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Nine participants to the JICA Training Course, "Maintenance Management with Non-destructive Inspection" for 4 months from February, 2010

Since its inception in FY1993, this course was successfully conducted 17 times. Non-destructive Inspection is a method for examining soundness of materials like metal without cutting or damaging the samples. Non-destructive Inspection Technique has become particularly important to have high-quality and stable production. (See Page 3 for more details)

A Message from Vice President of KITA

Toward the Year 2040

Kenzo Matsumoto
Vice President of KITA



KITA was established as a public foundation in July 1980, aiming to transfer industrial techniques that had been long accumulated in Kitakyushu to participants from developing countries in the training courses entrusted by JICA. In the beginning, there was only one course with 10 participants from 10 countries. The training courses continued to increase over the years, and in FY2009 KITA provided 44 JICA training courses to 365 overseas participants from 68 countries. The aggregate number of participants in both JICA and the other training courses has reached 5,805 from 137 countries over the past 29 years.

The first training course was "Properties and Testing of Steel Products" and four years later the course "Plant Maintenance Techniques" started, followed by the "Automatic Control" course. These courses focused on production techniques in the 1980s. In the 1990s, we started courses in the environmental field one after another, such as "Industrial Wastewater Control Techniques" and "Industrial Environmental Management." At present the environment has become one of the two major fields, along with the field of production techniques.

Meanwhile, the training courses have been reviewed by introducing the principles of competition and cost-effectiveness, just as with general products. Considering demand trends in developing countries, the training courses have been evaluated periodically (currently every three years) to decide if they should be continued or not. Courses with lower ratings are to be ended.

KITA tried to follow rapidly changing aid policies to developing nations and also to improve added value of the contents of the commissioned training courses.

Before the courses start, a draft of the proposed curriculum is made by delving deeply into the needs of developing nations, and then after a review meeting with JICA staff, the courses to be offered are finalized. Even after the training courses completed, course contents and suggested improvement are drawn up reflecting opinions of participants and other staff, and

they are considered at a review meeting.

In addition, in order to have sufficient utilization of training results after participants' return to their home countries, KITA has implemented a unique training process called the "Kyushu JICA Action Plan Story (K-JAPS)."

This year marks the 30th anniversary of the establishment of KITA, and I would like to introduce what KITA has envisioned for the next thirty years. This June the Ministry of Foreign Affairs has defined the objective of ODA as "promoting wider-perspective national interests" and identified "boosting sustainable economic growth" as one of its priorities. It seems that social structure and technology will continue changing in order to being into a low-carbon society.

Fortunately, KITA has been established as an active institution and kept a clear focus as an organization "contributing to human resources development in developing countries." Based on this principle, KITA will break out of the old same patterns of activities and continue to change, responding to developing countries' needs, then KITA will be able to realize its dream over the next thirty years. I would like to ask JICA and other sectors of society as well for their continuing support and cooperation.



At a workshop in training course through K-JAPS

Close-up of some KITA training courses

A Brazilian Participant's Impressions of Japan

Kenzo Matsumoto
Vice President of KITA

Mr. Costa Helder from Brazil participated in the JICA training course for South America. This March he contributed an essay, "Japan, Land of the Rising Sun," to a daily newspaper O DIA in Piauí State, just after his return home. He commented on the training course, his

receipt of a completion certificate, the cherry blossoms, and a tea ceremony. He helped build a wonderful bridge of international friendship. I am so grateful for his unexpected gift.



From "Japan, Land of the Rising Sun" in a daily newspaper O DIA

Introduction of the Course, "Maintenance Management with Non-destructive Inspection"

Hiroshi Toyama
Course Leader of KITA

Since its inception in FY1993, the course in "Facility Maintenance Management focused on Non-destructive Inspection for Life Line Structure" was successfully conducted 17 times. Non-destructive Inspection is a method for examining soundness of materials like metal without cutting or damaging the samples. If this technique is applied to maintenance management of devices, building structures, transport equipment and etc, it will lead to early detection of damage due to aging, prevention of unexpected accidents and life extension.

Participants receive training on the following areas.

