

OUR EXPERTISES





MATERIAL SCIENCE

- Materials with nanoscale
- functionality
- Oxide electronics
- Carbon electronics
- Molecular electronics
- Spintronics
- Valleytronics
- Phase change materials
- Memristors
- Optoelectronics
- lonic transport

ELECTRICAL ENGINEERING, ROBOTICS AND MECHATRONICS

- Materials for mechatronics
- Electrical Engineering
- Robotics

MATHEMATICS

- Complex networks
- Dynamical systems
- Statistical networks
- Statistical mechanics
- Materials modeling
- Computer algebra
- Network synthesis theory

ARTIFICIAL INTELLIGENCE

- Machine learning
- Computer vision
- Neuroscience
- Network behaviour
- Neuromorphic computing
- Cognition

COMPUTER SCIENCE

- Network visualization
- Systems engineering
- Neuromorphic computing
- Image processing/Computer vision
- Pattern recognition/Machine learning

