Q. Could you illustrate the innovative and pioneering nature of NAIST?

A. “Original and Unique Devices Created by OUR own hands”

Professor Yukiharu Unabe, Information Device Science Lab

Human society has benefited from advances in electronics engineering technology. Our laboratory focuses on development of information processing components that can be applied to a wide range of electronic, electrical, computer displays, LSI chips, memories, sensors, power control devices, and solar batteries. Our lab is equipped with a clean room to fabricate the semiconductor devices that edge related to new product design, prototyping, and its implementation by researchers in Physics, Chemistry, and Engineering. Shira, Sore, and other global consumer-electronics companies collaborate with our researchers.

Our lab has its own clean room and other high-tech manufacturing facilities, providing a sophisticated research environment. Informal discussions and the exchange of information frequently occur between students and staff and between projects, leading to spontaneous collaboration and integration of different research fields, which students will enjoy exploring. Our lab provides hands-on experience in cutting-edge development by creating alternative energy technologies and new energy-saving products. We hope this will encourage you to do your best to maximize your learning experience and expand your future potential as a researcher.

Dr. Unabe’s Lab

Q. What features of NAIST are appealing to you?

A. “It provides a home for scientists who are passionate about investigating nature.”

Professor Takata-Hashimoto, Part Cell Function Lab

Climbing plants like the Japanese morning glory exhibit helical growth with fixed handedness. We seek to clarify the origins of left-right asymmetry on the molecular, cellular, and organ levels. In vitro and in vivo cell culturing problems can be solved by establishing and confirming the helical growth in vitro and in vivo. In particular, we have identified and confirmed the helical growth in vitro and in vivo.

We characterized the helical growth in vitro and in vivo. Experimental conditions for establishing helical growth in vitro and in vivo were established, and a reproducible helical growth was confirmed. We have now developed a helical growth in vitro and in vivo model for investigating the molecular and cellular mechanisms underlying left-right asymmetry.

Dr. Hashimoto’s Lab

Q. How will you describe your experience at NAIST?

A. “NAIST provides a well-funded and flexible research environment.”

Associate Professor Dr. Christian Sandor, Co-Director Interactive Media Design Lab

Our laboratory, which I am co-directing with Professor Hinkows Kato, is one of the world’s leading laboratories for the development of Augmented Reality (AR). Prof. Kato developed AR-nets, a widely used software for creating AR applications. I support research projects to create AR experiences in which the virtual content can no longer be distinguished from reality. The main goal for me is to apply AR technology to a variety of purposes, including medical training, engineering education, and entertainment.

Message from Dr. Sandor

Q. What is the hallmark of NAIST?

A. “The hallmark of NAIST is the willingness to chart new paths.”

Professor Yoji Matsumoto, Computational Linguistics Lab

The members of our research laboratory have been working across computer processing of English and Japanese languages in English and Japanese using large volumes of web data. We have developed various language analysis tools. Some of these tools are available for free on our website. We have developed an AR-Echo keynote that encourages people to create AR experiences in which the virtual content can no longer be distinguished from reality.

Dr. Matsumoto’s Lab

Q. How would you describe your experience at NAIST?

A. “NAIST offers unique benefits for international students, including preferential access to on-campus accommodations, various financial and language-learning support, and grading policies in which lack of Japanese-language proficiency is not a barrier to academic performance. Our lush, green campus is a great place to devote yourself to research activities. Applications from highly motivated and creative students are welcomed.”

Dr. Roshima’s Lab

Visit our website from the online Harvard Crimson

Watch our video

Hold your smart phone over this photo

- Scan the QR code with a free app for your smartphone.
- Download the AR-App for free from the iPhone “App Store” or on the Android™ “Google Play” (“Play Store”).
- Hold your phone flat over the arial image on the target image to be scanned.

Visit the NAIST application for a complete AR experience.

The door is Open for You

Founded in 1993 as a national university consisting solely of graduate schools, NAIST seeks to fulfill a vision of a new kind of research and education institute by exploring unthought paths and making history. "Many researchers and students who developed groundbreaking ideas in NAIST, such as Professor Hidetoshi Unabe, have motivated students to explore fundamental problems in science and engineering.

Dr. Unabe's Lab

To learn more about NAIST, visit Nara Institute of Science and Technology, NAIST at http://www.naist.jp

Dr. Unabe’s Lab

For a list of downloadable linguistic analysis tools, visit http://www.naist.jp/Research/Linguistics/