



IGAS 2011

International Graphic Arts Show
Tokyo, Japan / Sept. 16-21, 2011

Exhibition Report



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IGAS2011 was held at Tokyo Big Sight from Friday, September 16 through Wednesday, September 21 under the theme "Print Your Future! —Print Evolves Together with the Environment."

This year's event attracted 327 exhibitors, including 25 from overseas, and 2,740 booths, making it 60% of the size of the previous exhibition due to the impact of the Great East Japan Earthquake. The number of visitors over the six-day event reached 73,554.

For IGAS2011 we innovated our admission system to one based on IC rail cards, making entry to the venue smooth as well as tracking of the number of visitors in real time.

In addition, an International Forum on the Environment was held as a organizer's event. The forum included a lecture entitled "The Future of Paper Media in the Age of Sustainability" by Martyn Eustace, the director of Two Sides, a UK-based NPO, followed by a symposium involving experts from firms with profound knowledge of environmental issues and various media. The forum was very well received.

We also held a Press Photo Gallery and Points Rally to support the East Japan Great Earthquake Recovery. The Press Photo Gallery itself attracted more than 10,000 visitors.

Since the Process Control Ability Certification was established under the Japan Color Certification System in 2009, it has attracted substantial interest in the industry and a number of companies have obtained it. In September 2011, Color Reproduction Accuracy, DDCP Machine Management, and DDCP Machine Ability certifications were added to the system. Following their implementation, we held the Japan Color Certification System Seminar to reintroduce the system and provide an overview of its three new certifications. Many attendees enthusiastically asked questions, indicating

significant interest in this issue.

Apart from organizer's events, the Japan Federation of Printing Industries held a Printing Culture Commemorative Ceremony and the IGAS2011 eBook Forum under the theme "Present Situation and Future of Electronic Publishing from the Perspective of Printing Companies."

In addition, the All Japan Federation of Printing Industry Associations held Forum 2011 of the All Japan Federation of Printing Industry Associations, featuring guest speaker Darrin Wilen, president of the Wilen Group, a printing company in the US. IGAS2011 ultimately turned out to be highly dynamic, with many visitors attending a variety of seminars, symposiums and events including The 2011 Asian Symposium on Printing Technology and the 2011 Autumn Seminar hosted by the Japanese Society of Printing Science and Technology. On the second day of IGAS2011, Japan chaired Global Print, which gathered leaders of printing machinery associations from around the world. Participants engaged in eager discussions on international exhibitions and protecting intellectual property rights, which led to tangible results.

Despite our initial apprehension about holding IGAS2011 after the Great East Japan Earthquake, the event was a complete success. We are especially grateful for the exceptional support and cooperation we received from everyone involved with IGAS2011.

The Japan Graphic Arts Suppliers Committee plans to hold the next JGAS for the four days from Wednesday, October 2 to Saturday, October 5, 2013 at Tokyo Big Sight. We look forward to your continued support and cooperation.

Yoshiharu Komori
President

Japan Graphic Arts Suppliers Committee



Overview of the Exhibition / Opening Ceremony

Overview of the Exhibition

■ Title of event	IGAS 2011 International Graphic Arts Show 2011
■ Exhibition objectives	The International Graphic Arts Show (IGAS) is organized by the Japan Graphic Arts Suppliers Committee (JGASC). Its purpose is to develop and invigorate the Graphic Arts Industries. Besides exhibiting cutting-edge products, IGAS provides people with opportunities to study solutions for various current issues, to look for future technologies and to identify trends in printing and paper-converting technologies. The show will also facilitate international contacts for personnel in the printing and graphic industries.
■ Theme	Print Your Future!—Print Evolves Together with the Environment
■ Dates	6 days: Friday, September 16 to Wednesday, September 21, 2011
■ Hours of operation	10:00 a.m. to 5:00 p.m (4:00 p.m. on Wednesday, September 21, the final day)
■ Number of exhibitors	327
■ Net exhibition area	2,740 booths (covering 24,167 m ²)
■ Total venue area	Approximately 51,380 square meters
■ Admission fee	Advanced registration—1,000 yen, on the day registration—2,000 yen
■ Organizer	Japan Graphic Arts Suppliers Committee (JGASC)
■ Supporting organizations	METI (Ministry of Economy, Trade and Industry), Tokyo Metropolitan Government, JETRO (Japan External Trade Organization), The Japan Federation of Printing Industries (JFPI), The Japanese Society of Printing Science and Technology, Japan Corrugated Case Association (JCCA), Japan Paper-box & Corrugated-box Industry Association, Digital Content Association of Japan (DCAJ), Digital Signage Consortium
■ Countries Represented in the Exhibits	12 countries and regions Belgium, China, Germany, Italy, Japan, the Netherlands, South Korea, Sweden, Switzerland, Taiwan, the United Kingdom and the United States

