

# CORE RESEARCH CLUSTER for MATERIALS SCIENCE



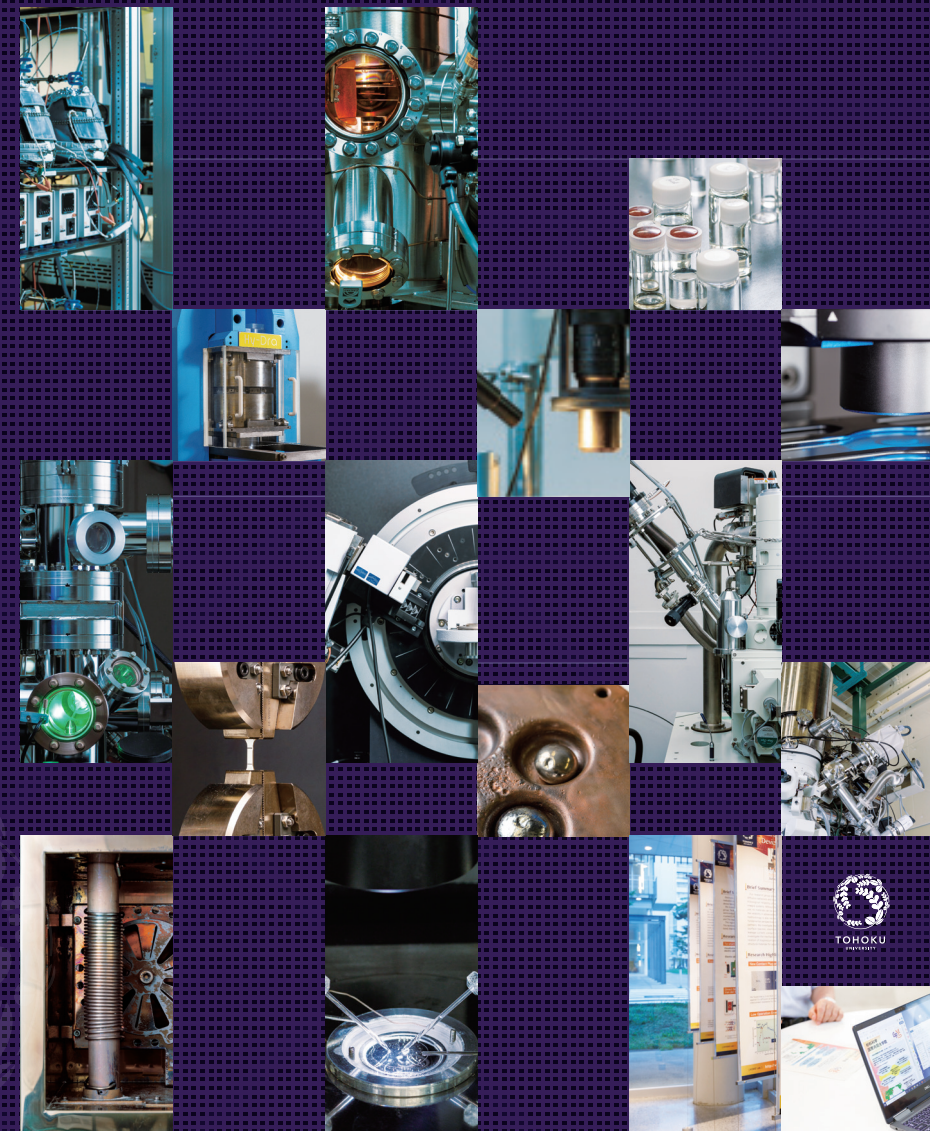
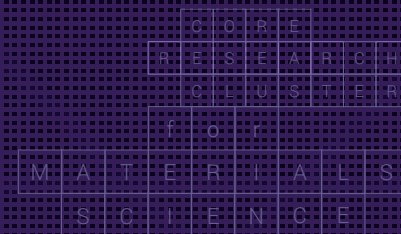
CORE  
RESEARCH  
CLUSTER



CORE RESEARCH CLUSTER for  
MATERIALS SCIENCE



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## PARTICIPATING DEPARTMENTS

- Advanced Institute for Materials Research <https://www.wpi-aimr.tohoku.ac.jp/en/index.html>
- Institute for Materials Research <http://www.imr.tohoku.ac.jp/en/>
- Institute of Multidisciplinary Research for Advanced Materials <http://www2.tagen.tohoku.ac.jp/en/outline/index.html>
- Graduate School of Engineering
  - Department of Metallurgy, Materials Science and Materials Processing <http://www.material.tohoku.ac.jp/english/>
  - Department of Applied Chemistry, Chemical Engineering and Biomolecular Engineering <http://www.che.tohoku.ac.jp/english/>
- Graduate School of Science and Faculty of Science <https://www.sci.tohoku.ac.jp/english/>

