Access

Universal Communication Research Institute
Advanced Speech Translation Research and Development Promotion Center

Keihanna Science City

3-5, Hikaridai, Seika-cho, Soraku-gun, Kyoto, 619-0289 Japan
TEL : 0774-98-6300 FAX : 0774-98-6955

Access by Train

At Hosono Stn. (H20) on the JR Gakken-Toshi Line, or Shin-Hosono Stn.(B21) on the Kintetsu Kyoto Line,

- Take Nara-Kotsu Bus #36 for "Hikaridai Loop Line", #46 for "Hikaridai Sanchome", or #56 bound for "Gakken Nara Tomigaoka Stn." and get off at "Hikaridai Sanchome" stop. The bus ride will take about 15 minutes, and the building is across the road from the bus stop. Alternatively, get off the #58 or #59 bus at “Keihanna Plaza” and walk for six minutes.

At Gakken Nara Tomigaoka Stn.(C30) on the Kintetsu Keihanna Line,

- Take Nara-Kotsu Bus #56 bound for "Hosono Stn." and get off at "Hikaridai Yonchome" (bus stops in front of the building), or take #59 bound for "Hosono Stn." and get off at "Keihanna Plaza" and walk for six minutes. Either bus ride will take about 15 minutes.

Access by Car

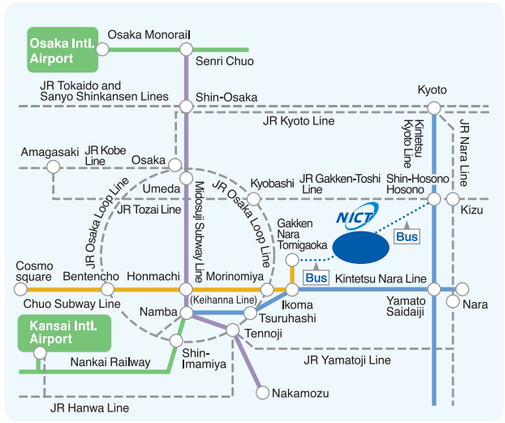
From Osaka Hanshin Expressway #13, Higashi-Osaka Route → Daini Hanna Road(E92) → Nakamachi Ramp → via Gakuenmae → via Tomigaoka

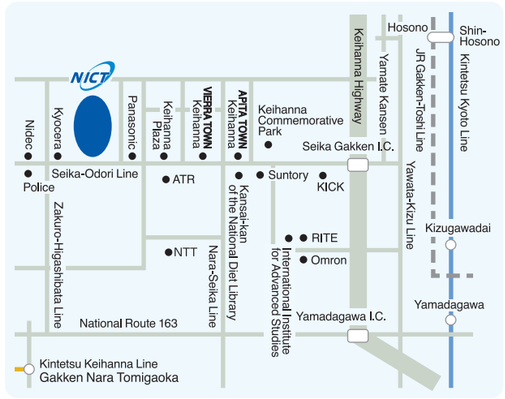
From Kyoto Hanshin Expressway #8,Kyoto Route → Daini Keihan Road(E89) → Shin-Meishin Expressway(E1A)→ Keinawa Highway(E24)→ Seika-Gakken I.C. → Seika-Odori Road

From Nara Narayama-Odori Road → Nara-Seika Line

Access by Highway Bus

There are buses traveling directly to Keihanna Plaza from Kansai International Airport and Kyoto Station Hachijo Exit (trial basis).





NICT Headquarters

Access by Train

From JR Kokubunji Station *All buses take about 10 minutes.

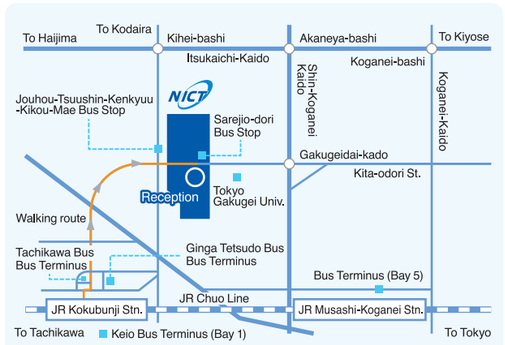
- Tachikawa Bus (North Exit)
  Get off at “Jouhou-Tsuushin-Kenkyuu-Kikou-Mae.” 2-minute walk from bus stop.
- Ginga Tetsudo Bus (North Exit)
  Bound for Kodaira Stn. South Exit. Get off at “Sarejio-douri.” Bus stops in front of NICT.
- Keio Bus (South Exit) Bay 1
  Bound for Kodaira Danchi. Get off at “Jouhou-Tsuushin-Kenkyuu-Kikou-Mae.” 2-minute walk from bus stop.

From JR Musashi-Koganei Stn.

- Keio Bus (North Exit) Bay 5
  Bound for Kodaira Danchi. Get off at “Jouhou-Tsuushin-Kenkyuu-Kikou-Mae” (approx. 15 minutes). 2-minute walk from bus stop.

From Kodaira Stn. On Seibu Shinjuku Line

- Ginga Tetsudo Bus (South Exit)
  Bound for Kokubunji Station Entrance. Get off at “Sarejio-douri” (approx. 15 minutes). Bus stops in front of NICT.