Opening Ceremony

The opening ceremony of IGAS2011 began at 9:30 a.m. on September 16, the first day of the exhibition, and welcomed guests from the Ministry of Economy, Trade and Industry and related organizations as well as representatives from printing machinery associations who are members of Global Print in China, Germany, India and the UK.

Date and time: September 16, 2011, 9:30 a.m.–10:00 a.m.

Venue: North Concourse, Tokyo Big Sight

■ 1. Opening remarks

Yoshiharu Komori, President, Japan Graphic Arts Suppliers Committee

■ 2. Congratulatory speeches

Takayuki Ueda, Director-General, Manufacturing Industries Bureau, Ministry of Economy, Trade and Industry

Satoshi Saruwatari, President, The Japan Federation of Printing Industries

■ 3. Ribbon-cutting ceremony

Takayuki Ueda, Director-General, Manufacturing Industries Bureau, Ministry of Economy, Trade and Industry

Satoshi Saruwatari, President, The Japan Federation of Printing Industries

Mitsuhiro Mizukami, President, All Japan Federation of Printing Industry Associations

Takeshi Asano, President, Japan Association of Graphic Arts Technology

Kai Büntemeyer, Vice President, Global Print, Germany

Peter Morris, Chairman, Picon Ltd, UK

N.S. Manku, President, IPAMA, India

Wang Demao, Vice Chairman Executive, PEIAC, China

Wu Wenxiang, Honorary President, Printing Technology Association of China

Yoshiharu Komori, President, Japan Graphic Arts Suppliers Committee



IGAS2011 International Forum on the Environment



Martyn Eustace

The IGAS2011 International Forum on the Environment was held on September 18, 2011 under the theme "The Future of Paper Media in the Age of Sustainability."

The first part of the event consisted of an opening speech by Maiko Sato, director of Clean Print, the forum's host, explaining the purpose of the forum. This was followed by a

keynote address by Martyn Eustace, the director of Two Sides, a UK-based NPO. The second part, a symposium on environmental issues and various media, was attended by experts from companies with vast knowledge of these fields.

In his keynote address, Mr. Eustace remarked, "Paper media will be shut out if we don't take action right now. We must maximize the role of paper media in the domain of multimedia." He pointed out that the use of traditional printed media is declining and facing competition from Internet-based media, which is on the rise. The rapid increase in the market share for Internet advertising, however, is slowing down with regard to its growth of power, and advertisers are not necessarily satisfied with the results. Paper, on the other hand, is an extremely important and effective media for marketing, public relations and advertising. We must, nevertheless, recognize the reality that printing and paper media are among the causes of deforestation and exert an

increasingly negative impact on the environment. Paper media, however, is sustainable. To highlight this aspect, Two Sides is conducting a campaign entitled "Print Power" to raise public awareness about the effectiveness and sustainability of paper media. The campaign has been conducted in the US as well as Europe, and Mr. Eustace would also like to bring it to Australia.

Discussions during the symposium, which comprised the second part of the forum, focused on current trends and issues in the printing industry, the value of paper for communication, the importance and prospects of paper media, and the role and potential of paper media from the perspective of information technology.

Forum attendees included representatives from printing companies, printing machinery manufacturers and paper manufacturing companies as well as other private sector firms.

