

## Student Life

### Scholarships

#### 01 Scholarships from private organizations for privately financed international students

Stipends (loans): Approximately 70,000 yen to 100,000 yen/month  
 Note: After enrollment, international students are responsible for applying for specific scholarships announced through the Graduate University for Advanced Studies

#### 02 RA (Research Assistant) positions

This unique employment system allows students to engage in paid work on particular themes under the instruction of academic supervisors. Due consideration is given to students in order to engage in work on diplomas.

Hourly pay: For students in the Master's Degree program: 1,100 yen (about 90,000 yen/month)

For students in the Doctoral Degree program: 1,200 yen (about 100,000 yen/month)

\*Monthly pay is based on 20 hours/week (generally fulfilled in two days over the course of a week)

Currently, 16 of 35 current students (excluding those in the workforce) are working as RA. (as of April 2005)

#### 03 National Institute of Informatics (NII) Scholarship for privately financed international students

This unique scholarship program offered by the National Institute of Informatics targets privately financed international students who demonstrate outstanding scholastic potential for the doctoral course and require financial assistance.

Grant amount: Approximately 70,000 yen/month

Repayment obligation: None

Application: Submit application form with other materials at the time of Ph.D. course application University

Current status: Currently granted to 11 of 16 privately financed international students (as of April 2005)

Note: NII scholarship covers travel expenses and tuition. This scholarship is targeted to applicants for Ph.D. course.

### Student exchange program

This program gives students the opportunity to intern at overseas universities or institutes that have signed MOUs (Memorandum of understanding) with NII. For example, graduate students in the doctoral courses may work with INRIA research teams for two to six months as part of the internship program.

## Research Environment

### Use of online journals and databases

From campus terminals, students have free access to extensive online journal databases from major publishing houses.

#### Available online journals and databases

ScienceDirect, SCOPUS (Elsevier), SpringerLINK (Springer), ACM Digital Library (ACM), MathSciNet (AMS), ASPP (IEEE), e-Proceedings (IEEE CS), COMSOC DL (IEEE Communications Society), Wiley Interscience (Wiley), CUP online (Cambridge Univ. Press), OUP online, Oxford English Dictionary online.

### Network environment

The National Institute of Informatics has established and operates the Science Information Network (SINET), a network linking universities and research institutes across Japan, giving students high-speed Internet access. A wireless LAN system is also available for student use.

### Campus and student life

The campus of the Department of Informatics is situated within the National Institute of Informatics, located in Chiyoda City, Tokyo, near the Imperial Palace, providing excellent transportation access and offering an ideal research environment.



Restaurant



Tea Room



Student Lounge



Training Room



International Seminar House for Advanced Studies



Akihabara Electric Town



Tokyo Dome/Korakuen Leisure Land



Kanda Book Town

### Applications

**Five-year regular Ph.D. course (for those who have completed an undergraduate course of study)**  
**Doctoral degree course (for those who have completed a course of study for the Master's Degree)**

#### Application periods

For October 2006 entry course 28/Jul/2006 (Fri) ~03/Aug/2006 (Thu)

For April 2007 entry course (First application period) 28/Jul/2006 (Fri) ~03/Aug/2006 (Thu)

For April 2007 entry course (Second application period) 15/Dec/2006 (Fri) ~21/Dec/2006 (Thu)

Those who need to submit supporting documents for their application must undertake the necessary procedures prior to the formal application. Dates are given below.