- (1) Defect-generating mechanisms in metallic materials
- (2) Basic theory and practical training on different types of Non-destructive Inspection
- (3) Selection techniques for adequate inspection methods depending on the intended use
- (4) Necessary techniques for evaluation and analysis of test results
- (5) Techniques for inspection, repair, and maintenance in infrastructure facilities
- (6) On-site training of a kind to be experienced only in Japan and plant visits to world-famous equipment makers

In addition, as UT* is the most highly used method in NDT**, we conduct a qualification exam and certification for ASNT Level ***.

NDT has become increasingly important for developing countries to have high-quality and stable production as scheduled. KITA is now preparing improved curriculum and waiting for more participants next spring.

*UT : Ultrasonic Testing

**NDT : Non-Destructive Inspection Technique

***ASNT Level : Level of American Society of Non-destructive Testing

Practice in Magnetic Particle Testing at a Valve Plant



Practice in Radiographic Testing

Follow-up to Action Plans : "Cleaner Production (CP) in Iron & Steel Industry for Argentina"

Susumu Kubo
Assistant Course Leader of KITA

This training course started last year, aiming to introduce CP widely in the Steel Industry in Argentina. The 1st session was held at JICA/KITA for two months starting from June of last year, with participation of four researchers/engineers from IAS* and steel companies. This March, seven months after the session, I went there to follow up on the Action Plans that they made during the course, "Effective Use of Dust and Slag Generated in the Steel Production Process." I had meetings with each participant and his or her supervisor and also visited his or her office and plant.

Their action plans have been put into action steadily, mainly by IAS*, which is a research agency, with the collaboration of the steel companies which participants belong to. They have maintained their high motivation and continued to exchange information each other. They have worked together with the same teamwork spirit they had in Japan, which is very important in promoting action plans with concerted efforts.

On the weekend, they invited me to a BBQ party with

their friends and families. I had an enjoyable time away from work. The follow-up on the action plans was very meaningful not only in tracking the achievements made possible by the training, but also in establishing a relationship of trust again with them through the exchange of information and advice.

*IAS : Instituto Argentino de Siderurgia



A meeting at IAS



Our group
(The author is the third from the right)

Visit to Krakatau Steel in Indonesia to Follow Up Training Results

Dr. Masakatsu Ueno
Course Leader of KITA

This May, I participated in the Annual Conference of SEAISI* held in Ho Chi Min City in Vietnam. I also took this opportunity to visit Krakatau Steel in Indonesia, where I attended a workshop to follow up training results and met with former training participants and executives of the company. I was impressed with the reports of those who took part in the JICA training course, "Cleaner Production in Steel Industry" from FY2006 to 2008.

One participant reported that the company will start retooling its electric furnace this autumn to increase productivity by introducing oxygen injection techniques acquired in the course. The other participant returned home after gaining a full understanding of the "necessity of resource conservation and environmental protection." He made a presentation on the development of environmental preservation activities with concerted efforts of both the local community and the labor union. He has facilitated such efforts by utilizing his current position as a labor union leader. The company's executive expressed his gratitude and high hopes by saying that the JICA training courses have contributed to development not only of his company but of his country and that he

looks forward to their continuation in the future.

On the way back to Japan, I visited JICA Indonesia to report the results of my visit to Krakatau Steel and exchanged opinions on the future direction of training courses. I want to make use of valuable information from JICA overseas offices when I draw up future courses.

*SEAISI : South East Asia Iron Steel Institute



Former participants gathering at a welcome dinner for me



Workshop on training results at Krakatau Steel

The New Training Course, "Practical Techniques for Mechatronics and Robots"

Masataka Taniguchi
Course Leader of KITA

This 4-month course was established last financial year during the cold of January and concluded in Japan's season of cherry blossoms and lush greenery. Last FY, we had 6 participants from Asia, Latin America and Africa, who received practical training in mechatronics, and experienced Japanese culture as well. They returned to their home countries greatly pleased. Human resources needed in current industry have shifted from experts of a single field such as machinery, electronics, control or computers, to experts with knowledge and techniques across integrated multiple fields such as machinery, electronics and IT*, who can control an entire production system. Fortunately, the Kitakyushu area is a source for mechatronics, with many related industries and academic institutions, so it is blessed with a good educational environment.

This course consists of practical training (50%), lectures (40%), and visits to factories and schools (10%), focusing on practical training using various equipment and devices. In addition to training like that shown right hand, we have training in mechatronics using practical training devices, including programming of controlling devices with PIC**, control of mini-plant equipment using PLC***, and

simulation training with MATLAB****. I am confident that the techniques will be useful for the development of industry in participants' home countries.

