

OPACK Mail

Organization for Promotion Academic City by Kyushu University

<http://www.opack.jp/>

New Year's Greeting

Organization for Promotion on Academic City by Kyushu University President /Tomokazu Odahara

It is a great pleasure for me to be able to send all of you New Year's Greetings. I do this in part to thank you all for the kind support you gave us in promoting the Kyushu University Academic City Plan.

In April 2012, the Ito Guest House was opened at the Kyushu University Ito Campus. This building now offers new accommodations for researchers who come to the Ito Campus from both, inside and outside Japan. In the following month, "Hyakunen Matsuri Festival" (Kyushu University's centennial Festival) was held to commemorate the 100th anniversary of its establishment. The festival was very popular and attracted a large number of visitors. It was a good opportunity to let visitors to directly feel development of Kyushu University Academic City.



This year, additional developments are planned at the Ito Campus. Aside from the opening of International Institute for Carbon-Neutral Energy research, (I2CNER) and Next-Generation Fuel Cell Research Center (NEXT-FC), construction work on the 3000 seating capacity Shiiki Auditorium is to be completed in February 2014. In the meantime, development projects including science-related facilities are also planned to start operation in time for the beginning of the 2nd Semester (Fall), 2015.

In Motoooka district, an area near the Ito Campus, "The 2nd Fukuoka Industry-Academia Symphonicity(2FiaS)" (temporary name) and Fukuoka i3 Center for Organic Photonics and Electronics Research, (i3 OPERA) are scheduled to be inaugurated. As ILC promotion in neighboring Sefuri area is likely to be more intensified this year, all this progress not only demonstrates the huge potential of Academic City, but also indicates that the development of the City as a location for R&D institutions and businesses has now become full-fledged. There has been growing expectations for the Academic City as a cluster of international academic research where world-renowned researchers will get together.

To further promote the Kyushu University Academic City Plan, which aims to establish a knowledge base, we will redouble our efforts to enhance our collaboration among industry, academia and the government, that with us is strength, and proactively facilitate PR activities, support R&D, networking and business investment in this area.

At Kyushu University Academic City, active progress is being made in developing research institutions (Photos and Image of facilities)



【Left】 Ito Guest House (April 2012 opened)



【Middle】 International Institute for Carbon-Neutral Energy research, (I2CNER)(left building) (November 2012 completed)



Next-Generation Fuel Cell Research Center (NEXT-FC)(right building) (November 2012 completed)

【Right】 Fukuoka i3 Center for Organic Photonics and Electronics Research (i3-OPERA) (Construction begins in March 2013)



Activity Report

The 8th Kyushu University Academic City Seminar in Tokyo and On-site Information Session of Kyushu University Academic City held



Photo: Kyushu University Academic City Seminar

On Friday October 12 2012, OPACK hosted a seminar with the title of “Accelerating pace of formation of an R&D cluster at Kyushu University Academic City” with about 180 people in attendance from corporations and parties involved in industry-academia-government collaboration.

Before the keynote lecture, Professor Katsuhiko Furukawa, Intellectual Property Management Center of Kyushu University, delivered a speech titled “New challenges of industry-academia-government collaboration” in which he spoke about future prospects of such collaboration. A keynote lecture was given by Professor Masahiro Goto, Director of the Kyushu University Center for Future Chemistry. He spoke about cutting-edge research undertaking at Fukuoka Industry-Academia Symphoncity (FiaS) under the title of “Translating advanced research conducting at FiaS into practical application- Its advantages and Expectations”. Another speaker, Professor Chihaya Adachi, Project leader of the Center for Organic Photonics and Electronics Research (OPERA), Kyushu University, talked about “New developments explored by organic EL and toward achieving establishment of a Research cluster”. Both speakers introduced the current status of Academic City, in which a hub of organic EL is rapidly taking shape.