#### Timetable for submitting supporting documents for qualifications

For October 2006 entry course 03/Jul/2006 (Mon) ~06/Jul/2006 (Thu)

For April 2007 entry course (First application period) 03/Jul/2006 (Mon) ~06/Jul/2006 (Thu)

For April 2007 entry course (Second application period) 04/Dec/2006 (Mon) ~07/Dec/2006 (Thu)

For more information on application procedures, please visit our website at

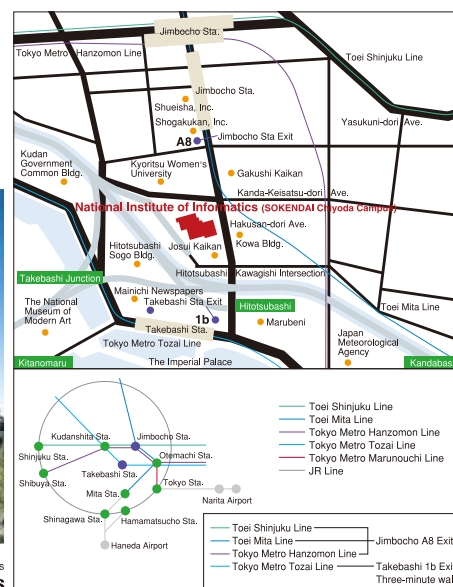
<http://www.nii.ac.jp/graduate/index.html> or review the Enrollment Application Guidelines.

### Access to SOKENDAI Chiyoda Campus

Three-minute walk from Jimbocho Subway Station or Takebashi Subway Station



Research Organization of Information and Systems  
**National Institute of Informatics**



National Center of Science Bldg., 2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo, 101-8430

Tel: 03-4212-2000

**For more information on the Graduate University, please contact**

The Graduate School Section, Research Cooperation Division Tel: 03-4212-2110

E-mail: [daigakuin@nii.ac.jp](mailto:daigakuin@nii.ac.jp) <http://www.nii.ac.jp/graduate/index.html>

Achieving Excellence In Informatics



Director General, National Institute of Informatics  
**Masao Sakauchi**

The field of informatics is widely expected to become one of the dominant areas of academic inquiry in the 21st century. Rising from the traditional foundations of information science and engineering, informatics represents a new, comprehensive, interdisciplinary research field that examines information-related issues, including issues in the humanities and the social sciences.

The Department of Informatics established in the National Institute of Informatics (NII) offers a Ph.D. program in informatics to educate and cultivate researchers to have a solid grounding in advanced informatics and expertise across a broad range of disciplines, as well as flexible perspectives and sophisticated technical knowledge. Candidates for the Ph.D. program are also expected to enter the ranks of international and interdisciplinary professionals well-versed in informatics.

NII is only comprehensive academic informatics institute in Japan. As a core research institute in this field in Japan, NII functions as a center for collaborative research among universities and other organizations. NII also promotes a range of commercial efforts, offering cutting-edge infrastructures for academic information distribution, characterized by the goal of advancing research and operations in tandem. The Ph.D. program in informatics encompasses a broad range of curricula, ranging from basic informatics-related concepts, fundamental theory, and core science/engineering to the information system sciences and social information sciences required to design, develop, and manage next-generation information infrastructures and advanced information systems, as well as the content handled by these systems. NII offers an environment in which students can study and pursue research in these areas systematically and comprehensively.

NII has a clear vision of the students we hope to cultivate: researchers with a keen interest in informatics — an inter-disciplinary field encompassing the natural sciences, humanities, and social sciences — dedicated to realizing an advanced information-based society, and capable of serving as leaders in the field of informatics. We seek students with the aptitude to become sophisticated professionals devoted to the development of information technologies that will contribute to societal progress, as well as members of society with a strong interest in acquiring broader perspectives and deeper technical knowledge as they serve in the workforce.

In the Department of Informatics, we look forward to our future students and the challenges we expect them to tackle. We fully expect that the progress and development of these students in informatics will change the world.

## Our Research

Informatics is a new academic discipline based not only just on computer science and information technology, but on the human, social, and life sciences. NII advances informatics research with the goals of creating future value; furthering social and public contributions; promoting interdisciplinary approaches to information processing; partnerships among industry, government, academic, and civilian organizations; and international research activities and operations. NII has established four research divisions, five research centers, the Organization for Management and Outside Collaboration on R&D, and the Collaborative Research Unit.