*IT : Information Technology

**PIC : Peripheral Interface Controller

***PLC : Programmable Logic Controller

****MATLAB : MATrix LABoratory, The Language of Technical Computing



A gathering beneath a cherry tree
(After training at
DAIKIN INDUSTRIES Co., Ltd.)



Training in operating a robot arm
at YASKAWA ELECTRIC Co., Ltd.

The New Training Course, "Air Pollution Source Management"

Azuma Kido
Course Leader of KITA

This course started in 2009, aiming to help participants understand legal systems and administrative organizations necessary for prevention of air pollution. It also focuses on obtaining air pollution control technology and necessary operating skills of the related facilities.

The first one opened for about two months, from mid-October last year, with five participants, one each from China and Egypt, and three from Mongolia. At the beginning of the course, the participants had two days of job reports making training to identify the difficulties faced by their own countries. In order to study air pollution monitoring, they visited the Kitakyushu Air Pollution Monitoring Center, DKK-TOA Co., Ltd., HORIBA, Ltd. and etc. They also had plant visits and on-site training concerning air pollution control technology at Kurosaki Harima Co., Ltd., Ube Industries, Ltd., Nippon Steel Corp., Mitsubishi Chemical Corp., Kyushu Electric Power Co. Inc., and other companies.

The most highly evaluated course content was observing air pollution control technology and its operation

condition of the related facilities at plants, as well as lectures on legal systems and administrative organizations for overcoming air pollution and how to apply them.

The course for FY2010 will start in October, making further improvements in course content based on the experience gained last year.



On-site training at HORIBA,
Ltd. in Kyoto



On-site training at Ube Cement
Factory, Ube Industries, Ltd.,
located in Ube City,
Yamaguchi Prefecture

Finishing the Course, "Energy Conservation Technology and Machine Condition Diagnosis Techniques for Asian Countries (Sub-course A)"

Shoji Yazu
Course Leader of KITA

This course started three years ago based on the facts that Asian countries with remarkable economic development have experienced rapid increases in energy demand and that measures for energy conservation are an immediate concern.

The course consisted of two three-month sub-courses, A and B, simultaneously starting every mid-January. Sub-course A, "Energy Conservation Technology for Energy Managers or Energy Auditors," had specific targets of training energy conservation auditors and developing their practical skills, with 24 participants in total from 10 Asian countries over the three years.

It provided participants with knowledge on how to use various types of energy utilized in Japan and energy conservation techniques. They also visited major companies to see how energy is conserved on site and learn their know-how. The course also included lectures on how to improve the global environment, such as prevention of global environmental pollution and global warming, from which they were able to acquire eco-friendly energy conservation technology.

The participants worked actively and seriously to absorb Japan's energy conservation technology, which would be utilized effectively in their countries. After returning home, they are expected to come up with practical action plans to make full use of what they acquired during the training in Japan and to promote activities for improvement of their work places.



On-site training at Hachobaru Geothermal Power Station, Kyushu Electric Power Co., Inc.



Training about clean energy, focusing on LNG at Saibu Gas Co., Ltd.

Finishing the course, "Energy Conservation Techniques for SMEs* in Costa Rica"

Kenji Kawaguchi
Course Leader of KITA

Costa Rica, in southern Central America, has rapidly raised awareness over energy conservation due to the recent surge in crude oil prices. Particularly, SMEs* have started concrete efforts in reducing production cost with energy conservation techniques.

This course has targeted main persons to promoting energy conservation in SMEs and national institutions in Costa Rica. It was conducted for 2 weeks from March 2, 2010, aiming to promote energy conservation activity. In order to achieve this purpose the curriculum includes for participants visit Japanese SMEs to observe practices of energy conservation.

15 participants strived for solutions to their challenges. One of the most popular points in the curriculum was observation of good result in a supermarket and a general hospital by small investment and all the members participants. Such techniques would be applicable in participants' home countries. Their action plans included specific descriptions of how to put their training results into action and we rate their feasibility high. Costa Rica has a saying that "A flower blooms only one day,"

meaning nothing lasts for very long, but I sincerely hope that all participants will remember their intentions and take the initiative in sustained activities to achieve great things in Costa Rica.

