

National Institute of Informatics Open Collaborative Research 2025

Application Guidelines

1. Overview

The National Institute of Informatics of the Inter-University Research Institute Corporation Research Organization of Information and System, hereinafter 'NII', as an inter-university research center, seeks to collaborate with researchers from universities and research institutes both domestically and internationally, with the aim of advancing the creation of future value in the field of informatics in Japan.

Recently, there has been a demand in informatics for new theories, methodologies, and applied research that create pioneering practical value for individuals and society. NII invites researchers who can synergize the promotion of this type of research and pursue pioneering studies through collaboration with other academic fields.

This call for the collaborative research is for researchers affiliated with research institutes (except for NII), such as universities, to conduct research activities together with faculty of NII.

The applications by young researchers, female researchers, and/or those affiliated with regional universities, are highly recommended.

The collaborative research that includes **members affiliated with overseas institutes, herein after 'international collaborative research', is strongly encouraged** in the purpose of the promotion of the international collaboration.

2. Categories for collaborative Research

NII Open Collaborative Research program invites research proposals in the three categories stated below.

Applicants (principal investigator) are required to understand the purpose of this program and be aware of the following when applying:

- i. It's encouraged to include faculty of NII as collaborative researchers.
- ii. The applicant (principal investigator) must have collaborative researcher(s) in the application. (The application without any collaborative researcher is not allowed.)
- iii. Appoint a faculty of NII as a contact person, who gives instructions and/or advice. It's preferable that the contact person also works as a collaborative researcher.
*If it's difficult to designate a contact person, please contact us through the address in '17. Contact Information.'
- iv. It is **mandatory to have an advance agreement with a contact person for implementing a collaborative research project.**
* If it is discovered that such an agreement was not obtained, the acceptance may be revoked.
- v. The grant provided through this program is intended to be used within a single fiscal year.
- vi. This program aims to provide research opportunities to serve as a foothold for securing competitive research funding in the future, such as Grants-in-Aid for Scientific Research, competitive research funding provided by ministries, and/or grants provided by other associations.

*See 'Appendix 1, the List of the faculty of NII' for the detailed information.

(1) Strategic Research [Strategy] (Budget Limit: 1.5 million JPY/fiscal year)

Flexibly define a research topic based on one of the 11 research themes that NII have strategically proposed, considering the recent trends in informatics.

See Appendix 2 for 'the List of Strategic Research Theme'.

(2) Research Planning Meeting [Meeting] (Budget Limit: 0.8 million JPY/fiscal year)

Flexibly define a **novel research theme** that fulfills one of the conditions below, and organize meeting events, such as exchanges, discussions, practices, and/or meetings.

Research area don't need to be confined to informatics.

- Collaboration between informatics and other research fields.
- Strengthening the collaboration between areas in informatics
- Novel Grand Challenge to tackle in open problems in informatics

Meetings must be held

at least **more than once** at International Seminar House for Advanced Studies
with at least more than five collaborative researchers.

Meetings of the same scale can be held at NII if appropriate.

This, however, isn't applicable in the case of outbreak.

It may be requested to hold meetings with other research groups that work on similar topics in the purpose of enhancing discussions.

International Seminar House for Advanced Studies:

This facility was built on land donated Dr. Hiroshi Inose, the first director-general of NII to be an ideal place for interdisciplinary and international discussions.

There are a seminar room, maximum capacity of 40 people, and bedrooms that accommodate 10 people, with the option to add extra beds to lodge up to 5 more people.

1052-471, Okan Minamihara Nagakura, Karuizawa, Karuizawa-cho, Kita Saku-gun,
Nagano 389-0111, JAPAN

URL: <https://www.nii.ac.jp/about/seminar-house/>

National Institute of Informatics

2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo 101-8430

URL: <https://www.nii.ac.jp/about/access/>

(3) Free Proposal [Free] (Budget Limit: 1 million JPY/fiscal year)

Define and propose any preferable research topics.

3. Eligibility for applicants (Principal Investigator)

- i. Researchers affiliated with domestic universities, junior colleges, technical colleges, and inter-university research institutes or any other equivalent researchers or professional graduate students.
- ii. Researchers affiliated with domestic private sector companies, etc.

4. Eligibility for collaborative researchers

- i. Researchers affiliated with domestic or international universities, junior colleges, technical colleges, or inter-university research institutes, or any other equivalent researchers and graduate students.
*Undergraduate students at universities and undergraduate and associate degree students at technical colleges are excepted.
- ii. Researchers affiliated with domestic private sector companies, etc.

5. Research Period

From April 1st, 2025 to March 31st, 2026.

6. Application Method

Fill in “NII Open Collaborative Research program 2025 - Application Form (Form 1),” referring to the attached instructions.

The proposal must be submitted via **‘Joint-Research On-line Integrated System, JROIS,’** here in after ‘JROIS.’

The applicants (principal investigator) are required to upload the application form in Word format to JROIS.

*Applicants need an account for using the services on JROIS.

*See the operation manual for details.

JROIS: *The operation manual is available here.

<https://jrois2.rois.ac.jp/>

Ensure to **obtain approval from the representative of the applicants’ (principal investigator) affiliated institutes before the submission.**

*If the requirement above is difficult, this can be substituted with the approval from the head of department, etc.

A confirmation letter, however, may be required at a later day, as a proof of the fact that the institution representative agrees to the implementation of the collaborative research project, if it is a case.

It’s also required to **have a thorough discussion on the details of the research proposal and the implementation measures with the contact person, a faculty of NII, BEFORE the submission.**

*Refer to the Appendix 3 for the overall process, from the advance preparation until the follow-up survey after the end of this NII Open Collaborative Research program.

7. Terms of the Application

Applicants (principal investigator) must agree to the following terms prior to the submission.

In addition, they should also ensure that all the collaborative researchers in the application adhere to the terms in this section.

As for the item iv and v, overseas researchers are required to thoroughly review the English version or engage with relevant lectures as much as possible.

- i. Ensure to properly handle the information, especially personal information and confidential information, and manage in accordance with relevant laws and regulations with proper responsibility on one's part.
- ii. Comply with relevant regulations and take necessary measures as required in societal standards conducting research activities.
- iii. Recognize and fully acknowledge that academic research is entrusted by the public and this collaborative research grant is funded by valuable taxes on the assumption of "Guidelines for the Management and Auditing of Public Research Funds at Research Institutions (performance criteria), adopted February 15th, 2007, by MEXT, revised February 1st, 2021. "

As well as ensure to execute grants properly and efficiently and undertake to refrain from any misconduct in research activities.

- iv. Ensure the following prior to the commencement of the research project:
 - a. Thoroughly review the educational materials on research ethics designated by MEXT, titled 'For the Sound Development of Science - The Attitude of a Conscientious Scientist.'(*1)
 - b. Engage with the 'Education for Research Ethics and Integrity APRIN e-Learning Program (eAPRIN)' provided by the Association for the Promotion of Research Integrity (*2),
OR review the 'Guidelines for Responding to Misconduct in Research,' adopted by MEXT on August 26th, 2014, and participate in the research ethics education program provided by the affiliated institute.
 - c. Obtain approval for the research plan and its implementation from the research ethics committee or an equivalent body at the affiliated institute, if necessary.

(*1) <https://www.jsps.go.jp/english/e-kousei/ethics.html>

(*2) <https://edu.aprin.or.jp/>

- v. Prior to the commencement of the research project, ensure to engage with the training on security export control conducted by the affiliated institute OR participate in 'e-Learning Program for University and Research Institution Faculty and Staff' on security export control (*3), and comply with relevant laws and regulations.