The forum earned high marks, particularly Mr. Eustace's fact-based keynote address from a marketing perspective, and the discussions during the symposium, which highlighted diverse viewpoints.



■ Outline of the Environmental International Forum

Date and time: Sunday, September 18, 2011, 10:00 a.m. to 12:45 p.m.

Venue: Conference Rooms 607 / 608, Conference Tower, Tokyo Big Sight

Attendees: 232

Programs: Opening speech by Maiko Sato, Director, Clean Print

Part 1: Keynote address by Martyn Eustace, Director, Two Sides

Part 2: Symposium (panel discussion)

Minoru Kikuchi, President, Media Development Research Institute, Inc.

Kazuo Iwano, Vice President, Smarter City CTO, IBM Japan

Kenji Kaneko, Deputy General Manager, Product Assurance Department, Bandai Co., Ltd.

Kazuhiro Kameda, Director, Social Innovation Research Center, Dai Nippon Printing Co., Ltd.

Toshiyuki Kitahara, Chief Researcher, Media Innovation Laboratory, Dentsu Research Center, Dentsu Inc.

Masami Takahashi, President and Designer, MASAMI DESIGN Co., Ltd.

Sponsors: Clean Print and the Japan Graphic Arts Suppliers Committee

NPO Two Sides

Founded in 2008, Two Sides is a UK-based NPO that comprises about 300 companies from a wide range of business fields, including printing-related businesses, major industry organizations in Europe, and general businesses.

NPO Clean Print

Clean Print is an NPO founded in 2008 in Japan by interested parties in the printing-related industry. It envisions the realization of affluent society by communicating to future generations that paper and printing are clean and attractive media.

Events hosted by the IGAS Organizer

Global Print Tokyo Meeting

Leaders of Printing Machinery Associations around the World got together

On September 17, the second day of IGAS2011, Global Print Tokyo Meeting was held in Conference Room 102 in the Conference Tower of Tokyo Big Sight.

Leading countries of printing machinery production have their industrial associations, Global Print was founded in May 2008 as an international federation of these associations to contribute to the growth of the printing industry through mutual understanding and cooperation among printing machinery manufacturers around the world.

Associations from 10 nations currently participate to Global Print. They are China, France, Germany, India, Italy, Spain, Switzerland, the UK, the US and Japan. The names of member associations are listed in the following table. Yoshiharu Komori, president of the Japan Printing Machinery Association (JPMA), which represents Japan in the federation, was elected as president of Global Print in May 2010, and currently JPMA is serving as secretariat for Global Print. Consequently, JPMA convened the Tokyo Meeting to coincide with IGAS2011. As the first order of business, a meeting of general secretaries who assume practical responsibility for federation operations, was held in the morning. The meeting was chaired by Kyoji Higuchi, executive director of JPMA, with 13 attendees from 6 countries. The Presidents' Meeting, consisting of directors of industrial associations, was held in the afternoon and chaired by Yoshiharu Komori, president of JPMA, with 18 attendees from 7 countries.

Both meetings reviewed the current status of the market, including demand for printing, printing machinery, and trade shows for printing machinery and materials, followed by discussions in which opinions were exchanged. The global printing machinery industry has been continuing its recovery

over the three years since the financial meltdown of 2008, boosted by increased demand in emerging countries such as China, India and Brazil. The situation, however, is precarious because developed countries including Japan, the US and European nations are facing their own problems of stagnant economies and an uncertain future. On the other hand, despite some skepticism about the future due to the spread of electronic media such as the Internet and e-books eating into demand, participants agreed that the prospects for paper media were still promising due to its unique properties and value not possessed by electronic media. Paper media also has an advantage in terms of sustainability. We look forward to sharing reports on opportunities from exhibiting companies with the global printing industry at Drupa, which will be held in Germany in May 2012.

Furthermore, since protection of intellectual property rights is a highly significant issue for printing machinery manufacturers around the world, Global Print has been discussing efforts for protecting them. As a result, action guidelines for the industrial associations of Global Print members were compiled and adopted as "Global Print Resolutions Concerning the Protection of Intellectual Property Rights."

