Nara Institute of Science and Technology
Graduate School of Information Science
Graduate School code: 71

Web site: ***http://isw3.naist.jp/home-en.html***

1. Graduate School code	71	
2. Maximum number of participants	Maximum of 3 participants per year	
3. Fields of Study	☒Engineering	
Sub Fields	Computer Science, Media Informatics and Applied Informatics	
4. Program and Degree	Program	Program in Information Science and Engineering Program in Computational Biology Program in Intelligent Cyber-Physical Systems Program in Data Science
	Degree	Master of Science or Master of Engineering
5. Standard time table (Years needed for graduation)	Starting as a Research Student up to 6 months, then 2 years as a Master's Student after passing the entrance exam	
6. Language of Program	English	
7. Desirable English level and Necessary Academic background	Linguistic Ability	Speaking, Listening, Writing and Reading
	EJU, IELTS, GRE or else	IELTS: > 6.0
8. Prior Inquiry From Applicants (Before Submission of Application Documents)	MUST	
9. Website	http://isw3.naist.jp/Contents/Admission/nyushi-en.html	
10. Professors and Associated Professors	Yasuhiko Nakashima	arch-staff [at] is.naist.jp: In our laboratory, we study state-of-the-art technologies for next-generation computing paradigms. Our goal is to realize environment-friendly, high-performance, and robust computer systems under energy constraints. From a wide viewpoint (from new theories to LSI implementations), we

		promote cutting-edge research and the highest degree of education within various research themes, particularly: high-performance, low-energy and dependable computation, and hardware/software co-design.
	Michiko Inoue	dsl-contact [at] is.naist.jp Today's information society is supported by various levels of advanced technology such as applications, systems, computers and VLSIs. The Dependable System Laboratory is pursuing research on safe and secure systems including distributed systems with hundreds of computers and VLSIs with billions of transistors. "Dependability" is a concept from the user's point of view, when systems can be used reliably and securely.
	Keiichi Yasumoto	yasumoto [at] is.naist.jp We are conducting research using a smart home facility built within the university. This facility provides an actual home environment where various home appliances are deployed as in an ordinary household. In addition, this facility is equipped with special sensors including a high-accuracy indoor positioning system, wireless power meters, door sensors, and others. We are collecting data while subjects are actually living in this facility and develop various methods including activity recognition and automatic appliance control using the collected sensor data.
	Minoru Ito	ito [at] is.naist.jp We work with a variety of research topics to realize distributed pervasive systems. Each master's course student starts his/her two year study by choosing an interesting research issue. Staff with different areas of expertise actively work with students to discover new perspectives towards each problem. We move forward through cooperation in pursuit of novel research results. Most master's course students attend domestic and international conferences to present their achievements. We encourage students to take such opportunities to let people know how important, difficult and interesting their work is.
	Kenichi Matsumoto	matumoto [at] is.naist.jp The software engineering laboratory uses both theoretical and empirical approaches to address various problems related to software development, human computer interaction and software lifecycle management. We fully exploit the potential of students' curiosity and creative thinking and, together with conventional research theories and technologies, explore new topics in software engineering.
	Hajimu Iida	sdlab-contact [at] is.naist.jp In the Software Design & Analysis Laboratory, we conduct research on the methods and technologies which support the design / development of software and cloud computing systems. Our main focus is on the analysis and improvement of the software development process. Software technology is increasingly present in our daily lives, including various software embedded machinery and electronic devices for homes or mobile telephones and social infrastructures represented by cloud computing systems.
	Youki Kadobayashi	youki-k [at] is.naist.jp The Internet has become a vital infrastructure for our daily lives. We believe the Internet has to be trustworthy and more dependable as a core component for various services and applications in our society. To this end, we explore novel architectures of the Internet to harness sustainability and to overcome the various challenges facing our society. In addition, we also consider the