*SMEs : Small and Medium-sized Enterprises



Training at Nippon Steel Yawata Memorial Hospital



Training at Coop Kagoshima to observe energy conservation measures applied in freezer cases

The Secret of high popularity on Training Course "Promotion of Local Industries and SMEs* in South America"

Yoshio Miki
Course Leader of KITA,
Representative of the Value Creation
Management Institute

This course started in 2006, aiming to make local areas in South America prosperous and to contribute to eliminating regional gaps. It has introduced Japan's experience and know-how in supporting SMEs* and developing local industries, which should strengthen the capabilities of persons involved. This course is so popular that the total number of applicants is 2.5 times as many as its quota at the FY2010 one-month course in August.

Let's identify why this course is so attractive to participants.

(1) Wide variety in the curriculum

During the short-term course for a month, the course includes workshops using a breakthrough method, creative ways of thinking, visits to SMEs in Kitakyushu, and lectures on government's role. As the key for invigorating local areas, participants are provided with lectures and visits to see the industry-academia-government partnership, agriculture-commerce-industry cooperation, and venture businesses. They also visit Oita to see the One-Village One-Product movement.

(2) Cooperation with Counterparts

Recently, South American nations have promoted development of SMEs and local industries as state policy. Those who are playing leading roles have participated in the course and have recognized the necessity of training through their own experience, and the network of participants has been spreading. Experts of JICA, which has supported development of SMEs and local industries, have participated in the course for several days as observers and then recommended participants in local areas.

*SMEs : Small and Medium-sized Enterprises



JICA expert for Chili joining a workshop



Staff who had been sent to Paraguay by JICA making a speech at the Oita Agriculture Culture Park

2nd Training Course on "Competitive Advantages of the Malaysian Automotive Parts Industry"

Hiroshi Kitada
Course Leader of KITA

This training course is a project based on the Japan-Malaysia Economic Partnership Agreement, and the FY2009 course was held for six weeks from Feb. 1, 2010.

Due to the review of the previous session, lectures were kept to a minimum. But the lecture on the Toyota Production System (KANBAN), which was of utmost interest for participants, was given by a hands-on experienced executive, Mr. Amezawa, a former vice president of Toyota Motor Kyushu, Inc. In practical training on VE*, problem solutions and JIT**, they took part in two-phase sessions in which they learned improvement techniques while solving challenges as teams. In corporate training, they visited a finished-car maker, many auto-related companies and a local blue-chip business.

The participants understood through experience that competitive advantage needs (1) Initiatives of top management and involvement of all stakeholders (2) Management with respect to humanity (3) Education for employees focusing on the basics and (4) Untiring dedication to KAIZEN.

They had a sense of mission in playing their part in the developing automotive industry in Malaysia and always seriously worked during training. It can be expected that the time will come before long when they can establish a solid corporate culture in Malaysia. The last session of this course for FY2010 is scheduled from Oct. 25th to Dec. 3rd.

*VE : Value Engineering

**JIT : Just In Time



On-site training in KANBAN using a simulated line at Toyota Motor Kyushu, Inc.



After training at Toyota Boshoku Kyushu Corp., one of the corporate visits

Recent activities for overseas development cooperation

Support for developing environmental human resources in Hai Phong, Vietnam

Hisao Nakamura
KITA Environmental
Cooperation Center

This project has been implemented as Partnership Program of JICA since 2009 for aiming at the capacity building of government officers in Hai Phong City and promotion of environmental preservation, energy conservation, and resource saving by dispatching experts and receiving trainees.

Our plan in 2010, which is the final year of the project, is to dispatch experts three times, and we had already dispatched the first batch in early July. We visited four enterprises including shipbuilding and steel works which were selected from 59 major energy consumption enterprises in the city, and studied the measures on energy conservation, resource saving, and environmental problems. And we had discussed the issues and directions with related organizations for establishing the system of guidance and support for industries.

In October, we will conduct the detail survey in two model companies for giving some advice on the improvement plan to utilize CP*. And for disseminating it to other major enterprises, we will hold a seminar around March next year to present the countermeasures taken in the model companies and fund of Vietnam Development

Bank. Based on the result of our activities, we will make a proposal on energy conservation and introduction of CP to Hai Phong city.