(*3) <https://www.meti.go.jp/policy/anpo/daigaku/el/elindex.html>

8. Submission Deadline

Friday, November 29th, 2024

by uploading the application forms in Word format to JROIS

JROIS: <https://jrois2.rois.ac.jp/>

9. Review and Results Announcement

The final decision will be determined by the Director-General of NII based on the review results of proposals by the Joint-Research Committee of NII.

* For the international collaborative research projects, the review will also take the international aspects into account.

The review will be made by the end of March 2025, and results will be announced to applicants (principal investigator) **on JROIS**.

Note that any submitted documents will NOT be returned.

10. Collaborative Research Expenses

The guidelines to use collaborative research expenses are outlined as follows, in accordance with the purpose of each collaborative research project, focusing on strengthening collaboration among researchers in the project, enrichment of research results, and enhancement of information collection.

(1) Strategic Research [Strategic] (Budget Limit: 1.5 million JPY/fiscal year)

- Travel expenses
- Expenses related to participation of academic events (*1)
- Journal submission and publication fees (*2)
- Other expenses (*3)

(2) Research Planning Meeting [Meeting] (Budget Limit: 0.8 million JPY/fiscal year)

- Travel expenses for participating in meetings
- Honoraria for invited speakers, including online talks

(3) Free Proposal [Free] (Budget Limit: 1 million JPY/fiscal year)

- Travel expenses
- Expenses related to participation in academic events (*1)
- Journal submission and publication fees (*2)
- Other expenses (*3)

(*1)

Subject:

- i. Registration fees for academic events, such as conferences
- ii. Expenses related to proceedings, preprints, and so on.

Conditions:

- i. Expenses must be incurred in collecting information for the collaborative research project
- ii. Expenses incurred in presenting research results of the collaborative research project

(*2)

Subject:

- i. Journal/paper submission fees/processing charges, including to preprint servers
- ii. Fees for English manuscript editing services

Conditions:

- i. Expenses must be incurred in journals/paper/articles resulted from the collaborative research project
- ii. Fees for English manuscript editing services include the ones in the following purposes:
 - Submissions to preprint servers
 - Creating manuals for open software
- iii. Expenses related to book publication are NOT covered.

(*3)

The payable subjects are limited as follows:

- i. Production cost of manuals for open software
- ii. Expenses incurred in building datasets
- iii. Licensing fees for video conferencing tools
- iv. Rental charges of conference room, with a simple, non-extravagant design
- v. Service charges for research cloud services provided by NII
- vi. Academic/Commercial cloud service charges
- vii. Expenses for communication and shipping related to conducting experiments and/or research presentation for the collaborative research project, including network service charges
- viii. Honoraria for invited speakers, including online talks

NOTE:

- i. The payment and contract period are limited to a single fiscal year.
- ii. If related to the items above, payment of honoraria is permissible.
 - *Payment for the collaborative researcher in the same project is NOT allowed.
- iii. Expenses incurred in purchasing items, including consumables, are NOT permissible.**
- iv. This grant cannot be used by combining multiple collaborative research expenses or any other competitive research fundings.
- v. A contact person, a faculty member of NII, is responsible for managing and executing the collaborative research expenses. This grant will not be distributed to the affiliated institutes of the applicants' (principal investigator) or of the collaborative researchers'.

The budget should be executed in accordance with budget plans based on the discussion with the contact person.
- vi. Travel expenses will be paid in accordance with the regulations and rules of NII, including transportation fees, round trips, daily allowances, and accommodation fees.

11. Intellectual Properties of Research Results

The intellectual property ownership resulted from the collaborative research project will be established as follows:

1. When an individual member of the project, including a contact person, contributes to the achievement, the exact contributor OR their affiliated institute owns the right.
2. When multiple researchers of the project, including a contact person, jointly contribute to the achievement, the intellectual property rights will be shared among the contributed researchers or their affiliated institutes.

12. Research Results Report

Research results report must be submitted by uploading to JORIS after the end of the collaborative research, following the conditions below:

Submission Deadline:	<u>Friday, June 19th, 2026</u>
Necessary Form:	NII Open Collaborative Research 2025 Results Report, Form 2
File Format for Upload:	in Word format
Notice:	The form requires to report the application status for competitive research fundings, based on the premise that this program is intended to serve as a foothold for applying for and securing such fundings. The follow-up survey will be conducted around September and/or October in 2026 regarding the results of applications for fundings and other achievements.

*Note that Form 2 may be subject to change and the official form will be provided after the end of the research period.

*The submitted report will be released on the website of NII and in the annual report, and it may also be published in the newsletter or other PR media.

13. Acknowledgement in Presentation and Publication

When disseminating the research results of this program, **it must be explicitly stated that the research was funded by NII Open Collaborative Research program.**

[Example acknowledgement (Japanese)]

「この研究は2025年度国立情報学研究所公募型共同研究(採択番号)の助成を受けています。」

[Example acknowledgement (English)]

“The research was supported by ROIS NII Open Collaborative Research 2025-(Grant Number).”

14. Confidentiality

Confidentiality will be applied to the following information:

1. Research results arising through conducting the collaborative research;
2. Information that is disclosed by NII in any manner, whether orally, visually, or in tangible form (including but not limited to in writing) in connection with the purpose.
3. Notwithstanding the foregoing items, Confidential Information shall not include the following:
 - i. any information that is already one's possession before the disclosure;
 - ii. any information that is public known at the time of the disclosure;
 - iii. any information that becomes public known, not through one's own fault after the disclosure;
 - iv. any information that has legally been obtained from NII as to which information the receiving party owes no confidentiality obligations.

*The confidentiality must be kept for a period of two years after the end of the collaborative research.

*More detailed arrangements should be discussed when necessary.

15. Others

Note the following when filling in the application form for this NII Open Collaborative Research program:

- i. The collaborative research project may be revoked, or the acceptance of new collaborative researchers may be declined, even after the acceptance notification, based on the decision of NII in case any errors and falsehoods are discovered in the application form. This is particularly the case if the applicants (principal investigator) failed to obtain the approval from the affiliated institute, or if an advance agreement with a contact person was not made for implementing the collaborative research.
- ii. The personal information on the application form, Form 1, will be stored and disposed of appropriately in accordance with the privacy policy of the Research Organization of Information and Systems.
When the application is accepted, the information of the applicants' (principal investigators) will be listed on the official website of NII; the name of the applicant with the affiliated institute and the title of the research topic.

16. Changes on Research Members After the Acceptance

The following forms must be submitted in Word format **in advance by email** to the address listed in '17. Contact Information':

Form 3 ... When adding or removing collaborative researchers

Form 4 ... When there are changes to the affiliated institute or a job title of collaborative researchers or the applicant (principal investigator)

17. Contact Information

For inquiries regarding the details of NII Open Collaborative Research program, submission of application forms and reports and notifications of paper submissions and presentations, please contact the following:

[Contact]

Open Collaborative Research Program Coordinator,
Office for Social Collaboration, Planning Division,
General Affairs Department,
National Institute of Informatics

2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo 101-8430, Japan

E-mail : kyoudou@nii.ac.jp

TEL : 03-4212-2139

*Application guidelines and forms are available here:

<https://www.nii.ac.jp/research/collaboration/koubo/>

National Institute of Informatics, Faculty Information

The faculty of National Institute of Informatics is divided into the following four research divisions:

1. Principles of Informatics Research Division
2. Information Systems Architecture Science Research Division
3. Digital Content and Media Sciences Research Division
4. Information and Society Research Division

[Reference] National Institute of Informatics - Faculty: <https://www.nii.ac.jp/en/faculty/>

[Principles of Informatics Research Division: 17 people]