		influence of technical innovations on humans. Our goal-oriented research employs a variety of methodologies, from the theoretical to the practical, and from simulation to demonstration.
	Yuichi Hayashi	yu-ichi [at] is.naist.jp In the Information Security Engineering Laboratory, we conduct research on methods to ensure hardware safety, which is the bedrock of system information security. We also conduct research to ensure the security of the entire system, including the upper layers.
	Kazutoshi Fujikawa	inet-info [at] is.naist.jp In our laboratory, students can study a variety of topics concerned with computer networks, from the network layer to the application layer. The strength of our laboratory is that students have opportunities to perform their research using actual computer network environments because all faculty members are engaged in the Information Initiative Center (ITC) of NAIST. Additionally, in some cases we develop devices to create appropriate research environments. Our laboratory welcomes students of all levels of expertise, providing seminars on basic theoretical and practical studies as well as advanced areas.
	Yuji Matsumoto	matsu [at] is.naist.jp Natural languages are highly complex systems embodying various kinds of exceptions and subtle linguistic phenomena among beautiful grammatical rules. They are also systems for representing and describing our knowledge. To analyze and interpret languages computationally, one needs various theories and tools. Our lab organizes many research projects and reading groups focusing on areas from fundamentals to applications. Each group presents surveys of cutting-edge research topics and reads books and journals,while each project holds meetings on the research progress of its members. By participating in these reading groups and research projects, we encourage people to gain extensive knowledge on natural language processing that cannot be studied otherwise.
	Satoshi Nakamura	s-nakamura [at] is.naist.jp As a Super Research Group, SRG, we collaborate with other research laboratories within NAIST and other international research laboratories. We participate in the InterACT consortium with 8 research universities including CMU/KIT. The AHC-lab provides an international research environment for students where all students can experience interaction and collaboration with students and faculty from all over the world.
	Minoru Okada	mokada [at] is.naist.jp We do not only evaluate systems through theoretical analysis and computer simulation, but also implement them onto hardware using FPGA (Field Programmable Gate Array) and embedded systems. Students learn theories of signal processing and communication systems. In addition, they experience embedded system programming and digital circuit design.
	Kyoshi Kiyokawa	kiyo [at] is.naist.jp Cybernetics is an academic field that unifies humans and systems. Reality engineering is used in the meaning of a superordinate concept bundling virtual reality (VR), augmented reality (AR), mixed reality (MR) and so on. In this laboratory, we are studying all of these, especially sensing, display and interaction technologies.

	Hirokazu Kato	kato [at] is.naist.jp Our vision is to introduce Augmented Reality (AR) into the everyday lives of the entire population. In order to achieve our vision, it is imperative to merge three currently distinct research fields into one: computer graphics, computer vision, and human-computer interaction. We focus on creating novel ways to create and interact with AR in hand-held, head-worn, and projector systems.
	Yasuhiro Mukaigawa	mukaigawa [at] is.naist.jp Our research interests stand on both computer vision and computer graphics techniques, which are inextricably linked together. Some of this research has interdisciplinary applications in areas such as medical and agriculture, and is performed in collaboration with other universities and companies.
	Eiji Aramaki	aramaki [at] is.naist.jp Our laboratory has been recently established to develop a new academic field, which can oversee the entire range from basic science to real-world applications. Our core technology is natural language processing, but we aggressively employ and collaborate with other fields in order to produce extensive applications mainly in the medical and healthcare fields. Fig. 3 displays an example of our targets, involving medical fields, clinical fields, psychology, architecture, and much more.
	Tsukasa Ogasawara	ogasawar [at] is.naist.jp The members of the Robotics Laboratory have various backgrounds which enable us to deal with multiple technologies that intelligent robot systems require. By devoting our specialists to solve particular problems in the robotics field, we aim to transform our members' skills into improved intelligent robot technologies. Furthermore, a considerable number of students often have the opportunity to perform demonstrations of our robots in different places, including stays in other research facilities. We always welcome new students to join our laboratory, and it's cooperative and friendly environment.
	Kenji Sugimoto	kenji [at] is.naist.jp We welcome motivated students from various fields including mechanical/electrical engineering, mathematical/physical science, as well as computer science. The faculty guides students individually, taking into account their backgrounds, and assists them in mastering mathematical system approaches by the end of their course. Thereby they acquire a wide range of technical skills from fundamental theories to applications. The students in our lab are highly motivated, diligent, cooperative and eager to learn from others. We anxiously await such students from all over the world.
	Shoji Kasahara	kasahara [at] is.naist.jp The Large-Scale Systems Management Lab research aims to develop mathematical modeling and simulation techniques for design, control and architecture of large-scale systems such as computer/communication networks, with which the resulting systems achieve high performance, low vulnerability and highly efficiency energy. Our research focus is on network-science oriented design frameworks, fundamental technologies and highly qualified services, particularly for large-scale computer/communication network systems. The laboratory was established in June 2012, and we welcome students from abroad who have strong interest in theories and simulation skills for designing smart services over large-scale complex systems including data centers, cognitive radio networks, and