Photo: Keynote lecture by Professor Masahiro Goto

In addition to lectures, as representatives of tenant corporations, Katsuaki Miyaji, Director & Manager-New Business Planning of Nissan Chemical Industries, LTD and Takashi Yasui, Manager of the R&D center, Richo Company explained benefits of collaboration and practical examples based on their experiences. At the same session, officials from Fukuoka City gave a presentation about “The 2nd Fukuoka Industry - Academia Symphoncity”, which began construction last fall while Fukuoka Prefecture introduced an overview of the Green Asia Special Global Strategy Synthesis Area. At the networking session, a poster of Center for Future Chemistry Kyushu University was displayed, everyone was satisfied and enjoyed the seminar.



Photo: Keynote lecture by Professor Chihaya Adachi

In November, 19 (Tue) and 20(Wed) 2012, an information session about sites for business was held with 11 participants from corporations in attendance. Information regarding the facilities was introduced during the seminar. On the first day, we visited the Academic City area centering on the Kyushu University Ito campus. At the interaction session, participants gathered from local municipalities, business circles, and Kyushu university and enjoyed active information exchange. On the second day, they went to Itoshima Research Park, the one of the Fukuoka Prefectural government led development projects, along with other related facilities. During the visit, a presentation was made by OPACK on business environment of Academic City and its advantages. Participants were very pleased with the session as they were able to directly confirm the many advantages that Academic City offers.



Photo: On-site information session

The 53rd Chemical analysis training session held

The 53rd Chemical analysis training session, which OPACK co-hosted with the Japan Society for Analytical Chemistry, took place from August 8 (Wed) to August 10(Fri), 2012 at the Kyushu University Ito Campus and Fukuoka Industry-Academia Symphoncity. For the purpose of fostering human resources in the field of analysis, lectures and training regarding fundamentals and application of gas chromatography, high-performance liquid chromatogra-

phy, and atomic spectrometry, were provided. From corporations and public institutions, 50 people attended.



Photo: Training session

Auto-parts design seminar; this was a 9-day training course

OPACK held the Auto parts design seminar for the general public and corporations. The course was carried out in parts. Duration of the first part was from August 16(Thurs) to 28(Tue) while the second part was held from September 3(Mon) to September 13(Thurs), 2012.

The seminar mainly focused on fostering design technology skills that are particularly lacking in the automobile industry, one of the fields in which

Kyushu University Academic city leads as a knowledge creator. Participants mainly learned about three dimensional CAD (CATIA V5). All of them worked hard to learn this technology and acquire knowledge about skills required to develop next generation automobiles. Through various training, including assembly and disassembly of the engine, a visit to Toyota Motors Kyushu Miyata Plant, and opinion exchange with engineers, they successfully completed the curriculum.



Photo: Auto-parts design seminar

ICEL2012, Fukuoka JAPAN held

In conjunction with ICEL 2012 organizing committee, OPACK held "the 9th International Conference on Electroluminescence & Organic Optoelectronics" at the Luigans hotel, from September 4(Tue) to 6 (Thurs), 2012 in Fukuoka.

Until now, the Organic Light-Emitting Diode (OLED) has been developed in tandem with the advent of new semiconductor materials and the innovation of organic devices. At present, OLEDD is used across a wide area, including full color displays, lightning and others. The conference provided a forum for leading researchers, engineers who engage in Organic EL-related technology, to discuss innovative research, share ideas, and exchange information with each other.



Photo:ICEL2012 in Fukuoka

Participated in Renewable Energy Advanced Technology Exhibition 2012

From November 14 (Wed) until November 16(Fri), 2012 OPACK set up a booth at the Renewable Energy Advanced Technology Exhibition 2012 together with Fukuoka Strategy Conference for Hydrogen Energy, the Research Center for Hydrogen Industrial Use and Storage (HYDROGENIUS), the Kyushu University, International Research Center for Hydrogen Energy, and the Hydrogen Energy Test and Research Center and other related entities.

The panel displayed by OPACK showed the cluster of hydrogen energy research institutions and various research institutions located in Kyushu University Academic City. The advantages of Academic City were also informed through leaflet distribution and individual explanations.



Photo: Exhibition booth

Fukuoka New Technology Creation Symposium held

On November 27(Tue), 2012 OPACK jointly held the Fukuoka New Technology Creation Symposium with Fukuoka City and Kyushu University at Fukuoka Industry-Academia Symphoncity.

At this event, lectures by Professors of Kyushu University detailed significant achievements which have been made through industry-academia collaboration at this facility.