	Researcher name	Specialty fields	e-mail All domains are @nii.ac.jp
		Researcher introduction URL	
1	Professor Takeaki UNO	Mathematical programming, discrete algorithms, data structures, combinatorial optimization https://www.nii.ac.jp/en/faculty/informatics/uno_takeaki/ [Has research introduction video]	uno
2	Professor Ken-ichi KAWARABAYAS HI	Graph coloring problem in discrete mathematics, structural graph theory and algorithms, network flow and path problems https://www.nii.ac.jp/en/faculty/informatics/kawarabayashi_kenichi/ [Has research introduction video]	k_keniti
3	Professor Hideaki TAKEDA	Artificial intelligence, design theory https://www.nii.ac.jp/en/faculty/informatics/takeda_hideaki/	takeda
4	Professor Makoto TATSUTA	Theoretical computer science, mathematical logic https://www.nii.ac.jp/en/faculty/informatics/tatsuta_makoto/	tatsuta
5	Professor by Special Appointment Kae NEMOTO	Quantum computing, quantum technology, quantum optics, theoretical physics https://researchmap.jp/nemoto?lang=en	nemoto
6	Professor Yuichi YOSHIDA	Property testing, almost linear time algorithms, constraint satisfaction problem, approximation algorithms https://www.nii.ac.jp/en/faculty/informatics/yoshida_yuichi/	yyoshida
7	Associate Professor Masako KISHIDA	Control theory, optimization, control and optimization using machine learning https://www.nii.ac.jp/en/faculty/informatics/kishida_masako/	kishida
8	Associate Professor Mahito SUGIYAMA	Machine learning/data mining https://www.nii.ac.jp/en/faculty/informatics/sugiyama_mahito/ [Has research introduction video]	mahito
9	Associate Professor Akihito SOEDA	Quantum algorithm, theoretical physics, manipulation of quantum systems https://www.nii.ac.jp/en/faculty/informatics/soeda_akhito/	soeda

10	Associate Professor Shuichi HIRAHARA	Computational complexity theory, average-case complexity, minimum circuit size problem	s_hirahara
		https://www.nii.ac.jp/en/faculty/informatics/hirahara_shuichi/	
11	Associate Professor Keijo MATSUMOTO	Quantum statistical inference, quantum information, quantum computation, information geometry, learning theory	keiji
		https://www.nii.ac.jp/en/faculty/informatics/matsumoto_keiji/	
12	Assistant Professor WELLNITZ Philip	Algorithms, Fine-grained Complexity Theory, Algorithms on Strings, Counting Problems	wellnitz
		https://phpre.github.io/	
13	Assistant Professor Ryo KUROIWA	Combinatorial optimization, search algorithms, general-purpose solvers, automated planning and scheduling	kuroiwa
		https://www.nii.ac.jp/en/faculty/informatics/kuroiwa_ryo/	
14	Assistant Professor Taisuke KOBAYASHI	Intelligent Robots, machine learning, data-driven control, human-robot interaction	kobayashi
		https://tk.prinlab.org/en/	
15	Assistant Professor Ryoma SATO	Graph neural networks, optimal transport, recommender systems	rsato
		https://joisino.net/en/	
16	Assistant Professor Shunsuke SHIGAKI	Intelligent Robots, Neuroethology, Data-driven Control, System Identification, Mechatronics	shigaki
		https://sshigaki.jimdofree.com/	
17	Assistant Professor Kaito FUJII	Combinatorial optimization, machine learning	fujiik
		https://www.nii.ac.jp/en/faculty/informatics/fujii_kaito/	

[Information Systems Architecture Science Research Division: 18 people]

	Researcher name	Specialty fields	e-mail All domains are @nii.ac.jp
		Researcher introduction URL	
1	Professor Kento AIDA	Cloud computing, Internet of Things (IoT), parallel and distributed computing	aida
		https://www.nii.ac.jp/en/faculty/architecture/aida_kento/ [Has research introduction video]	
2	Professor Megumi KANEKO	Wireless communications engineering, wireless resource allocation, protocol design for mobile communication systems	megkaneko
		https://www.nii.ac.jp/en/faculty/architecture/kaneko_megumi/ [Has research introduction video]	
3	Professor Takashi KURIMOTO	Communication network architecture, system architecture	tkurimoto
		https://www.nii.ac.jp/en/faculty/architecture/kurimoto_takashi/ [Has research introduction video]	
4	Professor Yusheng JI	AI/ML for networking, communication-efficient distributed learning, massive machine-type communications	kei
		https://www.nii.ac.jp/en/faculty/architecture/ji_yusheng/	

5	Professor Michihiro KOIBUCHI	Interconnected networks, computer architecture, photonic approximate computing	koibuchi
		https://www.nii.ac.jp/en/faculty/architecture/koibuchi_michihiro/ [Has research introduction video]	
6	Professor Masahiro GOSHIMA	Computer architecture, digital circuit technology	goshima
		https://www.nii.ac.jp/en/faculty/architecture/goshima_masahiro/	
7	Professor Hiroyuki SATO	Internet trust engineering, Access control	schuko
		https://www.nii.ac.jp/faculty/architecture/sato_hiroyuki/	
8	Professor Hiroki TAKAKURA	Cyber-security, networks	takakura
		https://www.nii.ac.jp/en/faculty/architecture/takakura_hiroki/	
9	Professor Atsuko TAKEFUSA	Parallel/distributed processing, cloud infrastructure technology, inter-cloud technology, cyber-physical systems, Internet of Things (IoT)	takefusa
		https://www.nii.ac.jp/en/faculty/architecture/takefusa_atsuko/	
10	Professor Ichiro HASUO	Infrastructure software	hasuo
		https://www.nii.ac.jp/en/faculty/architecture/hasuo_ichiro/	
11	Professor Kensuke FUKUDA	Computer networks, time-series analysis, network science	kensuke
		https://www.nii.ac.jp/en/faculty/architecture/fukuda_kensuke/	
12	Associate Professor Fuyuki ISHIKAWA	Software engineering, machine learning engineering, autonomous/smart systems	f-ishikawa
		https://www.nii.ac.jp/en/faculty/architecture/ishikawa_fuyuki/	
13	Associate Professor Eisaku SAKANE	Identity and access management, grid computing	sakane
		https://www.nii.ac.jp/en/faculty/architecture/sakane_eisaku/	
14	Associate Professor Taro SEKIYAMA	Programming languages, program validation	sekiyama
		https://www.nii.ac.jp/en/faculty/architecture/sekiyama_taro/	
15	Associate Professor Ikki FUJIWARA	Research data platform systems, Cloud computing, Computer architecture	ikki
		https://www.nii.ac.jp/en/faculty/architecture/fujiwara_ikki/	
16	Assistant Professor Shunsuke AOKI	Autonomous driving systems, cyber-physical systems, distributed networks, vehicle communications	aoki
		https://www.nii.ac.jp/en/faculty/architecture/aoki_shunsuke/	
17	Assistant Professor Hiroyuki KATO	Data engineering	kato
		https://www.nii.ac.jp/en/faculty/architecture/kato_hiroyuki/	
18	Assistant Professor Sayako SHIMIZU	Authentication and authorization, information security, system operations, data science	smz
		https://www.nii.ac.jp/en/faculty/architecture/sayako_shimizu/	

[Digital Content and Media Sciences Research Division: 21 people]