*CP : Cleaner Production



Interview about saving energy and resources in shipbuilding company



Visit to shipyard (welded parts)

Establishment of waste management methodology in Metro Cebu area, Philippines

Masaya Nagaishi
KITA Environmental
Cooperation Center

Since 1998, KITA has been implementing activities of environmental conservation and waste management with the cooperation of various related organizations including local NGOs, administrative organizations, and universities in Metro Cebu area, Philippines. And by receiving the grant of Japan Fund for Global Environment, KITA will cooperate with the Institute for Global Environmental Strategies Kitakyushu Urban Centre (IGES KUC) for official promotion of KITA-Q system, the community-based waste management system by composting domestic garbage, which achieved a success in Surabaya, Indonesia.

In our preliminary survey from July 20 to 23, we had meetings with Cebu City, Pagtanbayayong Foundation Inc. (PFI), Pollution Control Association of the Philippines Inc. (PICAPI-7), Southwestern University, etc. to discuss the present situation, implementation system, methods, etc. of waste management.

Our target in the first year is 10% reduction of waste by introducing Takakura Home Method (THM), which is domestic garbage composting, in 8 model communities

designated by Cebu City.

In November, we will dispatch some experts including Mr. Takakura of Jpec Co., Ltd. to conduct seminars and trainings to promote THM with the cooperation of Cebu City.



Land fill site of Cebu city ; A large amount of Organic waste is included



Activities of PFI ; Distribution of THM baskets and seed compost

Participating in the ROTOBO* Economic Mission to Ural, Russia

Kazuya Kudo
Vice President of KITA

Four years have passed since KITA was involved with the project supporting business matching between Kitakyushu and Russia led by ROTOBO* in March, 2006.

I participated in the Ural Economic Mission of ROTOBO in June, 2010. Forty businessmen joined the mission from 10 of Japan's leading companies, including Mitsubishi Heavy Industries, Ltd., and a forum was held in two cities of Ural in Russia, Chelyabinsk and Yekaterinburg. Kitakyushu City sent two key persons of the Industry and Economics Bureau with the mission, and they introduced the past economic and technological exchanges with Chelyabinsk, mainly in the steel industry.

It was a first opportunity for Japanese big companies to make presentations in Ural, which received a great response from Russia. In particular, an incineration plant for waste is likely to be introduced for the first time from Japan and is expected to be a front runner in this field. Demand for incineration plants is strong and potentiality of expanding sales is expected. As for hot rolling mill, much effort is needed to win out in the harsh price competition

with European plant maker.

Plant visits included Uralmash in Yekaterinburg and three separate tours in Chelyabinsk (Mechel Steel, Tractor Plant and Steel Pipe Plant), which made the mission extremely meaningful.

*ROTOBO : Japan Association for Trade with Russia & NIS



A visit to Mechel Steel in Chelyabinsk



Mission members on the visit to Mechel Steel in Chelyabinsk

Visited Hai Phong City, Vietnam to Promote JETRO RIT Program

Eiji Wada
Technical Advisor of KITA

Kitakyushu City is in process to create a business model of matching between a company engaged in metal processing business in Kitakyushu and one in Hai Phong City, Vietnam according to the friendship and cooperation agreement co-signed in April, 2009. This is a 5 year long program started from last year, and this year is to draw an attractive plan for both cities by researching current conditions of potential companies in advance in order to start the necessary actions from the next year. Kitakyushu City was fortunately awarded to utilize the RIT* program operated by JETRO** for these preliminary research works.

The 1st mission including 2 engineers from KITA was sent to Hai Phong from July 13 to 24 and visited 13 companies and one Japanese company operating in Nomura Haiphong Industrial Zone. It is found that many of companies visited are facing a lack of their supporting industries as well as insufficient quality controlling technologies of their products. A certain type of technical assistance or personnel training from Kitakyushu, therefore, was frequently requested.

It is scheduled that Kitakyushu City concretizes a formation of matching business between potential

companies in both cities and sends the 2nd mission to conduct more detailed discussions in February next year for the coming 3rd year works.

*RIT : Regional Industry Tie-Up, program operated JETRO is to develop international interactions on a regional basis between Japan and a foreign country through amalgamating distinguished technologies accumulated by SMEs in both regions.

**JETRO : Japan External Trade Organization



Assembly Line of Light Truck at Chien Thang Automobile Co., Ltd.



Dry Dock at Nam Trieu Shipping Industry Corp.