National Institute of Information and Communications Technology

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Universal Communication Research Institute
National Institute of Information and Communications Technology (NICT), National Research and Development Agency

http://ucri.nict.go.jp/

From Data and Information
To Knowledge and Wisdom

Message from the Director General

As information and communications technology has continued to evolve, we are now entering the age of the Internet of Things（IoT）, in which all things are connected to the Internet. The Internet is already awash with massive volumes of data created by people in the form of webpages, social media, and the like. Now, through IoT technology, in which a diverse range of machines and sensors can be connected to the Internet, we are on the verge of a world in which data that has been generated automatically, without human intervention, will pour onto the Internet in explosive quantities. This diverse range of data includes information that would be extremely useful for learning about society, but finding the information that is truly valuable amidst all of that data is no easy feat.
In its 4th Medium to Long-term Plan, which began in fiscal 2016, the Universal Communication Research Institute is taking the information analysis technology based on the large-scale natural language processing that the Institute researched and developed in the 3rd Medium-Term Plan, and further developing it into technology for the analysis of social knowledge. It is also conducting research and development aimed at evolving information service platforms into new platforms adaptable to IoT. In addition to verification testing on the Internet of the outcomes of this research and development as practical systems, the Institute is also pursuing the social implementation of its outcomes, including the transfer of technology to companies, through the Research Promotion Council of Keihanna Info-Communication Open Laboratory* and the Advanced LanGuage Information Forum（ALAGIN）*.

Dr.Yutaka Kidawara,
Director General

Organization

Universal Communication Research Institute

- Planning Office（Keihanna , HQ）
- Data-driven Intelligent System Research Center（Keihanna）
- Information Services Platform Laboratory（HQ）

***Research Promotion Council of Keihanna Info-Communication Open Laboratory**

The purpose of this Council is to use the Keihanna Info-Communication Open Laboratory and to build effective collaborations in relevant fields with government, industry, and academia, including universities, communications carriers, broadcasters, manufacturers, research institutes, venture companies, and regional municipalities, to create new info-communication related services and industries originating in the Kansai area, and at the same time contribute to human resource development.

http://www.khn-openlab.jp/

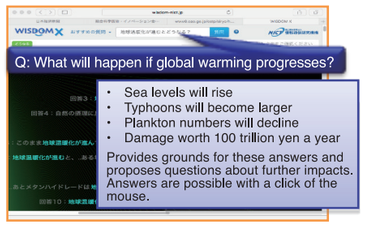
***Advanced LanGuage Information Forum（ALAGIN）**

The goal of this Forum is the deployment and dissemination, as well as the further advancement of research and development, of “super communication technologies” that will realize communication that eliminates a sense of the “barriers” of language. It targets technologies that will overcome language barriers, which separates humans from other humans and humans from machines, and the barriers of the quality and quantity of information on the Internet. It will pursue this goal by promoting collaborations with government, industry, and academia.

http://www.khn-openlab.jp/

Data-driven Intelligent System Research Center【 DIRECT 】

In this increasingly complex global society, there are frequent examples in which unforeseen connections between seemingly unrelated information have brought about grave consequences. The Data-driven Intelligent System Research Center（DIRECT）conducts research and development into simple, user-friendly systems for obtaining these kinds of combinations of information, and massive language databases to support such technology. More specifically, DIRECT develops technologies for conducting deep analysis of massive volumes of data on a semantic level, and technologies for discovering valuable combinations of the information thus obtained and hypotheses based on that information. The large-scale Web Information analysis system, WISDOM X, applies the technologies described above to more than 4 billion web pages, to postulate answers and hypotheses to the questions of “what,” “why,” and “what will happen.” The DISAster-information ANAlyzer, DISAANA（a collaboration with the Resilient ICT Research Center）conducts real-time analysis of information related to disasters posted on social networking services. It has actually been used to collect information and ascertain the situation during large-scale disasters.

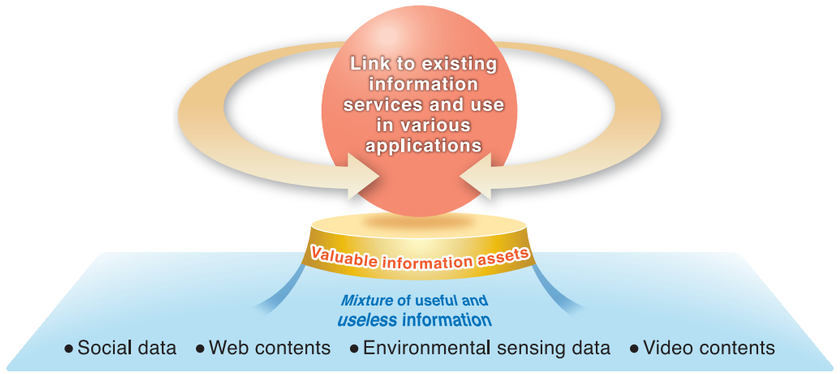


WISDOM X
http://wisdom-nict.jp/

DISAANA
http://disaana.jp/

Information Services Platform Laboratory

The Information Services Platform Laboratory conducts research and development of data collection and analysis technologies to appropriately collect and analyze real-space information connected closely to social life, such as torrential rains and environmental change, and to provide a platform for the use of information that is effective in social life. It also conducts research and development of data mining technologies that, through the cross-domain integration and correlation analysis of environmental data with a variety of social data, can analyze as model cases the concrete impacts on and relevance to transport and other social systems. Further, through the research and development of methods for feeding back the results of such analysis into sensors and devices, as a mechanism for making use of those results in real space, and of the state of effective sensor technology, the Laboratory is developing and trialing systems with the aim of creating basic technologies to realize systems for advanced situation awareness and behavior support, with the goals of optimizing and improving efficiency of social systems.



【 Real-space Information Analysis 】