	Researcher name	Specialty fields	e-mail All domains are @nii.ac.jp
		Researcher introduction URL	
1	Professor Akiko AIZAWA	Text comprehension, knowledge acquisition, document analysis, natural language interfaces	aizawa
		https://www.nii.ac.jp/en/faculty/digital_content/aizawa_akiko/ [Has research introduction video]	
2	Professor Asanobu KITAMOTO	Big data analysis, digital humanities, earth environmental informatics, open science	kitamoto
		https://www.nii.ac.jp/en/faculty/digital_content/kitamoto_asanobu/	
3	Professor Imari SATO	Computer vision, computer graphics, image-based modeling and rendering, mixed reality	imarik
		https://www.nii.ac.jp/en/faculty/digital_content/sato_imari/	
4	Professor Shin'ichi SATOH	Information science	satoh
		https://www.nii.ac.jp/en/faculty/digital_content/satoh_shinichi/	
5	Professor Akihiro SUGIMOTO	Computer vision, human-computer interactions, algorithms, image retrieval	sugimoto
		https://www.nii.ac.jp/en/faculty/digital_content/sugimoto_akihiro/	
6	Professor Atsuhiko TAKASU	Data engineering, data mining, recommendation systems, CPS	takasu
		https://www.nii.ac.jp/en/faculty/digital_content/takasu_atsuhiko/	
7	Professor Helmut PRENDINGER	Anthropomorphic characters, multimedia, multimodal presentation systems, biological interactive systems	helmut
		https://www.nii.ac.jp/en/faculty/digital_content/prendinger_helmut/	
8	Professor Junichi YAMAGISHI	Speech information processing, deep learning, machine learning, biometrics, liveness detection	jyamagis
		https://www.nii.ac.jp/en/faculty/digital_content/yamagishi_junichi/ [Has research introduction video]	
9	Professor Kazutsuna YAMAJI	Metadata assignment and sharing of academic content, platforms for creating academic communities	yamaji
		https://www.nii.ac.jp/en/faculty/digital_content/yamaji_kazutsuna/ [Has research introduction video]	
10	Professor Seiji YAMADA	Artificial intelligence, human-agent interactions, intelligent interactive systems	seiji
		https://www.nii.ac.jp/en/faculty/digital_content/yamada_seiji/ [Has research introduction video]	
11	Associate Professor Frederic ANDRES	Collective intelligence, food data science, human stress monitoring	andres
		https://www.nii.ac.jp/en/faculty/digital_content/andres_frederic/	
12	Associate Professor Satoshi IKEHATA	Computer vision, 3D reconstruction, photometric stereo	sikehata
		https://www.nii.ac.jp/en/faculty/digital_content/ikehata_satoshi/ [Has research introduction video]	

13	Associate Professor Norio KATAYAMA	Computer science, information engineering (database systems)	katayama
		https://www.nii.ac.jp/en/faculty/digital_content/katayama_norio/	
14	Associate Professor Teruhito KANAZAWA	Information engineering (information search)	tkana
		https://www.nii.ac.jp/en/faculty/digital_content/kanazawa_teruhito/	
15	Associate Professor Kazuya KODAMA	Information and communication engineering (pattern media: image processing)	kazuya
		https://www.nii.ac.jp/en/faculty/digital_content/kodama_kazuya/	
16	Associate Professor Yusuke KOMIYAMA	Research data infrastructure, research data management (RDM), semantic web, bioinformatics	komiyama
		https://www.nii.ac.jp/en/faculty/digital_content/komiyama_yusuke/	
17	Associate Professor Shoichi KOYAMA	Acoustic signal processing, Spatial audio, Physics-informed machine learning, Inverse problem, Active control	skoyama
		https://www.nii.ac.jp/en/faculty/digital_content/koyama_shoichi/	
18	Assistant Professor Yuta ASANO	Physics based computer vision, 3D reconstruction	asanoy
		https://www.nii.ac.jp/en/faculty/digital_content/asano_yuta/	
19	Assistant Professor Shuheï KURITA	Visual and language model, language groundings in image, 3D data and robotics, language understandings in the real world	skurita
		https://shuheikurita.github.io/	
20	Assistant Professor Saku SUGAWARA	Natural language processing, computational linguistics, natural language comprehension	saku
		https://www.nii.ac.jp/en/faculty/digital_content/sugawara_saku/	
21	Assistant Professor Hiroshi MO	Information engineering	mo
		https://www.nii.ac.jp/en/faculty/digital_content/mo_hiroshi/	

[Information and Society Research Division: 13 people]

	Researcher name	Specialty fields	e-mail All domains are @nii.ac.jp
		Researcher introduction URL	
1	Professor Noriko ARAI	Distance learning (system development, education), mathematical logic	arai
		https://www.nii.ac.jp/en/faculty/society/arai_noriko/ [Has research introduction video]	
2	Professor Isao ECHIZEN	Multimedia security, multimedia forensics, biometrics, privacy	iechizen
		https://www.nii.ac.jp/en/faculty/society/echizen_isao/ [Has research introduction video]	
3	Professor Noriko KANDO	Information access (evaluation of information search systems, analysis of text structures/genres/links, interactive information access systems, applications of cultural asset archive for educational purposes, information application support systems, cross-language access)	kando
		https://www.nii.ac.jp/en/faculty/society/kando_noriko/	

4	Professor Ichiro SATOH	Distributed systems, programming languages, networks	ichiro
		https://www.nii.ac.jp/en/faculty/society/satoh_ichiro/	
5	Professor Yuan SUN	Psychological statistics, education engineering (learning/analytics, personalized learning assistance), bibliometrics	yuan
		https://www.nii.ac.jp/en/faculty/society/sun_yuan/	
6	Associate Professor Hitoshi OKADA	Digital currency system theory, location information policy theory, e-commerce theory	okada
		https://www.nii.ac.jp/en/faculty/society/okada_hitoshi/ [Has research introduction video]	
7	Associate Professor Hironobu GOTODA	Computer graphics	gotoda
		https://www.nii.ac.jp/en/faculty/society/gotoda_hironobu/	
8	Associate Professor Masaki NISHIZAWA	Quantitative informatics, information systems, cosmic ray physics	nizizawa
		https://www.nii.ac.jp/en/faculty/society/nishizawa_masaki/	
9	Associate Professor Miho FUNAMORI	Higher education policy, scholarly communication, university management, open science Blog on higher education issues around the world: miho channel < https://rcos.nii.ac.jp/en/miho/ >	funamori
		https://www.nii.ac.jp/en/faculty/society/funamori_miho/	
10	Associate Professor Masako FURUKAWA	Education engineering	furukawa
		https://www.nii.ac.jp/en/faculty/society/furukawa_masako/ [Has research introduction video]	
11	Associate Professor Mayumi BONO	Sociolinguistic sciences, conversational informatics, sign language	bono
		https://www.nii.ac.jp/en/faculty/society/bono_mayumi/ [Has research introduction video]	
12	Associate Professor Takayuki MIZUNO	Complex network science, econophysics, computational social science, employing big data in social sciences	mizuno
		https://www.nii.ac.jp/en/faculty/society/mizuno_takayuki/	
13	Assistant Professor Kouichirou UEKI	Neural networks, genetic algorithms, next generation science information systems	ueki
		https://www.nii.ac.jp/en/faculty/society/ueki_kouichirou/	

List of Strategic Research Themes (11 Themes)

1. Proposals for foundation, cooperation, and application technologies contributing to the innovation of scientific research platform

We are seeking proposals related to foundation technologies, cooperation technologies, or application technologies, that contribute to the development of the scientific information infrastructure built and operated by the National Institute of Informatics (NII). This science information infrastructure encompasses various foundational functions, including networks, cloud services, authentication, and research data management, distribution, and search. Examples of proposals include next-generation network architectures, ultra-low-power/low-latency/ultra-high-speed/high-reliability network and system architectures, data transfer, collection, and analysis validation experiments using SINET and Mobile SINET, authentication infrastructure integration, cloud integration (such as supercomputer integration, IoT integration, and comprehensive operations management), as well as large-scale and secure data collection and storage, and research data infrastructure integration.