		energy-harvesting networks.
	Kazushi Ikeda	kazushi [at] is.naist.jp Mathematical informatics is interdisciplinary; faculty and students in our lab have a variety of backgrounds, such as mathematical engineering, electric and electronic engineering, mechano-informatics, statistical science, physics, psychology, social science and medical science. We welcome students from any background since "mathematical models are everywhere", as far as they are interested in mathematical models.
	Yoshinobu Sato	yoshi [at] is.naist.jp Our laboratory features a highly integrated research environment for information science, biomedical imaging, clinical medicine, and other related technologies. We have a number of medical and technical collaborators, including companies, working together within Japan and throughout the world. We fully utilize our unique environment and our network of researchers to pursue our work in imaging-based computational biomedicine.
	Shigehiko Kanaya	skanaya [at] gtc.naist.jp We work in an interdisciplinary field between information technology and bio-medical science. Our aim is to further both bio-medical science and information technology. Students study a wide variety of technologies, such as signal and image processing, imaging technology, optics, and nanotechnologies. We have developed techniques to identify gene function and disease mechanisms at high resolution.
11. Features of University	NAIST was founded in 1991 as a Japanese national university consisting solely of graduate schools in three integrated areas: information science, biological sciences, and materials science. At present, about 1,000 students- 22% from overseas- are supervised by roughly 200 NAIST faculty. With its cutting-edge facilities and a 5:1 student-to-faculty ratio, NAIST's world-leading research and education are a direct result of its rich, global environment and supportive infrastructure. Moreover, the outstanding achievements of NAIST's faculty and students are shared world-wide through patents, licenses, spin-off companies, and active exchange with overseas partners. As a result, NAIST has quickly established itself as a world-class research and education center where young scientists and technologists become tomorrow's global leaders.	
12. Features of Graduate School	The Graduate School of Information Science (GSIS) undertakes high-level fundamental research in information science, while systematically training students to be pioneering researchers and engineers in the areas of information science and engineering. In 2011, three departments in GSIS were integrated into the Department of Information Science, which has three divisions: Computer Science, Media Informatics and Applied Informatics. GSIS offers flexible systems for students, such as entrance examination by interview, accelerated admission and early course completion to accept and encourage excellent students. Through our acknowledged curriculum and research base, we educate students who will pioneer research and development in a highly advanced information society.	
13. Features and Curriculum of Program	GSIS established the master's International Program in April 2011 to encourage enrollment of outstanding students from countries worldwide. The International Program is designed to mainly accommodate international students, offering research and education environments (lectures, research supervision, office help, etc.) in English, as well as opportunities for students to familiarize themselves with Japanese culture. A wide range of subjects are provided in information science and in such interdisciplinary areas as intellectual property and professional ethics. Please see our website below for more program information. http://isw3.naist.jp/Contents/Education/International-en.html	

14. Academic Schedule	Please refer to the following website for the details: http://www.naist.jp/en/campuslife/academic_calendar/
15. Supporting service to International Students	
International Students Support Center for Consulting or counseling about daily life, campus life, cross-cultural adjustment etc.	*Orientation & welcome parties for new students (April & October) *Cultural trips to Nara & Kyoto (spring & autumn) *International Friendship Meeting for international students, researchers & invited guests *On-campus events to foster interaction and community ties *Support of studies and daily life by student tutors for first 5 months *Services for student visa application *Medical counselling and mental health services *Inter-department staff support system throughout the campus
Provision of Student Dormitory	International students are given priority to live in dormitories and may live in them 2 years for master's course and 3 years for doctoral course students. To support research and experimental work, LAN access is provided for the student dormitories. Please see the following website. http://www.naist.jp/en/campuslife/student_dormitories.html
Japanese Language Education Program for International Students	We offer the "Japanese Class for Beginners" for new enrollees. Please see our website below for more program information of the Japanese Class for Beginners. http://is-education.naist.jp/subjects/preview_teachers In addition, students can take extracurricular classes offered by experienced volunteer teachers to continuously improve their language skills. http://www.naist.jp/en/international_students/current_students/student_life/support_for_studies/japanese_classes.html
Cultural Activities	We offer "Japanese Culture" classes for students in the International Program. Please see our website below for more program information of the Japanese Culture. http://is-education.naist.jp/subjects/preview_teachers In addition, we provide all staff, faculty, and students an opportunity to increase understanding of Japanese culture and history as a part of NAIST's cultural activities twice a year. We held Cultural Activities for visiting to temples around Nara in 2016.
Any special attention to Religious Practice	In order to assist students in their daily lives, NAIST's cafeteria menu is in English and there is a HALAL food section in the union store for our international students and researchers from diverse backgrounds.
facilities (Library etc)	NAIST Digital Library https://library.naist.jp/portal/drupal/?q=en Health, Leisure and Recreational Facilities http://www.naist.jp/en/campuslife/recreational_facilities/

Please state other particular supporting service you are endeavoring, if any.	We have set up the Center for International Students and Scholars in 2016. CISS's mission is to offer counselling, translation and information services in areas such as: *Cultural differences *Student-faculty relations *Local information and transportation *Housing issues *Family matters (schooling, medical referrals, etc.) The Center for International Students and Scholars (CISS) was established to ease and enhance living, studying and working in Japan for students, scholars and their spouses and families. While the International Student Affairs Section and the International Affairs Section will facilitate your studies with administration support, CISS supports students in their daily lives with the hope that they may fully enjoy the time they spend at NAIST.
16. Message to Prospective International Students	
Message from University	President's Message http://www.naist.jp/en/about_naist/president/index.html Message from Dean http://isw3.naist.jp/Contents/InfoSci/message-en.html
Voice of International Students	Voices of International Students studying in NAIST, please see the following website. http://www.naist.jp/en/campuslife/international_community/