Photo: Symposium venue



Information

Participation in Exhibitions

OPACK will participate in the following exhibitions where a large number of relevant companies, universities and organizations are attending.

We will exhibit panels and other materials. Our staff will also introduce the charms of Kyushu University Academic City, where concentration on research institutions is rapidly progressing. We welcome you to visit our booth!

nano tech 2013

This is the world's largest international synthesis show about nanotechnology. State-of-the-art technology and products from various fields, including nano materials, nano-micro-system technology, and measurement and evaluation areas are showcased.

**Date : January.30 (Wed)-
February.1(Fri), 2013
Venue: Tokyo Big Sight**

FC EXPO 2013

The World's largest trade show featuring all kinds of technology, products, equipment, etc. related to the manufacture and R&D for fuel cells and hydrogen.

**Date : Feburary.27 (Wed)-
March.1(Fri),2013
Venue: Tokyo Big Sight**



Subscribe to our Email Newsletter

OPACK offers e-mail subscriptions which provide a variety of information about events taking place at Kyushu University Academic City, as well as reports on activities carried out by the local government, universities, industry-academia cooperation initiatives and research institutions.

Application form procedure

Newsletter subscription application form can be found at <http://www.opack.jp/>



Information about companies and research institutions located in Kyushu University Academic City

In this part, we will introduce research institutions and corporations based at Kyushu University Academic City

Saibugas Co.,Ltd. R&D Institute



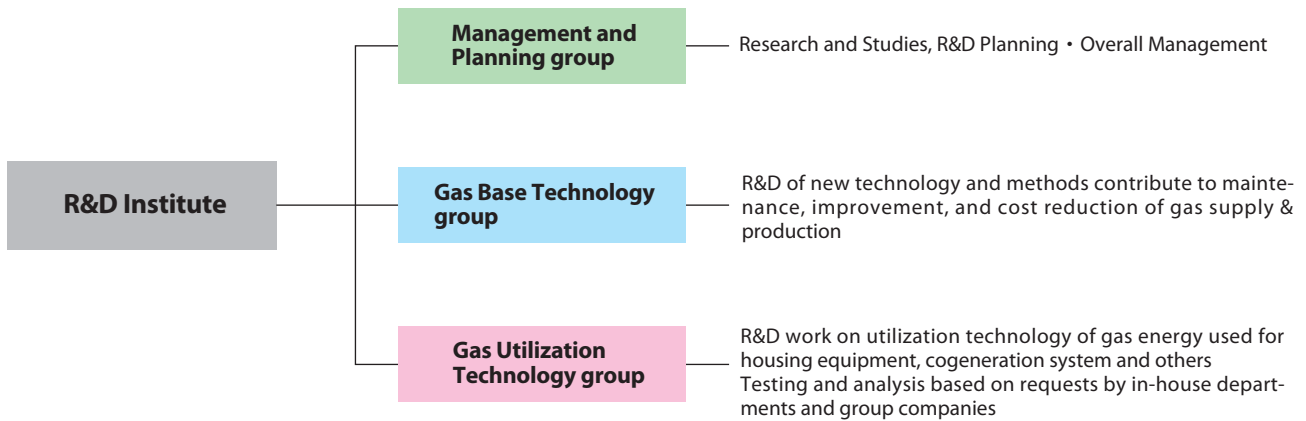
Saibugas Co.,Ltd has been supplying city gas, which is primarily composed of clean natural gas, to about 1,110,000 customers residing in 16 cities and 16 towns in three prefectures (Fukuoka, Kumamoto and Nagasaki).

Our R&D center was initially established in Higashi-ku of Fukuoka city in 1984 and moved to its present location, Nishi-ku Imajyuku in April 2001.

The mission of this institute is to conduct future-oriented R&D in a wide range of fields. Our activities range from dissemination and advanced use of natural gas, which has less impact on the environment, and creating a better supply system

for customers to ensure stable and safe supply of gas. We also promote efficient technology development thanks to active collaboration with outside parties, including other gas suppliers and universities

Organization



Introduction of Research contents of R&D Institute

Introduction of study, research and development conducted at R&D Institute



Studies and research concerning Solid Oxide Fuel Cell (SOFC)

Progress toward realizing power generation with highly efficient SOFC system, we conduct various operations including performance test by installing SOFC residential cogeneration system in a house and a research institute as well as other promotional activities.