2. Proposals for cybersecurity analysis technologies using NII-SOCS data

We are seeking proposals related to analysis technologies that utilize approximately one billion pieces of malware data and statistically processed attack information using malware information collected daily through NII Security Operation Collaboration Services (NII-SOCS). Examples of proposals include technologies for estimating the status and trends of incidents by correlating static and dynamic malware analysis with attack information, technologies for identifying suspected attacks and assessing their risk levels based on attack information, technologies to mitigate the impact of cyberattacks, and technologies for anonymizing information of attack detection sensors.

3. Proposals for establishing research data management systems in universities in the era of open science

Driven by the global movement towards open science, there is a growing demand to enhance the reusability of research data to accelerate scientific research and to establish research data governance to ensure institutional compliance. The 6th Basic Plan for Science, Technology, and Innovation has set the targets for all universities and institutions with institutional repositories to formulate data policies by 2025 and to implement Data Management Plans (DMPs) in

competitive public research fundings by 2023. As a result, Japanese universities are now required to intensify their efforts to develop research data management systems/frameworks. We are seeking proposals related to implementing research data management in universities, including challenges and significance, strategic importance, relevant internal and external regulations, effective operational frameworks, infrastructure implementation, and applications in research activities.

4. Proposals for infrastructure building and utilizing “research datasets” as research resources

A research dataset is data well prepared for sharing among researchers while overcoming various social, institutional, and technical constraints. Therefore, not only constructing valuable and easy-handling research datasets, but also developing environments for their use are significant challenges. We are seeking proposals related to the construction itself of research datasets, methodologies for their construction, or shared infrastructures that can coexist with the aforementioned constraints. Examples of proposals include development, construction, and value enhancement of shareable datasets, the establishment of data-sharing platforms with protective features, and the design of policies for data sharing.

5. Proposals for CPS/IoT services and system platform design for realizing more efficient activities in society

The importance of a society-level Cyber-Physical System (CPS) that integrates the physical and digital worlds is emphasized as a foundation of the government’s Society 5.0 vision. This integration is expected to visualize societal dynamics through the analysis of various data collected from real-world sensing and to enhance the efficiency of social systems while creating new value through feedback to the physical world. We are seeking proposals related to innovative CPS/IoT applications and services addressing various social activities, as well as advanced ICT infrastructure designs to support them. Proposals are also welcome that address new challenges, including developing methods for quantitatively measuring service impact, and advancing CPS infrastructure (such as data collection methods, data management and analysis platforms, feedback mechanisms to the physical world, and the integration and dependability assurance of these components).

6. Proposals for performance evaluation of quantum network and benchmark establishment

Performance evaluation of quantum networks is crucial not only for completed quantum networks but also for assessing the design and progress of networks before their completion. Performance can be defined from various perspectives. This theme pursues to clarify which issues are appropriate for evaluating the practicality of quantum networks, and what level of processing speeds and scales is desirable for resolving those issues. We are seeking proposals that contribute to the development of appropriate performance evaluation and benchmarking for quantum networks. Additionally, proposals for new algorithms and/or programming techniques based on these benchmark evaluations are also welcome.

7. Proposals for engineering techniques for quality and trust of AI systems

The social implementation of AI systems that operate deeply within human society and the physical world has actively been pursued. These systems require assurances of safety, ethics, and governance in the real-world context, involving a broader and more uncertain scope of quality and trust. The introduction of large-scale language models and interactive generative AI significantly expands the range of applications but also makes the efficient and systematic evaluation and improvement of quality and trust even more challenging. We are seeking proposals for adapting and advancing technologies to address these issues from software science and engineering perspectives, as well as AI perspective. For example, proposals may focus on risk analysis for AI systems, automatic test generation for handling unstructured inputs and outputs, and/or runtime monitoring technologies.

8. Proposal for accelerating knowledge infrastructure with generative AI and large-scale language models

The expectations for generative AI technologies have risen significantly, thanks to the widespread adoption of machine learning in image generation and dialogue systems. In particular, the advancements of Large-scale Language Models (LLMs) have delivered significant breakthroughs in natural language processing, such as natural language text generation and understanding of semantic meaning of text, addressing unresolved issues, and discovering interrelated knowledge beyond human cognitive limits. This theme aims to solicit innovative research topics related to generative AI and LLMs. For instance, we are interested in proposals that focus on learning algorithms that balance computational efficiency with model quality, domain-adaptive LLMs to enhance inference performance in specific expert domains, multilingual and multimodal capabilities, which may include models designed for indigenous languages, and/or exploration of practical applications of these technologies in real-world

scenarios. Moreover, we welcome challenging research topics that contribute to the creation of knowledge infrastructure, such as advancing the generalization capabilities of generative AI, elucidating mathematical principles underlying creativity, understanding and mitigating biases, hallucinations, and other phenomena associated with the construction of knowledge infrastructure.

9. Proposals for technologies related to synthetic media for realizing a human-centered AI society

AI is becoming increasingly capable of learning human-derived information such as facial features, voices, body movements, and natural language, to generate synthetic media that is indistinguishable from real content. Synthetic media is expected to be utilized across various fields, including communication and entertainment, and there is growing interest in developing high-quality synthetic media generation technologies. However, synthetic media also presents significant risks, as pranksters and malicious actors could create and distribute fake media, such as deepfake videos, fake audio, and fabricated documents, for purposes like fraud, manipulation, or public opinion control, raising serious social concerns. We are seeking proposals related to new technologies and approaches for generating synthetic media across various modalities such as faces, voices, bodies, and natural language, detecting fake media created for malicious purposes, and ensuring media reliability, to foster a human-centered AI society.

10. Proposals for communication support technologies for enabling diverse work styles

The COVID-19 pandemic has accelerated the diversification of work styles, with many people now working from various locations, including offices, homes, and rental spaces. Consequently, collaborative environments are shifting beyond traditional physical offices to new spaces that integrate both virtual and physical elements. Ensuring effective human communication in these contexts is a critical challenge for maintaining and nurturing collaborative spaces that promote creativity and engagement. We are seeking proposals for communication support technologies for these evolving environments. Examples of proposals include communication technologies that preserve a natural sense of presence and ambiance across diverse communication settings, interaction technologies that seamlessly connect physical and virtual spaces, and methods for evaluating these innovations, encompassing a wide range of topics in informatics and information technology.

11. Proposals for technologies and methods for promoting digital innovation in education and research

Japan is currently facing challenges such as declining birth rates, an aging population, and a shrinking working-age demographic, while the quality of education and research is experiencing a relative decline compared to other countries. To address these issues, we invite proposals for technologies and methods that drive digital innovation in education and research. We are seeking a wide range of proposals, including technologies to improve the quality of remote and online education, technologies for the remote and smart transformation of research, and innovative strategies that leverage learning data to facilitate educational support, as well as practical research and methodologies based on fresh ideas.

Guidelines for Filling in the “National Institute of Informatics Open Collaborative Research 2025 - Application Form (Form 1)”

Complete the Form in black text using an appropriate font size. Be sure to delete any example texts or instructions in gray.

Make sure to delete these guideline pages when submitting the form.

Submission should be made via JROIS, by uploading files in word format:

JROIS: <https://jrois2.rois.ac.jp/>

[1. Applicant (Principal Investigator)]

Name of Institute and Affiliation, etc.: Fill in the name of the affiliated institute, school, and/or department.

Age: Fill in the age as of April 1, 2025.

[2. Research Topic]

Category: Mark the box and indicate the desired category.

*For ‘Strategic’, choose the research theme from ‘List of Strategic Research Themes (Appendix 2),’ and fill in the number and the name of the research theme.

Research Title: Fill in the title of the research in about 50 characters.

International Collaborative Research: See 9. in the next page, and mark the box if applicable.

*We highly recommend collaborative research whose members include researchers from overseas research institutions in order to promote international cooperations.

[3. Approval from Institution]

*Principal investigator must obtain approval from the representative of the affiliated institute in advance.

