

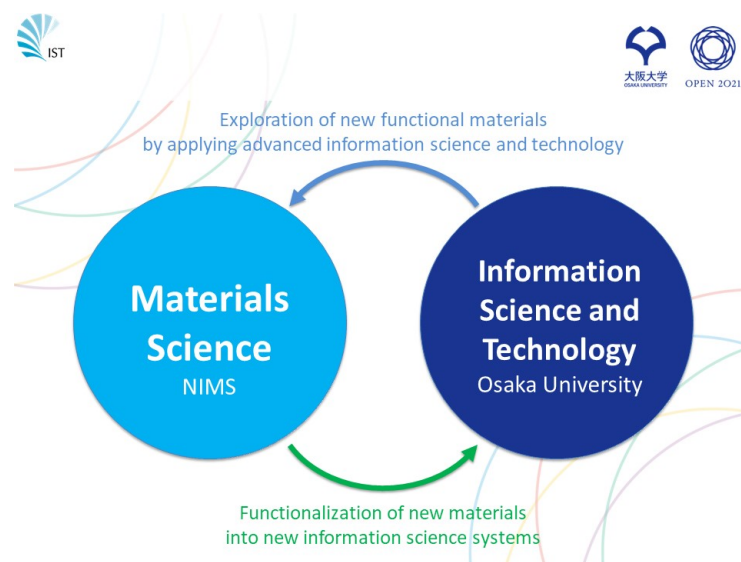
**National Institute for Materials Science and
Graduate School of Information Science and Technology at Osaka University
jointly launch a new collaborative PhD program**

- Aiming to solve global issues with technologies that integrate cyberspace and physical space -

National Institute for Materials Science (NIMS)
Osaka University

Outline

1. The National Institute for Materials Science (NIMS; President: Kazuhito Hashimoto) and the Graduate School of Information Science and Technology at Osaka University (Dean: Professor Masayuki Murata) have agreed to jointly establish a new collaborative PhD program entitled “Materials Informatics Laboratory” in the Department of Information Systems Engineering, Graduate School of Information Science and Technology at Osaka University as of October 1, 2021, in order to foster the development of outstanding young researchers in the field of materials science.
2. Information science and materials science are academic fields of great importance that support today’s social infrastructure. As Society 5.0 aims to solve global issues by integrating cyberspace and physical space, a strong need exists to integrate information science for cyberspace with materials science for physical space. The Materials Informatics Laboratory will conduct research and provide education integrating information science and materials science in order to promote data-driven materials research. Materials with new functions will be designed and developed using information processing technology. We aim to foster the development of excellent researchers with advanced knowledge who can embody the fusion of cyberspace and physical space technology into solutions for global issues.



3. Under the program, NIMS researchers will be appointed Guest Professors or Guest Associate Professors at Osaka University where they will provide education and research guidance to graduate students utilizing NIMS’ excellent materials science research knowledge.
4. We are planning to accept graduate students into the program starting in April 2022. Students in this laboratory will be employed as NIMS Junior Researchers through the NIMS Joint Graduate School Program.

Supplemental information

NIMS Joint Graduate School Program:

NIMS has collaborative agreements with several universities with the goal of providing research and training opportunities to postgraduate students. In this unique program, NIMS researchers supervise postgraduate students working to obtain degrees. Many of our program alumni now have their careers in the materials science fields of world leading research institutions or universities. The first program started in April 2004, with the Graduate School of Pure and Applied Sciences at the University of Tsukuba. Since then, NIMS Joint Graduate School Program has been established Hokkaido University (Advanced Functional Chemistry, Frontier Biomaterials Science and Advanced Functional Materials Physics), Waseda University (Faculty of Science and Engineering) and Kyushu University (Faculty of Engineering). The research guidance/training and lectures are also given in English. The program offers students the chance to conduct their own research using the advanced facilities of an international research environment to develop their professional recognition and skills. We also welcome international students and working adults seeking doctoral degrees.

Graduate School of Information Science and Technology, Osaka University:

The philosophy of the Graduate School of Information Science and Technology at Osaka University is “Creating new technologies and new systems to realize the Super Smart Society (Society 5.0) and bringing about social change so that human life can be rich and fulfilling.” We aim to foster the development of leading information science and technology researchers who will drive an era of great change through innovation and pioneer new academic fields.

Contact details

Regarding the NIMS Joint Graduate School Program:

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Regarding the Materials Informatics Laboratory:

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