Following the meeting, meeting participants and representatives from the printing industry in Japan gathered at a reception at Happon-en in Tokyo. A total of 71 guests from around the world enjoyed strolling through a Japanese garden and listening to a Tsugaru shamisen performance. The overall event further strengthened communication among participants.

Global Print Members

China	PEIAC (Printing and Printing Equipment Industries Association of China)
France	SYMOP (French Association for Manufacturing Technologies)
Germany	VDMA (German Engineering Federation)
Great Britain	PICON (Printing Industry Confederation)
India	IPAMA (Indian Printing Packaging and Allied Machinery Manufacturers' Association)

Italy	ACIMGA (Italian Manufacturers of Machinery for the Graphics, Paper and Cardboard Processing, and Converting Industry Association)
Japan	JPMA (Japan Printing Machinery Association)
Spain	Graphispac (Asociacion espanola de artes graficas, envase, embalaje, plv, embotellado yafines.)
Switzerland	Swissmem (The Swiss Mechanical and Electrical Engineering Industries)
United States	NPES (The Association for Suppliers of Printing, Publishing and Converting Technologies)



Events Supporting Recovery Efforts for the Great East Japan Earthquake

The Great East Japan Earthquake on March 11 caused unprecedented damage and the printing industry was not spared. It was therefore only natural and highly significant to hold events at IGAS2011 to support recovery efforts. These events included the East Japan Great Earthquake Press Photo Gallery and Rebuilding Support Points Rally under the theme “Hope for Future!—The Hope We Hold Together and the Future We Create Together.”

The East Japan Great Earthquake Press Photo Gallery was held with the cooperation of the Nihon Keizai Shimbun (Nikkei Inc.) under the title, “Memories: What must not be forgotten.” On exhibit were approximately 100 photos and slide shows shot by Nikkei photographers in the affected regions between the period immediately following the earthquake and tsunami up to July. The photos portrayed the indomitable resilience of the people who took the lead in recovery efforts in disaster-stricken areas. The gallery drew more than 10,000 visitors, with many recognizing once again the sheer magnitude of the damage caused by the disaster and experiencing a renewed determination to support rebuilding efforts.

A box was placed inside the gallery to receive donations, which were then turned over to the Japanese Red Cross Society through the Nihon Keizai Shimbun (Nikkei Inc.). An article about the donation was featured in the October 12 issue of the Nihon Keizai Shimbun (The Nikkei).

In addition, a panel was displayed showing Yoshiharu Komori, president of the Japan Graphic Arts Suppliers Committee, presenting donations from JGASC to the Tohoku Printers Association at “SOPTTEC Tohoku,” which was held in July 2011.

The Rebuilding Support Points Rally was a project in which visitors scanned their IC cards used for admission at six rally stations throughout the venue. Scanning their IC cards at three or more stations automatically made them eligible for a raffle. Winners received fantastic prizes which were products of the Tohoku region. A large number of people participated in the rally and the prizes received favorable comments. While the rally was intended to support recovery efforts, it also encouraged participants to move throughout the venue and visit many booths.

East Japan Great Earthquake Press Photo Gallery



Gallery Overview

Date and time: During IGAS2011

Location: East Hall 1, Tokyo Big Sight

Visitors: 10,826

Donated amount: 463,820 yen

Points Rally to support the Great East Japan Earthquake recovery



Points Rally Overview

Date and time: during IGAS2011

Location: Throughout the East Hall, Tokyo Big Sight

Participants: 7,292

Prizes: Tonino Lamborghini bicycle and survival kit on wheels with Iwate Kikumasa's water from Ryusen Cave; Tankaku-tei's Akabeko (red cow) curry from Iwate Prefecture; miso curry made by Sasacho; Morioka jajamen (noodles); Morioka reimen (cold noodles); Hitomebore rice from Miyagi Prefecture; Sasanishiki rice; apple juice from Aomori Prefecture; and assorted candies from the Tohoku region