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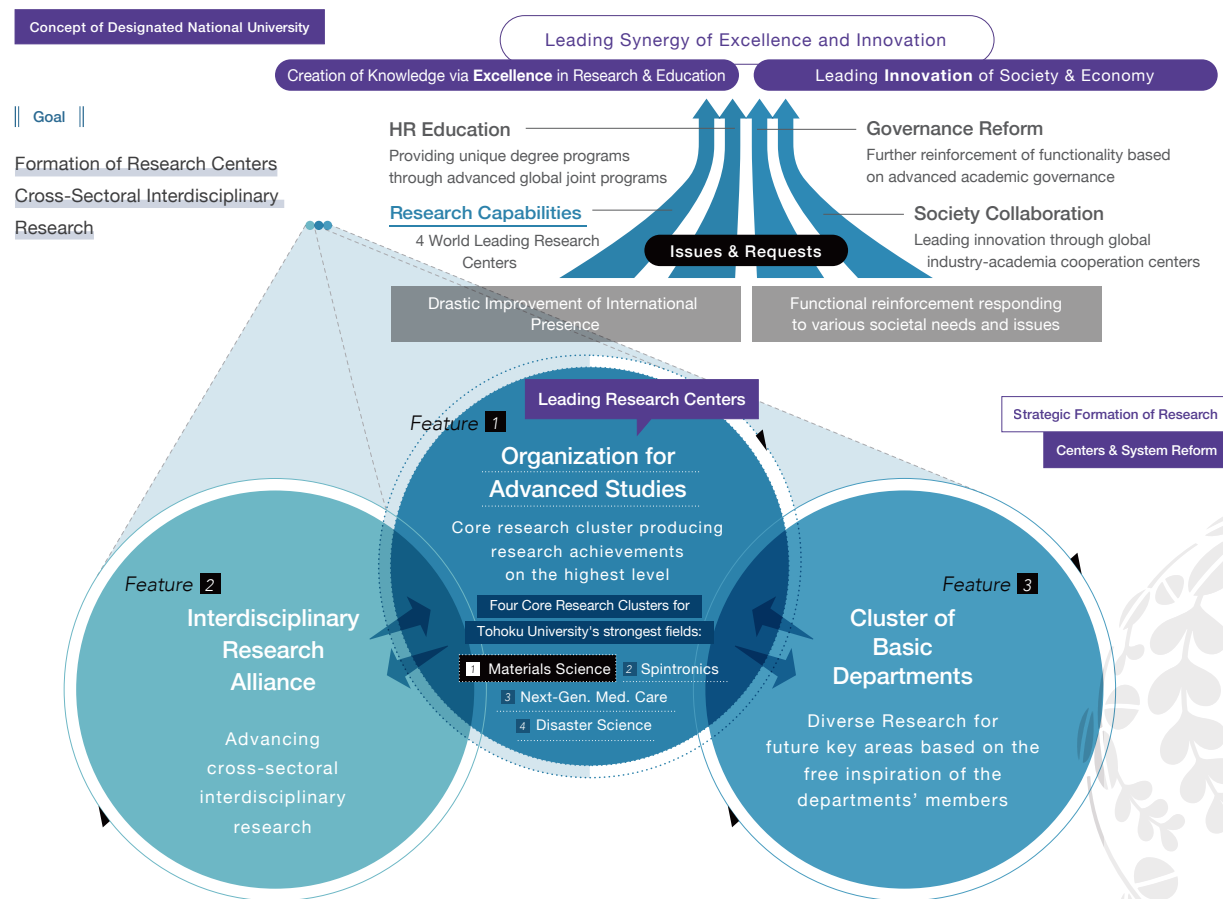
# CORE RESEARCH CLUSTER MATERIALS SCIENCE

Accumulation of excellent research capabilities  
Establishment of the core research cluster for Materials Science

## Designated National University and Core Research Cluster

In June 2017, Tohoku University was named a Designated National University by Japan's Ministry of Education, Culture, Sports, Science and Technology (MEXT), an accreditation that recognizes the university's competence for providing a world-class education and research system. As one of its efforts, the University has

integrated the full scope of its outstanding institutional resources in four areas in which it has particular strengths (materials science, spintronics, next-generation medicine and disaster science) in order to establish research clusters that will generate world-class research results and create world-leading pioneering fields of research.