Informative news and topics / International friendship promotion

Viewpoint of promoting for low carbon in industrial sector

Dr. Ken-ichi Fujimoto
Director-general of KITA,
Productivity cooperation Center

Kitakyushu City established "Kitakyushu Asian Center for Low Carbon Society" to achieve the reduction of greenhouse gases (GHG) in the City and Asian countries. As GHG emission from the industrial sector remains high percentage (45%) even if it reduced 4.6% since 1990, this sector has a critical role in creation of low carbon society. Therefore, examples which the industrial sector has been striving for energy saving can be introduced.

Transfer of technologies and experiences accumulated in the industry to developing countries is one of the possible approaches for reduction of GHG.

There are many ways for energy saving and cost down in an industrial sector. The examples of chemical industry are shown in the Figure below.

1. Process innovation : High yield. Reduction of raw materials. Reduction of waste, etc.
2. Product improvement : Longer life. Lighter weight. New use. High performance, etc.
3. Process rationalization : Energy conservation. Improvement of operating method, etc.

Formation of economically feasible initiatives is an indispensable factor for gaining cooperation from a company.

The author gave a presentation titled "Actions toward creation of a low-carbon society in Kitakyushu City" at the Environmental Symposium held in Bahrain in February.



International friendship promotion

International Friendship Exchange: United through Watching Soccer Games

Yuko Sugawara
Administration Bureau of KITA

It was last autumn when we began watching soccer games with overseas participants of JICA training courses. It has become an international friendship program, which anyone can enjoy through the world's common language, sports. Everyone has become an enthusiastic supporter of Giravanz Kitakyushu* and we all shout with excitement, "Giravanz!" "Kitakyushu!" While cheering with loud voices and displaying the team colors, all were united with other residents of Kitakyushu.

We called for their host families to join us and so, 40 people went to Honjo Stadium in Kitakyushu on May 9th. The participants from Latin America took the lead in cheering with real gusto. The shy participants from Asia, the humble staff of KITA, also found themselves cheering happily. It was great fun for everyone! A newspaper reported on our gathering, in which training participants, host families and the staff of KITA got together to cheer

for the team. In the previous game, also, we could cheer for the team with supporters' groups as requested by the overseas participants.

Giravanz Kitakyushu wants to be a banner under which supporters and communities join to become active and cheerful. So, host family members, let's cheer for Giravanz at games this year.

*Giravanz Kitakyushu : a Kitakyushu-based professional soccer club, a member of the Japan Professional Soccer League (J League)



KITA training courses in FY2010

Type	JICA Group training	JICA Area-focused training	JICA Country-focused training	KITA Individual training
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No	Title of training course	2010												2011						Course Leader	*			
		4	5	6	7	8	9	10	11	12	1	2	3	4	5	6								
Environment management																								
1	(Middle East) Industrial pollution control management																						J.Kawasaki	7
2	Industrial wastewater treatment technique II																						Arakawa	8
3	Domestic wastewater treatment technique																						Yonezawa	8
4	(Southwest Asia) Citizen-participation-type Solid waste management																						Haraguchi	7
5	(Southeastern Europe) Promotion of Cleaner Production																						Nishino	10
6	(KOICA-JICA) Environmental protection technology and management for air pollution control																						Nishino	15
7	(KOICA-JICA) Policy and technology for energy conservation and environmental protection in East Asia																						Kawai	13
8	Operation & maintenance of sewerage system and waste water treatment technique																						Minami	11
9	Waste management technique & environment education (A)																						Sashiwa	9
10	Waste management technique & environment education (B)																						K.Kido	9
11	Air pollution source management																						A.Kido	8
12	(Malaysia) Solid waste management																						Minami	9
13	(Tianjin) Development of environmental management ability																						Minami	5
14	(Fiji) Promotion of 3R																						Kawai	5
15	(Vietnam) Sewerage management																						Yazu	10
16	(Korea) Environmental and energy-saving operations for SME engineers																						Ishii	10
17	(Korea) Management of environmental conservation for SME																						Wada	26
Production technology , Plant engineering and CP																								
1	(South America) Practical production management																						T.Miyamoto	8
2	CP through production maintenance (A),(B)																						Ishikawa	9/8
4	Practical technique of mechatronics & robot																						Taniguchi	6
5	(Central and South America) CP in process industries (A),(B)																						Abe	7/6
7	(Mercosur) Energy conservation techniques																						Kawaguchi	8
8	(Central and South America) Dissemination of productivity improvement activity (A),(B)																						K.Kawasaki	6/5
10	(Argentina) Cleaner Production in iron & steel industry																						Ueno	3
11	(India) Energy conservation techniques(1)																						Ueyama	15
12	(India) Energy conservation techniques(2)																						Tanaka	15
13	(India) Energy conservation techniques(3)																						Tanaka	8
14	(Vietnam) Practical business management for productivity improvement activity																						Rikimaru	10
15	Facility maintenance management focused on non-destructive inspection for life line structure																						Toyama	8
16	(Malaysia) Training course for competitive advantage of Malaysian automotive parts industry																						Kitada	20
Promoting of Recycling-based Society																								
1	(ASEAN) Establishment of sound material cycle society																						Kawai	5
2	(ASEAN and India) Asian sustainable society development (programmed by Fukuoka Prefecture)																						Tajima	8
3	(China) Asian sustainable society development (programmed by Fukuoka Prefecture)																						A.Kido	7
Job training , Local revitalization and Others																								
1	(Central and South America) Job training coordinated with industry																						Miki	14
2	Industrial health and preventive care for working people																						Takahashi	5
3	Food sanitation administration																						Terasaki	10
4	(South America) Promotion of local industries and SMEs (training)																						Miki	13
5	Enhancement of occupational accident prevention and safety management																						Ueyama	5
6	Training of Japanese descent Training to economically develop the area																						Miki	6
Human Resource Development for Asia																								
1	Sewerage management technique for Hohhot																							
2	Sewerage management technique for Kunming																						Tsuruta	6×n
3	CLAIR participant training																						Murakami	