Events hosted by the IGAS Organizer

Seminar on Japan Color Certification System and its Booth

The ISO-compliant Japan Color Certification System is based on the Japan Color for Sheet-fed Press, the standard for printing colors used in offset printing in Japan. In 2009, Process Control Ability Certification was launched, and Color Reproduction Accuracy, DDCP Machine Management and DDCP Machine Ability followed in September 2011. The Japan Color Certification System Seminar was held at the conference room on September 17. First, Mr. Mogi, chairman of the Japan Color Executive Committee, explained the history of Japan Color, the revision of the Japan Color standard Printing 2007 for Sheet-fed Press, and issues discussed at the Japan Color Review Committee. Mr. Naganuma, representing the Secretariat of the Japan Printing Machinery Association, then summarized the status of attestation

of Process Control Ability Certification and the outline of Color Reproduction Accuracy Certification.

Mr. Hashizume, vice-chairman of the Japan Color Certification Proof-working Committee, completed the seminar by outlining DDCP Machine Ability Certification and DDCP Machine Management Certification.

The seminar was attended by many enthusiastic participants, including those who intend to obtain Japan Color Certification. Participants asked so many questions that the seminar ran considerably longer than originally scheduled.

A special booth for the Japan Color Certification System was set up at IGAS2011 in East Hall No. 6 and attracted approximately 1,300 visitors.

Overview of Japan Color Certification System Seminar

Date and time: Saturday, September 17, 2011, 1:00 to 5:30 p.m.

Location: Conference Room 607 / 608, Conference Tower, Tokyo Big Sight

Participants: 216

Content: (1) ISO-compliant Japan Color for Sheet-fed Printing 2011

Masao Mogi, Manager, Quality Technology Team, Commercial Printing and Publishing Quality Assurance Section, Quality Assurance Department, Information-Related Manufacturing Division, Toppan Printing Co., Ltd.

(2) Process Control Ability Certification and Color Reproduction Accuracy Certification
Tutomu Naganuma, Japan Color chief adviser, Japan Printing Machinery Association

(3) DDCP Machine Ability Certification and DDCP Machine Management Certification
Kan Hashizume, vice-chairman, Japan Color Certification Proof-working Committee, Chief, On Demand Planning Department, Graphic Coordinate Center, Dentsu On Demand Graphic, Inc.



Masao Mogi Tutomu Naganuma Kan Hashizume



Seminar on the Environment

A seminar on the environment was held on September 18, which focused on environmental steps and goals for the printing industry. Lecture topics included:

(1) Efforts to draw up calculation criteria for greenhouse gas emissions from printing industry machinery, currently under review by the Japan Printing Machinery Association

(2) A review of environmental efforts by the printing industry and a study of how these efforts will bear fruit

The seminar attracted a number of representatives from printing industry machinery manufacturers, indicating significant interest in reducing CO₂ emissions.

Overview of the Seminar on the Environment

Date and time: Sunday, September 18, 2011, 2:00 to 4:00 p.m.

Location: Conference Room 605, Conference Tower, Tokyo Big Sight

Participants: 37

Content: Part 1: Calculation criteria for greenhouse gas emissions from printing industry machinery
Genji Tao, former secretariat, national committee for ISO/TC130

Part 2: What is the goal of environmental efforts?

Yoshiko Ohnuki, member of the Environmental Investigation Sub-committee, Technical Committee, Japan Printing Machinery Association



Genji Tao Yoshiko Ohnuki



Environment Corner

The Japan Federation of Printing Industries, the Japan Printing Machinery Association and NPO Clean Print presented a joint environmental exhibition on their own perspectives to share information for printing-related industries in the age of sustainability.

Exhibits by organization:

Japan Federation of Printing Industries: Introduction to Green Printing (GP) Certification System and display of GP-certified products

Japan Printing Machinery Association: Introduction to efforts to draw up calculation criteria for greenhouse gas emissions from printing industry machinery in order to contribute to energy conservation

NPO Clean Print: Introduction to efforts to encourage adoption of environmentally sound printing processes and certification



Advanced Technology Zone

This well-established exhibition at IGAS is highly regarded by both Japanese and overseas participants as an opportunity for academia-industry dialogue that brings together information about technological breakthroughs from research institutes with industry needs.