*If the requirement above is difficult, this can be substituted with the approval from the head of department, etc.

A confirmation letter, however, may be required at a later day, as a proof of the fact that the institution representative agrees to the implementation of this collaborative research project, if it is a case.

[4. Terms of the Application]

Make sure to agree with the terms in items 1 to 5 prior to the application.

If you agree with all of the terms, mark the box.

*The applicant (Principal investigator) should ensure that all the research members adhere to the terms in this section.

As for the item 4 and 5, overseas researchers are required to thoroughly review the English version or engage with relevant lectures as much as possible.

[5. Details of the Research Topic]

Describe the details of the research project/meeting in each field with specific and concrete information as requested .

*Resize the entry fields as appropriate.

*Make sure to elaborate the details of the research topic so that the judges can fully understand, or the application may be rejected.

[6. Acceptance History/Application History for Grants]

(1) Acceptance History:

Fill in the information if there are any related research proposals to this application, that were accepted in NII Open Collaborative Research program in the past 5 years.

If applicable, it is necessary to fill in the information of the research proposals stated in [5. Details of the research topic] (4) and (5).

(2) Application History for Grants:

The information is to be filled in if there are any application histories for internal grant of the affiliated institute and/or for competitive research funding based on the results of the research topics accepted in NII Open Collaborative Research program in the past five years.

*Entry fields can be added as appropriate if there are multiple acceptance histories.

*Number the histories starting from 1 with the newest.

[7. Research Results of the Applicant (Principal Investigator)]

*Entry fields can be added as appropriate.

(1) Publications:

List up to five major papers published in the past five years, that are relevant to this application

*Number the items starting from 1 with the newest.

***Mark the name of the first author, including co-first authors, with an asterisk '**' in front.**

*State the **publication year** as well as the volume and issue number. In addition, state DOI and/or URL for electronic journals or page numbers of articles for print journals.

*There's no need to send hard copies.

(2) Presentations at Academic Events:

List up to five major presentations at academic events, that are relevant to this application

*Number the items starting from 1 with the newest.

*Indicate URL when there are details of the presentations released online.

(3) Related Experiences:

State the details of the experiences in related research activities if there is no publications or presentations.

[8. Collaborative Research Funding]

Provide a detailed breakdown of the planned use of expenses by categorizing them according to the expense categories listed in the table.

*Read carefully the expense categories and notes in '10. Collaborative Research Funding' in the Application Guidelines.

*The budget execution may not be allowed as a research expenses if there is a significant discrepancy between the proposed plan and the actual budget execution status.

[9. Contact Person and Collaborative Researchers]

Contact Person:

***It is mandatory to have an advance agreement with a contact person** for implementing a collaborative research project and to have this agreement documented, such as through email. If it is discovered that such an agreement was not obtained, the acceptance may be revoked.

Collaborative Researcher:

Fill in the information about all the participants including collaborative researchers at NII, researchers as well as graduate students at universities and/or corporations in the field of collaborative researcher.

*If one of the collaborative researchers is also designated as a contact person, make sure to list both tables for contact person and for collaborative researcher.

*Entry fields can be added as appropriate.

Email Address: It must be filled in because email correspondence is the main communication method from NII in principle.

Phone Number: This is also required as the alternative communication method.

Overseas: Mark the boxes for collaborative researchers affiliated with overseas institutes and fill in the name of the country/region where the institute is located.

*If applicable, make sure to mark 'International Collaborative Research' in '2. Research topic'.

*Undergraduate students of universities and bachelor and associate degrees of technical colleges are not eligible.

*Before listing names as collaborative researchers, make sure that they have obtained approval from their affiliated institutes for their participation in the research project and for the publication of the project in the annual report of NII.

By providing the information, it will be considered as consent. This applies equally to the applicant (principal investigator)

[10. Survey]

We appreciate your cooperation in this survey. Please be assured that your responses will have no impact on the review. Your feedback is valuable for our future improvements and will be used for internal purposes only.

- Ends -

National Institute of Informatics Open Collaborative Research 2025 - Application Form

Year/Month/Date

To Director General, National Institute of Informatics

Inter-University Research Institute Corporation Research Organization of Information and Systems

[1. Applicant (Principal Investigator)]

Address of the Institute	〒○○○-○○○ ○○ prefecture ○○ city ...		
Name of Institute and Affiliation, etc.	○○ University, Faculty of ○○, Department of ○○		
Job title	Professor/Associate professor/Assistant professor/Research fellow/...		
(Name in Katakana)	(○○○ ○○○)	Gender	Male <input type="checkbox"/> Female <input type="checkbox"/>
Name	○○○ ○○○	Age	XX as of April 1, 2025
TEL	○○-○○○-○○○		
E-mail	xxxxx@xxxxxxxxx		

[2. Research Topic]

Category	<input type="checkbox"/> Strategic <input type="checkbox"/> Meeting <input type="checkbox"/> Free *Mark one of the boxes. For 'Strategic', also fill in the fields below.	
(Fill in when choosing 'Strategic')	Theme number	Theme name
	<u>Strategic research theme number</u>	<u>Strategic research theme name</u>
Research Title		
Keyword	Fill in one or more keywords, up to a maximum of five, that accurately describe the research topic.	
International Collaborative Research	<input type="checkbox"/> *Click the box when having members that belong to overseas institutes. See '9. Collaborating researchers' for details.)	

[3. Approval from Institution]

Here I approve the application for collaborative research to National Institute of Informatics as described above. Name of Institute ○○ University Job Title/Name Dean ○○ ○○
--

This can be substituted with the approval by the head of department who is not authorized as the institution representative.

A confirmation letter, however, may be required in a later day, as a proof of the fact that the institution representative agrees to the implementation of this collaborative research project.

[4. Terms of the Application]

1. Ensure to handle properly the information, especially personal information and confidential information, and manage in accordance with relevant laws and regulations with proper responsibility on one's part.
2. In addition to the above, comply with relevant regulations and take necessary measures as required in societal standards conducting the research activities.
3. Recognize and fully acknowledge that academic research is entrusted by the public and this cooperative research grant is funded by valuable taxes on the assumption of "Guidelines for the Management and Auditing of Public Research Funds at Research Institutions (performance criteria), adopted February 15th, 2007 by MEXT, revised February 1st, 2021. "

As well as ensure to execute grants properly and efficiently and undertake to refrain from any misconduct in research activities.

4. Ensure the following prior to the commencement of this research project:
 - i. Thoroughly review the educational materials on research ethics designated by MEXT, titled 'For the Sound Development of Science - The Attitude of a Conscientious Scientist.'(*1)
 - ii. Engage with the 'Education for Research Ethics and Integrity APRIN e-Learning Program (eAPRIN)' provided by the Association for the Promotion of Research Integrity (*2) ,
OR review the 'Guidelines for Responding to Misconduct in Research,' adopted by MEXT on August 26th, 2014, and participate in the research ethics education program provided by the affiliated institute.
 - iii. Obtain approval for the research plan and its implementation from the research ethics committee or an equivalent body at the affiliated institute, if necessary.

(*1) <https://www.jsps.go.jp/english/e-kousei/ethics.html>

(*2) <https://edu.aprin.or.jp/>

5. Prior to the commencement of this research project, ensure to engage with the training on security export control conducted by the affiliated institute OR receive 'e-Learning Program for University and Research Institution Faculty and Staff' on security export control(*3) , and comply with relevant laws and regulations.

(*3) <https://www.meti.go.jp/policy/anpo/daigaku/el/elindex.html>

(If you agree with the above terms, mark the box.) I agree with the above terms.

[5. Details of the Research Topic] You can make the answer boxes bigger as needed.

(1) Summary of Research/Meeting

Summarize the research/meeting in 500 characters.

