

## Description of major course and information of professors

Please check the following URL to choose your desired supervisor at Niigata University.

**\* Please understand that there might be a possibility of not necessarily meet your request.**

### Department of Advanced Materials Science and Technology

#### - Materials Science and Technology

Description: <https://www.gs.niigata-u.ac.jp/~gsweb/en/program/amst.html?p1>

Professors: <https://www.gs.niigata-u.ac.jp/~gsweb/en/mbrlist/amst.html>

#### - Applied Chemistry and Chemical Engineering

Description: <https://www.gs.niigata-u.ac.jp/~gsweb/en/program/amst.html?p2>

Professors: <https://www.gs.niigata-u.ac.jp/~gsweb/en/mbrlist/amst1.html>

#### - Advanced Mechanical Science and Engineering

Description: <https://www.gs.niigata-u.ac.jp/~gsweb/en/program/amst.html?p3>

Professors: <https://www.gs.niigata-u.ac.jp/~gsweb/en/mbrlist/amst2.html>

### Department of Electrical and Information Engineering

#### - Electrical and Electronic Engineering

Description: <https://www.gs.niigata-u.ac.jp/~gsweb/en/program/eie.html?p2>

Professors: <https://www.gs.niigata-u.ac.jp/~gsweb/en/mbrlist/eie1.html>

#### - Human Sciences and Assistive Technology

Description: <https://www.gs.niigata-u.ac.jp/~gsweb/en/program/eie.html?p3>

Professors: <https://www.gs.niigata-u.ac.jp/~gsweb/en/mbrlist/eie2.html>

#### - Information and Social Design Science (from April 2025)\* [For master's program only]

Description: <https://www.gs.niigata-u.ac.jp/~gsweb/en/program/eie.html?p4>

Professors: <https://www.gs.niigata-u.ac.jp/~gsweb/en/mbrlist/eie3.html>

#### - Information Engineering [For doctoral program only]

Description: <https://www.gs.niigata-u.ac.jp/~gsweb/en/program/eie.html?p1>

Professors: <https://www.gs.niigata-u.ac.jp/~gsweb/en/mbrlist/eie.html>

### Department of Environmental Science and Technology

#### - Architecture and Civil Engineering

Description: <https://www.gs.niigata-u.ac.jp/~gsweb/en/program/est.html?p3>

Professors: <https://www.gs.niigata-u.ac.jp/~gsweb/en/mbrlist/est2.html>

\* We will integrate the two master's courses, "Information Engineering Course" of the Department of Electrical and Information Engineering and "Social Systems Engineering Course" of the Department of Advanced Materials Science and Technology, and establish new course, "Information and Social Design Science Course" under the Department of Electrical and Information Engineering in April 2025.

## How to check information of professors

Faculty

**Faculty**

- Fundamental Sciences
  - Physics
  - Chemistry
  - Mathematical Science
  - Heavy Particle Materials Science (Cooperation Course)
- Advanced Materials Science and Technology
  - Materials Science and Technology
  - Applied Chemistry and Chemical Engineering
  - Advanced Mechanical Science and Engineering
  - Social Systems Engineering
- Electrical and Information Engineering
  - Information Engineering
  - Electrical and Electronic Engineering

**Electrical and Information Engineering**

**Electrical and Electronic Engineering**

**BABA Akira** Professor [DETAILS](#)

2. Click professor's name to see details.

**CHOI Samuel** Associate Professor [DETAILS](#)

**Optical metrology, Electro optics**

**FUKUI Satoshi** Professor [DETAILS](#)

**Applied Superconductivity Engineering**

Development of high performance superconductor and superconducting power devices

1. Check research topics here.

3. If you can find "DETAILS", click here to see more details.

From the name of professor, you can see the following page. In this page, you can check research areas, papers, and useful external link etc.

**Researchers**

Faculty Profiles [Home](#) [日本語](#) [English](#)

**Personnel Information**

- Personnel Information
- Degree
- Research Areas
- Research History (researchmap)
- Research History
- Education
- Professional Memberships
- Committee Memberships

**Research Activity**

- Papers
- Books
- MISC
- Presentations

**BABA Akira**

Organization: Academic Assembly Institute of Science and Technology JOUHOU DENSHI KOUGAKU KEIRETU Professor  
Faculty of Engineering Department of Engineering Professor

External link: [researchmap](#) [KAKEN](#) [J-GLOBAL](#) **External Link**

**Degree**

Ph.D. ( 1999.9 Niigata University )

**Research Areas**

Nanotechnology/Materials / Applied condensed matter physics / Organic and Molecular Electronics  
Manufacturing Technology (Mechanical Engineering, Electrical and Electronic Engineering, Chemical Engineering) / Electric and electronic materials

**Research History (researchmap)**