Photo: Laboratory test of Solid Oxide Fuel Cell (SOFC)

R&D regarding gas pipeline

We develop light, flexible and easily installed protective materials. Utilization of two types of sheets with different features (reinforced fiber and non woven fiber) can contain and reduce damage on pipe surfaces caused by impacts from digging equipment and other machinery often used for road works.

Development of Polyethylene Pipe Protection Materials

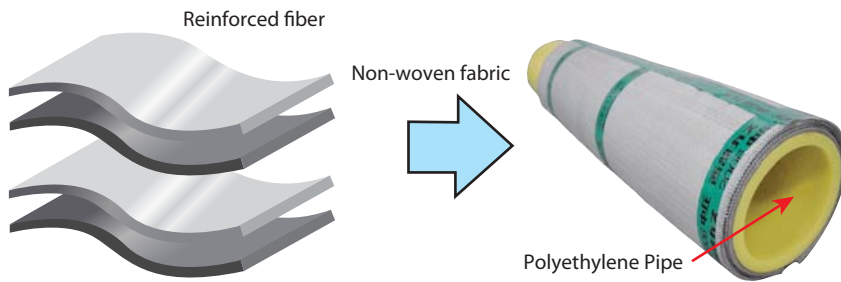


Photo: Installation of protective

Studied and research on comfort of gas appliances

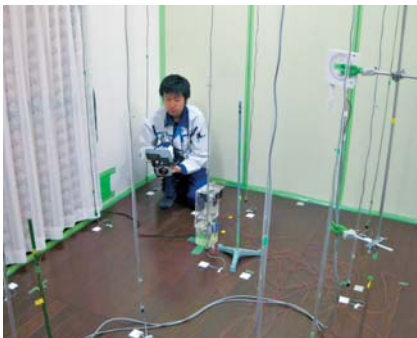


Photo: Evaluation test of floor heating materials



Photo: Evaluation of gas stove materials

Conducting studies and research tests to assess functionality, usability, and environmental impact of gas appliances on the process of cooking, water supply and heating in our daily life. By incorporating academic studies by the Human Engineering (Physiology, Psychology), nutritional science, and Cookery Science into collaborative research, we work with universities and other institutions to provide gas appliances that can be comfortably used by our customers.

Operation of tests and analysis

We conduct tests and analysis according to requests from in-house departments and affiliated companies.

As a measurement certification business operator, smoke and soot are measured in order to contribute for efficient maintenance and cost reduction of facilities owned by Saibugas Co.ltd. and its affiliates.

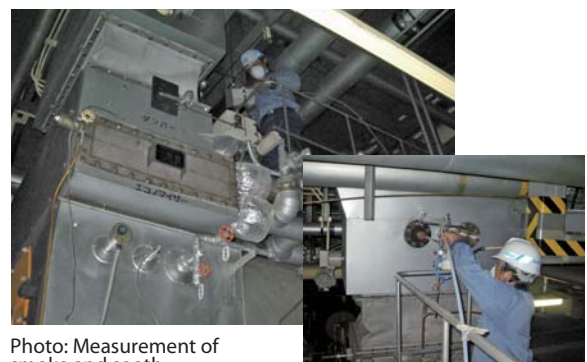


Photo: Measurement of smoke and soot

Saibugas Co.,Ltd. R&D Institute

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 TEL 092-805-1521 FAX 092-805-1520
 URL <http://www.saibugas.co.jp/souken/index.htm>

Fukuoka Prefecture

Promotion of the Green Asia Special Global Strategy Synthesis Area

Comprehensive Special Zone systems are specially designated zones with the aim of promoting the economy, established at the initiatives of local governments or private businesses, where special regulatory measures (deregulation, tax system, financial and monetary support) tailored to local conditions are brought in. Fukuoka Prefecture, Fukuoka City and Kitakyushu City jointly applied and have been designated as a special zone in December 2012. Emphasizing Asia and the environment, by leveraging industries, technologies, human resources, networks and others resources accumulated in the region, projects are being carried out in line with four initiatives: Creating a package for urban environmental infrastructure, Formation of Hubs for the development and production of environmentally conscious products, Establishment of a Resource Recycling System, and realizing a borderless business environment in Asia.