(2) Goals of Research/Meeting

Adding images is acceptable as appropriate.

(3) Methods and Content of Research/Meeting

Adding images is acceptable as appropriate.
For 'Meeting,' make sure to mention how you hope to link this research to informatics.

(4) Novelty and Originality of Research/Meeting

Make sure to clarify the difference, if there are any related research proposals that were accepted in NII Open Collaborative Research program before, to this application.
For 'Meeting,' note that NII Open Collaborative Research program accepts the applications on novel research theme ONLY in principle.

(5) Linking with the Research Proposal Accepted in the Previous Year (if applicable)

Fill in this field if the application was accepted in the National Institute of Informatics Open Collaborative Research in the previous year and the topic is related to the application this year.

(6) Expected Effects of the Research/Meeting and Future Prospects after Acceptance

[6. Acceptance History/ Application History for Grants]

(1) Acceptance History in NII Open Collaborative Research program:

Item Number			
Fiscal Year of the Application	20**		
Open Category (Fill in one of the boxes "■")	<input type="checkbox"/> Strategic	<input type="checkbox"/> Meeting	<input type="checkbox"/> Free
Name of the Topic			

(2) Application History for Grants

Item Number	
Fiscal Year of the Application	
Name of Competitive Research Funding	<u>e.g.: Grant-in-Aid for Scientific Research (A/B/C).</u>
Status (Fill in one of the boxes "■")	<input type="checkbox"/> Planned Submission <input type="checkbox"/> Application in Process <input type="checkbox"/> Accepted <input type="checkbox"/> Rejected
Name of the Applicant	<u>Fill in the name of the person who applied for the competitive research funding.</u>
Participation Role	<u>Indicate the participation role of the applicant for this NII Open Collaborative Research program, such as principal investigator, co-investigator, or collaborative researcher.</u>
Name of the Research topic	<u>Provide as much information as possible.</u>
Other information	<u>Provide as much information as possible.</u>

[7. Research Results of the Applicant (Principal Investigator)]

(1) Publications

Item Number		Peer Review Status (Mark the box)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Title of the Paper				
Name of the Author and/or Coauthor				
Journal Name				
Publication Year, Volume Number, Issue Number		<u>For an electronic journal, indicate the DOI or URL.</u>		
Institutional Repository		Publication Status (Mark the box)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Publication Details		<u>If yes, indicate DOI/URL.</u>		

(2) Presentations at Academic Events

Item Number		Peer Review Status (Mark the box)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Name of the Main Presenter				
Name of the Joint Presenter				
Title of the Presentation				
Name of the Event				
Name of the Organizer				
Event Date and Location		<u>Fill in the name of the country/region/state of the venue</u>		
Web information such as Presentation Slides		Availability on the Web (Mark the box)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<u>If yes, indicate DOI/URL.</u>		

(3) Related Experiences:

--

[8. Collaborative Research Expenses]

For registration fee for the academic events, record them in 'Expenses related to participation of academic events.'

Breakdown

Category	Details	No. of items	Amount	Remarks
Travel Expenses				
Expenses Related to Participation of Academic Events.	<u>N/A for 'Meeting'</u>			
Journal Submission and Posting Fees, etc.	<u>N/A for 'Meeting'</u>			
Other Expenses				
Total	Annual Budget Limit: 'Strategy' ...1.5 million JPY 'Meeting' ...0.8 million JPY 'Free' ...1 million JPY			

[9. Contact Person and Collaborative Researchers]

(1) Contact Person *Appoint a faculty at NII

Name				
Affiliation	<input type="checkbox"/> Principles of Informatics Research Division	<input type="checkbox"/> Information Systems Architecture Science Research Division	<input type="checkbox"/> Digital Content and Media Sciences Research Division	<input type="checkbox"/> Information and Society Research Division
Job Title	Professor Associate Professor Assistant Professor			
I hereby confirm that the contact person agreed to implement this collaborative research project.		<input type="checkbox"/>		

(2) Collaborative Researchers *Include contact person if also works as a collaborative researcher.

(Name in Katakana) Name	Institutional Affiliation / Job title			Age (As of April 1, 2025)	Gender	TEL・E-mail	
	Institutional Affiliation	Job Title	Overseas			TEL	E-mail
(□□□□ □□) □□□□ □□	○○ University ○○ School ...	Professor	<input type="checkbox"/> (Country/region)	XX	<input type="checkbox"/> Male <input type="checkbox"/> Female	TEL	XX-XXXX-XXXX
(▲▲ ▲▲) ▲▲ ▲▲	▲▲ Company ▲▲ Division	Researcher	<input type="checkbox"/> (Country/region)	XX	<input type="checkbox"/> Male <input type="checkbox"/> Female	E-mail	XXXXX@XXXXXXXXXX
(○○ ○○) ○○ ○○	○○ Research Lab ○○ Division	○○ Researcher	<input type="checkbox"/> (Country/region)	XX	<input type="checkbox"/> Male <input type="checkbox"/> Female	TEL	XX-XXXX-XXXX
						E-mail	XXXXX@XXXXXXXXXX

[10. Survey]

1. How did you know about this call of NII Open Collaborative Research program?

(Mark the appropriate boxes.)

A. The official website of the National Institute of Informatics

B. The email magazine of the National Institute of Informatics

C. Social media such as X/Facebook

*Not limited to the official account of the National Institute of Informatics

D. Posters/ads at the affiliated institute and/or portal site

E. PR magazines/Websites of academic society [

(Please specify the name of society)

F. Websites for research funding open calls

G. Introduction by faculty of the National Institute of Informatics

H. Introduction by supervisors, colleagues, and/or acquaintance, etc.

I. Other (Please specify) [

2. If you have any comments or feedback about this call, please feel free to share them below:

[

<DRAFT>

Guidelines for Filling in the “2025 NII Open Collaborative Research Results Report (Form 2)”

Complete the Form in black text using an appropriate font size. Be sure to delete any example texts or instructions in gray.

Make sure to delete these guideline pages when submitting the form.

Submission should be made via JROIS, by uploading files in word format:

JROIS: <https://jrois2.rois.ac.jp/>

[1. Basic Information] *Mandatory

Fill in the information at the end of the research period, as of March 31, 2026.

(1) **Category:** Mark the right category of the research project and delete the others.

(2) **Topic Number:** Indicate the topic number announced in the acceptance notification.

(3) **Applicant (principal investigator) -Institutional Affiliation:**

Fill in the name of the affiliated institute and the affiliated school and/or department.

(5) **Collaborative Researchers:**

Fill in the information about all the participants, including researchers and graduate students at universities or corporations, as well as collaborative researchers at NII,

*If one of the collaborative researchers is also designated as a contact person, make sure to list both tables for contact person and for collaborative researcher.

*Undergraduate students of universities and bachelor and associate degrees of technical colleges are not eligible.

*Entry fields can be added as appropriate.

[2. Research/Meeting Results]

(1) **Summary** *Mandatory

Provide a plain language summary of the research results within around 500 characters.

*The provided information will become publicly available, such as in the annual report of NII and other publications, and may also be used in response to inquiries.

(2) **Details** *Mandatory

Fill in concrete details of the research results.

*Tables and images can be added.

*This item must be filled in even when reference materials are attached to Form 2.

*When attaching reference materials, use a file name that obviously indicates it's related to this section.

(3) **Cooperation Status**

Fill in the details of the research meetings and research seminars, including date and time, venue, participants, and context.

*This can be substituted with progress reports prepared after the implementation.

For the following Section #3 to #5:

The follow-up survey for these sections is planned around September and October in 2026.

Number the items starting from 1 with the newest.

Entry fields can be added as appropriate.