(as of August 25, 2010)

* participants quota

● The detail of the course & annual schedule can be seen in KITA 's Web site (<http://www.kita.or.jp/>)

Topics and Information

Conclusion of an Economic Relationship Agreement between Kitakyushu City and Chelyabinsk, Russia

Kazuya Kudo, Vice President of KITA

KITA has actively promoted business matching between these two cities through exchanges by administrative body and private-sector organizations since 2006 under the support of ROTOBO*. Several companies are likely to have trials for their products. In order to facilitate a friendly relationship based on previous activities, the representatives of both cities signed the Economic Relationship Agreement just after ROTOBO Forum held in Chelyabinsk this June.

*ROTOBO : Japan Association for Trade with Russia & NIS



Signing ceremony of the Economic Relationship Agreement between Kitakyushu City and Chelyabinsk, Russia

Impressions of Japanese Culture by Egyptian Participants in the Course on "Quality and Productivity Management Techniques"

Ms. Amal Mohamed Sayed Solaiman, Ms. Rasha Badia Mahros Ahmad, Egypt, Ministry of Trade and Industry, Technological Development Sector/Kaizen Center

Hello!! We came to Japan this spring to participate in the JICA training course. We learned various technologies through lectures and practical training. We also used our free time to absorb Japanese culture as much as possible. We ate delicious Yakisoba when we went to the Sakura Festival at Kokura Castle in a joyous mood.

Fortunately, we had a very enjoyable time when we played in the snow in early March, which we cannot do in Egypt. What made our stay more memorable were various events, such as one-day trips to a soccer game, as well as parties for participants.

Japan is a beautiful country with hospitable people. Thank you for your warmest kindness.



The Sakura Festival at Kokura Castle

Development of environmental education materials to utilize aquatic bioindicator organisms in Sri Lanka

Yoshitaka Murakami, KITA Environmental Cooperation Center

Rivers in Sri Lanka are polluted due to domestic wastewater and inadequate sewerage system, and the worsening of sanitary condition is a big concern. In general, there is a relation between the pollutant level of rivers and the living aquatic organisms. In Japan the bioindicator organisms have been used for the environmental education, Sri Lanka however is delayed to introduce this approach. By receiving a subsidy from The Japan Trust for Global Environment, KITA collaborated with the Central Environmental Authority of Sri Lanka, University of Colombo, and Kitakyushu City Environmental Preservation Association to carry out the field survey and observation of aquatic organisms in Sri Lanka in November 2009, and developed educational materials in English and Sinhalese languages. We would like to utilize the materials to implement the environmental education for children and citizens to raise awareness about water quality improvement in Sri Lanka.



Material in English Version



Field Survey of Aquatic Organisms

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