### Principles of Informatics Research Division



#### Main research themes

- Genome and bioinformatics
- Internet news
- MEG (Magneto Enthalophalo Graphy) inverse problem
- Quantum information/computation
- Relation among security notions
- Dynamics of knowledge and belief
- Research on engineering ethics
- Logical semantics
- Type theory
- Robot intelligence
- Legal Reasoning
- Knowledge sharing system
- Machine learning for semantic annotation

### Information Systems Architecture Research Division



#### Main research themes

- Photonic network architecture
- Research on quality of service provisioning
- Privacy protection and security technologies
- The SSS-PC operating system
- Mobile and distributed computing
- Asynchronous circuits to FPGA
- Ubiquitous computing
- Grid Computing
- Internet traffic
- Context-Aware
- Networks-on-Chips
- XML query language

### Digital Content and Media Sciences Research Division



#### Main research themes

- Broadcast video archive
- Earth Environmental Information
- Research on parallel association computation based on algebra of association
- Identification and linkage of text information
- Sensing and understanding human activities
- Computer supported lifelong learning
- Multilingual semantic management
- Heterogeneous data
- Text mining
- Video Corpus Analysis
- Meteoinformatics
- intelligent video structuring
- Physics-based object
- Semantic Web environment
- Multi-modal
- Human-Agent Interaction

### Information and Society Research Division



#### Main research themes

- Collaborative learning environment
- Union catalogue database construction and usage
- Motor coordination in communication
- Metrical analysis of research trends and research evaluation
- Structure analysis on network
- Legal, institutional and policy research
- Lifecycle management system
- Knowledge sharing
- E-Commerce
- Distance learning
- Similarity search
- Multi-faceted metadata
- Text corpora
- Intelligence community
- Humans
- Information public policy

The Faculty

<b>Principles of Informatics Research Division</b>	Ken Hayami Kenichi Kawarabayashi Takeaki Uno Makoto Kanazawa Makoto Tatsuta Kazushige Terui Keiji Matsumoto Kae Nemoto Youdai Watanabe ※ Yoshihisa Yamamoto	Asao Fujiyama Hiroko Satoh Nigel Collier Ryutaro Ichise Tetsunari Inamura Katsumi Inoue Ken Satoh Hideaki Takeda Haruki Ueno
<b>Information Systems Architecture Research Division</b>	Shunji Abe ※ Shoichiro Asano Kensuke Fukuda Yusheng Ji Eiji Kamioka ※ Jun Matsukata Shigeo Urushidani Shigeki Yamada Hiromichi Hashizume Michihiro Koibuchi	Takashi Matsumoto Kenichi Miura Soichiro Hidaka Katsumi Maruyama Ichiro Satoh ※ Shinichi Honiden Hiroshi Hosobe Shin Nakajima Hironori Washizaki Tomohiro Yoneda
<b>Digital Content and Media Sciences Research Division</b>	Hiroyuki Kato ※ Akihiko Takano Atsunhiro Takasu ※ Jun Adachi Akiko Aizawa Koji Eguchi Norio Katayama Keizo Oyama Asanobu Kitamoto Kazuya Kodama	Hiroshi Mo Imari Sato Shin'ichi Satoh Akihiro Sugimoto Kenro Aihara Frederic Andres Masashi Inoue Ikki Ohmukai Helmut Prendinger Seiji Yamada
<b>Information and Society Research Division</b>	Noriko Arai Hironobu Gotoda Noriko Kando ※ Teruo Koyama Akira Miyazawa Masamitsu Negishi Kouchirou Ueki Nobuhiro Furuyama Masaki Nishizawa	※ Morio Shibayama ※ Yuan Sun ※ Hajime Kitaoka Takashi Koga Hitoshi Okada Noboru Sonehara Yohichi Tohkura Masashi Ueda
<b>Global Liaison Office</b>	Henri Angelino	

※ As for it is not the charge teacher of Department of informatics it is possible to receive guidance, but as an adviser.

We introduce a theme of each teacher in the following URL

<http://www.nii.ac.jp/research/theme-j.shtml>