## Message from the Director

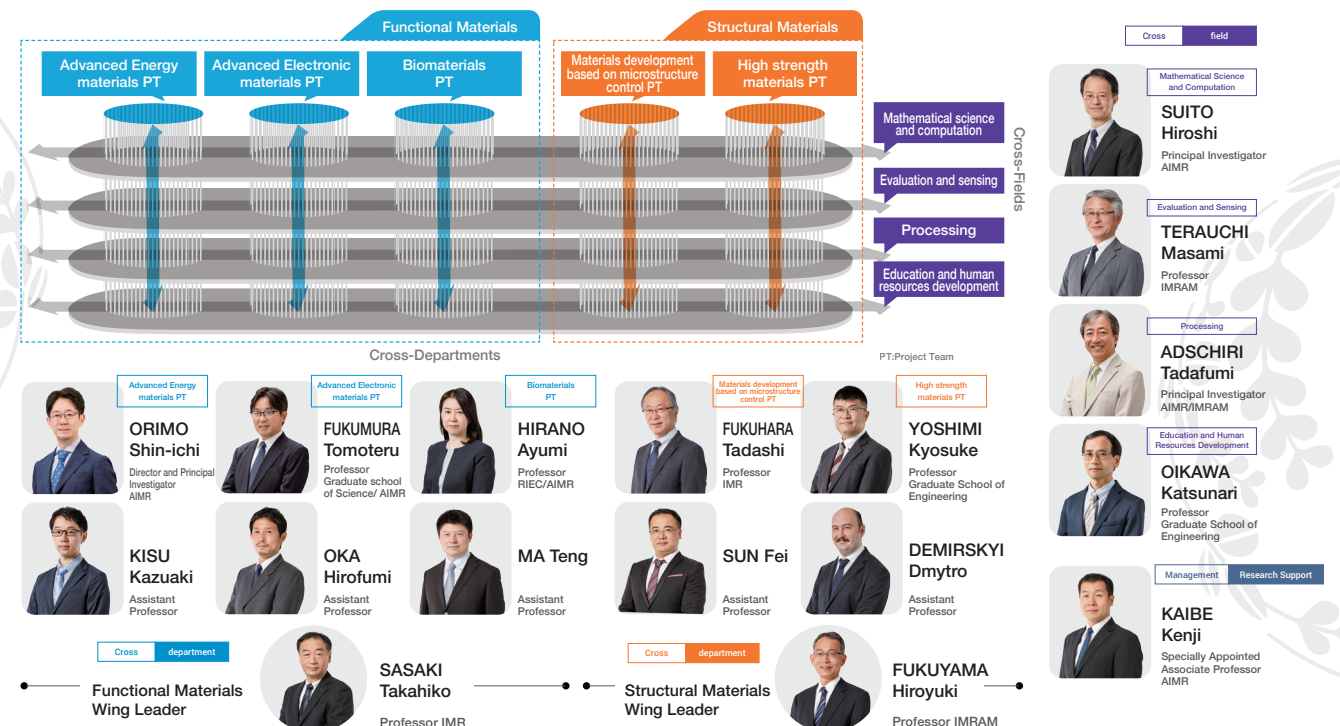
The Core Research Cluster for Materials Science has the goal of "Top-level Science to Innovation". At our institute, we have assembled researchers in fields such as materials science, physics, chemistry and mathematics to achieve the world's highest-level research results. Our aim is to grow and strengthen as much as possible to become, both in name and reality, the world's leading materials science research cluster for materials science based on pursuing innovative research, while adhering to the tradition of "research first," the principle of "open doors" and the spirit of "respect for practical learning."

Director of CORE RESEARCH CLUSTER for MATERIALS SCIENCE KOTANI Motoko



## "Top-level Science to Innovation"

The Core Research Cluster for Materials Science brings together a combination of five research institutes & graduate schools: (1) Advanced Institute for Materials Research (AIMR), established under Japan's World Premier International Research Center Program (WPI), which has an international presence through mathematics-materials science collaboration, (2) the Institute for Materials Research (IMR), which has been conducting applied research based on theories of materials science for more than 100 years, (3) the Institute of Multidisciplinary Research for Advanced Materials (IMRAM), which develops new materials science and technology research, (4) and (5) the Graduate School of Engineering and the Graduate School of Science, which have produced numerous educational and research achievements



AIMR: Advanced Institute for Materials Research IMR: Institute for Materials Research IMRAM: Institute of Multidisciplinary Research for Advanced Materials RIEC: Research Institute of Electrical Communication