In addition to the government's support, the prefectural government has its own support system. This specific program includes subsidy and loan program for capital investment and other investment associated with business operations as well as tax exemption for real property acquisition. By making use of such a program, we will actively support corporations that engage in environment-related businesses. Besides, the Kyushu University Ito Campus, Itoshima research park and Kyusyu University Minamiguchi Science Park have been also designated as part of a special zone in Kyushu University Academic City.

In September 2012, Mitsubishi Electric Corporation which is based in Fukuoka city has been designated as a Green Asia Special Global Strategy Synthesis Area company in Fukuoka prefecture. Under this designation, Mitubishi Electric's Fukuoka-based Power Device Works is planning to make capital investment with the use of the above mentioned support programs.

We will continue to powerfully support business activities, including capital investment and promotion of business investment, with the view of the regional economic revitalization and job creation that these initiatives will bring about.



Photo: Mr. Toru Sanada, General Manager of Mitsubishi Electric Corporation Power Semiconductor Device Works(right) received Certificate of Designated Company from Governor Ogawa(left)

Fukuoka City

The 2nd Fukuoka Industry-Academia Symphoncity Applications now accepted!

As one of the leading facilities for promotion of the Kyushu University Academic City Plan, Fukuoka Industry-Academia Symphoncity has been always fully occupied since its establishment in April 2009. At this facility, various achievements have been made including ongoing large-scale projects, development of patented technology, innovative products as well as job creation.

To further promote formation of an R&D cluster, from September 2012, Fukuoka city started construction work on "the 2nd Fukuoka Industry-Academia Symphoncity (temporary name)" and tenant applications will be accepted beginning January 2013, Please consider to use this facility.



Image: 1st center (front),2nd center(back)

【outline of Facility】

Location: Motooka Nishi-ku Fukuoka City

Scheduled completion: October 2013

Construction: RC two-story building

Floor space: Approximately 3,379 square meters

Main facilities: Rental laboratory with office 15

Meeting room, Analytical instruments room

Contact: Science and Technology Promotion Section

Fukuoka City Government

092-711-4344

Itoshima City

Subsidy program for Joint Research between Itoshima City and Kyushu University and Itoshima City Regional Revitalization Plan Contest

Subsidy program for Joint Research between Itoshima City and Kyushu University

Itoshima City is promoting city development projects that harness existing intellectual resources accumulated at Kyushu University.

As a part of this effort, it set up the Subsidy Program for Joint Research between Itoshima City and Kyushu University.

The financial support will be offered for research that is carried out by researchers of Kyushu university whose research space is located in Itoshima City and are expected to find solutions for regional problems or explore regional resources.

In the 2011 Fiscal Year, the research projects, "Installation of a Hydroelectric Power Generation system at Shiraito Waterfall" and the "Akiya" (Vacant house) project, were designated, since both research projects satisfied the requirements for receiving the subsidy. In the next fiscal year, "Preservation of coastal pine forest and nurturing Camellia trees as replacement trees" and "The Studies and research on Health expectancy and health behavior" received grants along with other seven projects.

The research that received the grant 2010 has evolved into the joint research project, "Creation of Tsunami Hazard Map" which is now underway.

Itoshima City Regional Revitalization Plan Contest

The 3rd Itoshima-city regional revitalization plan contest was co-hosted by iTOP, an organization aim at rejuvenation of Kyushu University area and Itoshima City, with the objective of drawing up ideas for revitalization of Itoshima City area by bringing students together from all over Japan.

The winning plans selected by a jury chosen from the general public were; Café run by Japanese Students and international students of Kyushu university, and Provision of local cuisine using locally produced Itoshima foods for International students. After the business plan presentations in November, these plans were realized in the form of "Global café itowokashi", which provides a place of exchange for local residents, students and international students. The café is open on the fourth Sunday of every month. It also holds interactive events, including language classes. We look forward to welcoming you.



International students and Japanese students running the café