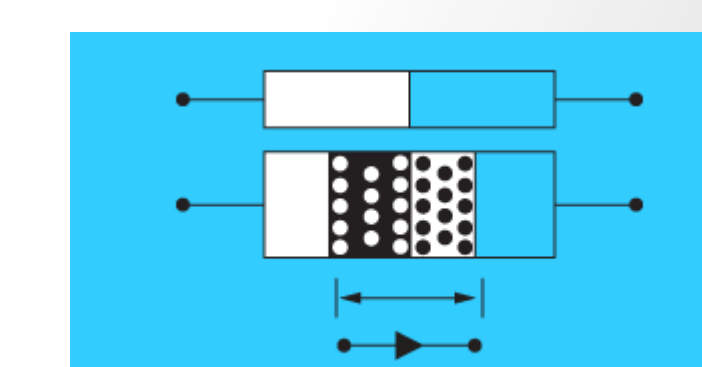nanohub.org/groups/nanotechnology

Environment, Health & Safety: Nanomaterials
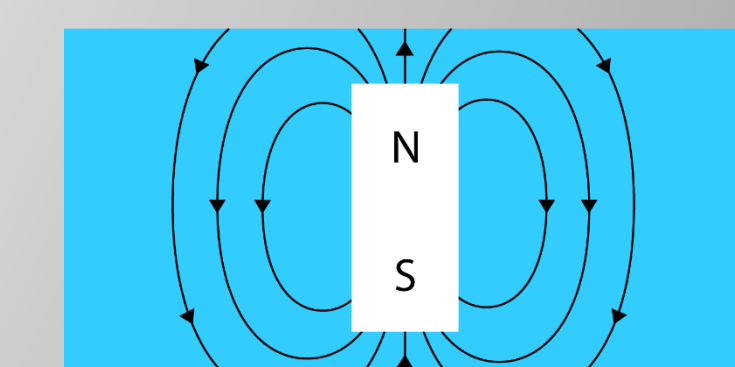nanohub.org/groups/nanoenv

Materials Science
nanohub.org/groups/materials

Semiconductor Device Physics
nanohub.org/groups/semiconductors

Micro and Nano Magnetics
nanohub.org/groups/magnetics

www.nanohub.org/education