[3. Application Status] *Mandatory

Fill in the status of the applications for internal grant of the affiliated institute of the applicants' or collaborative researchers' and for competitive research funding based on the results of the research project in NII Open Collaborative Research program this time.

All applications regardless of their status should be included, such as those that are planned and those that already have results including rejections.

If an application has been submitted for the next call of the NII Open Collaborative Research program, it should also be included.

Participation Role: Specify the role the applicant (principal investigator) held in the stated research project, such as principal investigator, co-investigator, or collaborative researcher.

* "Applicant (principal investigator)" here refers to the one for this NII Open Collaborative Research program.

Other Information: Provide as much information as possible.

[4. Publications, Presentations, Awards]

Fill in the information as requested in each table.

*Publications include conference preprints and reports.

Names of the Author and/or Coauthor:

Mark the name of the first author, including co-first authors, with an asterisk '*' in front.

Publication Year, Volume/Issue Number, Pages:

In addition to the publication year and volume/issue number, state DOI and/or URL for electronic journals.

For print journals, indicate page numbers of articles.

[5. Industrial Property Rights, Proof-of-Concept Experiments, Events]

Fill in the details as requested in each table, if any.

[6. Other Achievements]

Fill in the details, if there are any other achievements that do not correspond to the items above.

[7. Future Prospects] *Mandatory

Describe the future prospects regardless of whether the collaborative research continues or not this time.

*If there's no application stated in section "3. Application Status," ensure to describe in detail how you plan to build on the research outcomes and outline the future steps.

- End -

2025 National Institute of Informatics Open Collaborative Research Results Report (Draft)

_____ Year/Month/Date

To Director General,
National Institute of Informatics
Research Organization of Information and Systems
Inter-University Research Institute Corporation

[1. Basic information] as of March 31st, 2026 *Mandatory

(1) Category : Strategy, Meeting, Free

(2) Topic Number : []

(3) Applicant (principal investigator)

Name	○○ ○○
Affiliation	○○ University, Faculty of ○○, Department of ○○
Job title	Professor/Associate Professor/Assistant Professor/Researcher/...

(4) Contact Person at NII

Name	○○ ○○			
Affiliation <small>(Fill in (■) one option)</small>	<input type="checkbox"/> Principles of Informatics Research Division	<input type="checkbox"/> Information Systems Architecture Science Research Division	<input type="checkbox"/> Digital Content and Media Sciences Research Division	<input type="checkbox"/> Information and Society Research Division
Job title	Professor Associate Professor Assistant Professor			

(5) Collaborating researchers

(Name in Katakana) Name	Institutional Affiliation/Job Title	
(□□□□ □□) □□□□ □□	Institutional Affiliation	□□ University □□ Department
	Job Title	Professor
(▲▲ ▲▲) ▲▲ ▲▲	Institutional Affiliation	▲▲ Company ▲▲ Division
	Job Title	Researcher
(○○ ○○) ○○ ○○	Institutional Affiliation	○○ Research Laboratory ○○ Division
	Job Title	○○ Researcher
(○○ ○○) ○○ ○○	Institutional Affiliation	○○ University ○○ Research Division
	Job Title	Associate Professor
(○○ ○○) ○○ ○○	Institutional Affiliation	○○ Research Laboratory ○○ Research Division
	Job Title	Assistant Professor

[2. Research/Meeting Results]

(1) Summary **Mandatory*

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(2) Details **Mandatory*

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(3) Cooperation Status

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[3. Application Status] **Mandatory*

Item Number	
Year	<u>2025/2026</u>
Competitive research fund name	<u>Example: Grants-in-Aid for Scientific Research (A/B/C)</u>
Status (Fill in (■) one option)	<input type="checkbox"/> Planned application <input type="checkbox"/> Application in progress <input type="checkbox"/> Granted <input type="checkbox"/> Rejected
Name of the Applicant	
Participation Role	
Name of the Research Project	
Other information	

[4. Publications, Presentations, Awards]

(1) Thesis publications (including conference preprints and reports)

Item Number		Peer reviewed? (Mark either box)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Title of the Paper				
Names of the Author and/or Coauthor <small>Mark '*' on a first author /co-first authors</small>				
Journal Name				
Publication Year, Volume/Issue Number, Pages		<u>For an electronic journal, indicate DOI/URL</u>		
Institutional Repository Publication Details		Published? (Mark either box)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<u>If yes, indicate DOI/URL</u>		

(2) Conference presentations

Item Number		Peer reviewed? (Mark either box)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Name of the Main Presenter				
Name of the Joint Presenter				
Title of the Presentation				
Name of the Event				
Name of the Organizer				
Event Date and Location		<u>Fill in the name of the country/region/state of the venue</u>		
Web information such as Presentation Slides		Availability on the Web (Mark either box)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<u>If yes, indicate DOI/URL.</u>		

(3) Awards and other

Item Number		Title	
Details of the Achievement			

[5. Industrial Property Rights, Proof-of-Concept Experiments, Events]

(1) Industrial Property Rights (such as patents)

Item Number			
Application/Registration (Mark either box)	<input type="checkbox"/> Application	<input type="checkbox"/> Registration	
Name of the Inventor			
Name of Patent Holder			
Types of the Rights			
Patent Number			
Date of Application/Registration			
Domestic/International (Mark either box)	<input type="checkbox"/> Domestic		
	<input type="checkbox"/> International	Name of the Country:	

(2) Proof-of-Concept Experiments, Events etc.

Item Number	
Date	
Title	
Details/results	
Location	

[6. Other Achievements]

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[7. Future Prospects] *Mandatory

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To Director General,
National Institute of Informatics,
Research Organization of Information and Systems,
Inter-University Research Institute Corporation

Applicant (principal investigator)

Date Year/Month/Date

Affiliation

Job title

Name

Application for Adding/Removing Collaborative Researchers

Please accept this application to declare the following changes to the NII open collaborative research.

1.	Request (Mark either box)	<input type="checkbox"/> Addition	<input type="checkbox"/> Removal
2.	Topic Number		
3.	Research Title		
4.	Collaborative Researcher ※1	Name	
		Age	
		Gender (Mark either box)	<input type="checkbox"/> Male <input type="checkbox"/> Female
		Institutional Affiliation	e.g. : ○○University, Department of ○○ ...
	Job Title		
5.	Effective Date ※2	Year / Month / Date	

- End -

*Submit to kyoudou@nii.ac.jp by email.

*Submit this form per person when changes arise for multiple members.

※1 The requirements for collaborative researchers are as follows. (Excerpt from application guidelines)

- ① Researchers affiliated with domestic or international universities, junior colleges, technical colleges, or inter-university research institutes, or any other equivalent researchers and graduate students.
- ② Researchers affiliated with domestic private sector companies.

※2 Effective date must be on or after the date when this form is submitted.

To Director General,
National Institute of Informatics,
Research Organization of Information and Systems,
Inter-University Research Institute Corporation

Applicant (principal investigator)

Date Year / Month / Date

Affiliation

Job title

Name

Application for Changing Affiliation and Job Title of the Researchers

Please accept this application to make the following changes to the NII open collaborative research program.

1.	Person to Change Mark either box	<input type="checkbox"/> Applicant (principal investigator)		<input type="checkbox"/> Collaborative Researcher	
2.	Topic Number				
3.	Research Title				
4.	Details of Person to Change	Name			
		Before the Changes	Institution and Affiliation	e.g. ○○University, Department of ○○ ...	
			Job Title		
		After the Changes	Institution and Affiliation	e.g. ○○University, Department of ○○ ...	
Job Title					
5.	Date of Change ※	Year / Month / Date			

- End -

*Submit to kyoudou@nii.ac.jp by email.

*Fill in and Submit this form per person when making changes for multiple people.

※ Fill in the date when the personnel change occurred.

Appendix 3

Overall flow



