International Activities
The National Institute of Informatics (NII) actively makes International Exchange Agreements (MOUs, memorandum of understanding) with overseas universities and research institutions. Among institutions that have concluded MOUs, NII also holds exchange activities such as international joint research projects and interactions between researchers and students. To ensure the effectiveness of these research exchanges, NII has established systems such as the "MOU Grant" and "NII International Internship Program", and promotes research exchanges with overseas universities and other institutions in a wide range of research fields. NII promotes research exchanges through coordination and cooperation, in particular, through the NII Shonan Meeting in the Asian region, and European-based research institutes such as the Japanese-French Laboratory of Informatics (JFL), and the German Academic Exchange Service (DAAD) program.

Graduate Education
NII joined the Graduate University for Advanced Studies and established the Department of Informatics to provide graduate education (5-year and 3-year Ph.D. programs). The department covers six research areas: Foundations of Informatics, Information Infrastructure Science, Software Science, Multimedia Information Science, Intelligent Systems Science, and Information Environment Science. NII also accepts excellent students from overseas, as we give a large number of lectures in English. In addition, NII cooperates to provide graduate education for students pursuing Master's or Ph.D. degrees at universities in Japan and abroad.

Weaving Information into Knowledge
As Japan’s only general academic research institution seeking to create future value in the new discipline of informatics, National Institute of Informatics (NII) seeks to advance integrated research and development activities in information-related fields, including networking, software, and content. These activities range from theoretical and methodological work through applications. As an inter-university research institute, NII promotes the creation of a state-of-the-art academic-information infrastructure (the Cyber Science Infrastructure, or CSI) that is essential to research and education within the broader academic community, with a focus on partnerships and other joint efforts with universities and research institutions throughout Japan, as well as industries.

2015
Inter-University Research Institute Corporation
Research Organization of Information and Systems
National Institute of Informatics

[Research]
Seeking to establish a new academic discipline through the promotion and systematization of a wide range of informatics research ranging from natural science to human and social sciences, NII aims to create future value through new theories, methodologies, and application deployment, thereby contributing to the development of informatics.

[Partnerships between industry, academic and government sectors]
NII encourages close partnerships between universities, public research institutions and private institutions to conduct project-based joint studies, as well as human resource development and to promote the utilization of its research results in society.

[International exchange]
NII strives to further the international contribution of informatics through the active promotion of international exchanges between researchers and students and an approach focused on the formation of an informatics research center through international collaboration, in addition to publishing its research results internationally.

[Interdisciplinary information processing]
To further the development of new domains through synergistic efforts between cross-functional interdisciplinary research and diverse academic disciplines, NII undertakes cross-functional transdisciplinary integration research at the Transdisciplinary Research Integration Center of the Research Organization of Information and Systems.

[Graduate education and human resource development]
In the Ph.D. program for informatics in the School of Multidisciplinary Sciences at the Graduate University for Advanced Studies, NII aims to nurture world-class researchers in the field of informatics. We seek also to establish a base for the development of engineers with the skills to link industry with academia as we develop professionals with high-level skills.
Future Value Creation through Informatics by Advancing Research and Operations in Tandem

Advancing integrated research and education in the field of informatics
Informatics is a new academic discipline based not only on computer science and information technology, but on the human, social, and life sciences. NIL advances informatics research with the goals of creating future value; furthering social and public contributions; promoting interdisciplinary approaches to information processing; forming partnerships among industry, government, and academic organizations; and pursuing international research activities and operations. NIL has established four research divisions, nine research centers, the Organization for Management and Outside Collaboration on R&D.

Nine Research Centers

Research and Development Center for Academic Networks
Develops and offers new services and functions for increasing the operational efficiency of the Science Information Network (SINET) which constitutes part of the Cyber Science Infrastructure (CSI).

Research Center for Community Knowledge
Develops next-generation information and communications technology and information sharing platform system by creating “Net Commons” and “Researchmap”.

Global Research Center for Big Data Mathematics
Engaged in cutting-edge research and human capital development to establish NIL as a world-class hub for Big Data Mathematics with a core trial focus on developing high-speed algorithms.

Research Center for Knowledge Media and Content Science
Promotes cutting-edge research on the analysis and use of knowledge content in academic fields.

Global Research Center for Quantum Information Science
Promotes activities such as cutting-edge research and personnel development to establish NIL as a world-class international hub for quantum information.

Center for Cloud Research and Development
Upon the updating of the Science Information Network (SINET), we established a cloud-based cutting-edge science information platform to promote research and education, and support university reforms.

Cyber Science Infrastructure

Research and Education Activities

- Academic Community University, Research Institute, and Academic Society, etc.
- Research Strategy Office
- Promotion and Management of Collaboration on R&D
- Society The People and Administration, Community, Industry, Regions, and NPO, etc.
- Academic Information Operations Construction and Operation of Cyber Science Infrastructure Science Information Network
- Resource & Service Scholarly and Academic Information Academic Cloud
- Security Common Infrastructure Academic Resource Sharing Infrastructure Academic Information Infrastructure
- Cyber Science Infrastructure
- SINET Science Information Network
- Commercial Cloud
- GakuNim
- Project
- Supporting academic research and educational activities Promotion of the Cyber Science Infrastructure (CSI)

Promoting the Cyber Science Infrastructure (CSI)
NIL advances the formation and operation of the CSI, a state-of-the-art academic infrastructure. Through these efforts, the entire research organization comprising the Organization for Scientific Network Operations and Coordination, that which plan and manage partnerships and cooperation with universities and other institutions throughout Japan; the Cyber Science Infrastructure development Department, that which handles development and operation of information systems; and the research centers that promote researcher participation and incorporation of the results of research contributes to the academic community and the society.