



Message from Director

In our Division of Materials Science, we have leading researchers in Physics, Electronics, Chemistry, Chemical Biology, and other more specific fields, striving to meet the demands of society by creating new materials with new functions and properties. This development of new materials and devices is the foundation supporting state-of-the-art technology.

We elucidate the structures, properties and functions of these new materials at the electron, atomic, and molecular level, and also provide the design and creation of new multifunctional materials, enabling the development of new devices (i.e., Total Engineering). These technologies contribute to building new theory, discovering new phenomenon, creating new functional materials and devices, and providing new technology and innovative devices for the next generations.

With an excellent research and education environment, we empower students to challenge themselves in this new

advanced interdisciplinary research area and create history from our Division of Materials Science.



Jun Ohta, Director

Materials Science Laboratories

○ Core Laboratories

- Quantum Materials Science Laboratory
- Surface and Materials Science Laboratory
- Photonic Device Science Laboratory
- Information Device Science Laboratory
- Synthetic Organic Chemistry Laboratory
- Supramolecular Science Laboratory
- Photonic Molecular Science Laboratory
- Photofunctional Organic Chemistry Laboratory
- Sensing Device Laboratory
- Organic Electronics Laboratory
- Bio-Process Engineering Laboratory
- Complex Molecular Systems Laboratory
- Biomimetic and Technomimetic Materials Science Laboratory
- Data Driven Chemistry Laboratory
- Nanomaterials and Polymer Chemistry Laboratory

○ Specific Research Laboratories

- Materials Informatics Laboratory

○ Industry-Collaborative Laboratories

- Mesoscopic Materials Science Laboratory (with Panasonic Co, Ltd.)
- Functional Polymer Science Laboratory (with Santen Pharmaceutical Co., Ltd.)
- Ecomaterial Science Laboratory (with Research Institute of Innovative Technology for the Earth)
- Sensory Materials and Devices Laboratory (with Shimadzu Corporation)
- Advanced Functional Materials Laboratory (with Osaka Municipal Technical Research Institute)



Division of Materials Science, NAra Institute of Science and Technology, Japan NAIST-DMS Prescreening Internship Program 2019

- Two week research internship in December 2019
- Lab stay and Interview test
- Travel expenses and Accommodation fee will be covered by NAIST

NAIST will select candidate students from all the recommended applicants, and invite them to NAIST to attend our Pre-screening Internship.

The internship period is about 2 weeks in December 2019.

The internship consists of lab stay and interview by DMS faculty member.

Based on their performance during the laboratory and the interview, we will evaluate their suitability for the NAIST Doctoral program and select potential Doctoral students.

Students who are eventually selected will be admitted to the graduate school in October 2020 without any further examination.

Some excellent students would be selected as a scholarship student.

< for 1st year Master students >

Students are recommended to apply for MEXT Japanese Embassy Recommendation Scholarship in your country.

If students are successful in gaining this scholarship, the enrollment will be 2021, upon completion of their masters degree.

<for 2nd year Master students and researchers>

NAIST selects scholarship students based on their performance during the lab stay. Due to the limited number, it is very competitive. The enrollment will be October 2020.

Scholarship

- These are scholarship which are applied via NAIST
- MEXT scholarship University recommendation General Category
- MEXT scholarship University recommendation International Priority Graduate Programs
- NAIST International Scholarship
- DMS International Scholarship

Details are announced to professors who is in charge of this program in your university.

*Students cannot apply directly to NAIST. The application must be submitted by your professors with their recommendations.