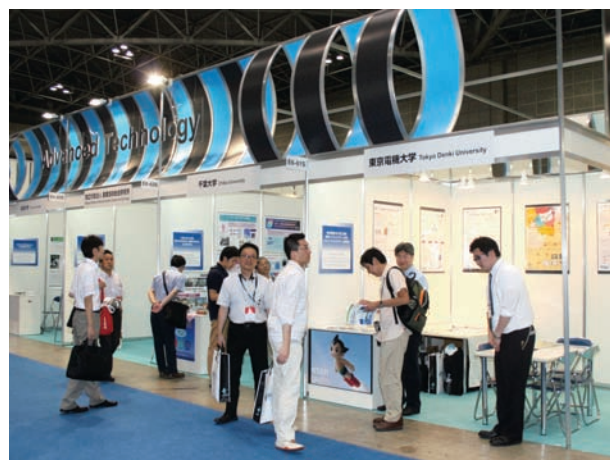
Using posters and actual samples, the zone features the latest research conducted by 13 laboratories nationwide in diverse fields such as the environment, image evaluation, color evaluation and machinery safety, more specifically, electronic patterns, production of semiconductor thin films,

organic EL devices, color electronic paper, hologram, UV curable jet ink, advanced photolithographic materials, and VOC. For these research, technologies used for printing across a wide range of fields were applied, developed and studied in depth, and some researches were directly related to improvements in current printing processes. Crowds of visitors were attracted to this zone, since these technologies represent valuable information in fields of academia not usually available to the general public.

Exhibitors, Advanced Technology Zone, Education and Training Section

Booth number	Exhibitor details
E6-61S	Tokyo Denki University School of Science and Engineering Ergonomic Design Laboratory
E6-62S	Chiba University Graduate School of Advanced Integration Science Information & Imaging Science Div. Kitamura Laboratories
E6-63S	National Institute of Advanced Industrial Science and Technology Research Institute for Environmental Management Technology
E6-64S	Tokai University School of Science Department of Chemistry Sekine Laboratory
E6-65S	Chiba University Graduate School of Advanced Integration Science Image and Materials Science Course Koseki Laboratory
E6-66S	The University of Tokyo Paper Science Laboratory Biomaterial Science Department Graduate School of Agricultural and Life Sciences
E6-67S	Chiba University Graduate School of Advanced Integration Science Faculty of Engineering Department of Image and Materials Science
E6-68S	Tokyo Institute of Technology Imaging Science and Engineering Laboratory Hanna Laboratory
E6-69S	Chiba University Graduate School of Advanced Integration Science Department of Image and Materials Science Takahara Laboratory

Booth number	Exhibitor details
E6-70S	Nagaoka University of Technology Department of System Safety System Safety Engineering Laboratory
E6-71S	Tokyo Polytechnic University Department of Media and Image Technology Display Technology and Design Laboratory Color Image Laboratory Laboratory of Electric Imaging
E1-62S	Japan Printing Academy (JPA)
E1-64S	Tokyo Metropolitan Chuo-Johoku Vocational Skills Development Center Tokyo Vocational Ability Development School for the Disabled



Digital Publishing Corner

Electronic books began attracting significant attention in Japan last year, and this surge in popularity has made many publishers fear that electronic media will lead to the end of traditional publishing methods. At IGAS2011 we set up a special corner for visitors where a variety of eBook related products were on exhibit. In addition, the Japan Federation of Printing Industries held an IGAS2011 eBook Forum at the conference building so that visitors could study the possibilities that electronic publishing can offer the world. Because IGAS has mainly focused on exhibiting printing equipment used for paper media, the special corner stood out at the event and saw crowds of visitors who are looking for ways to bring together print and electronic media.



The Other Events during the Exhibition

Events Schedule

Forums, Seminars, International Conferences

Fri., Sept. 16	9:30-10:00	Opening ceremony	North concourse	Japan Graphic Arts Suppliers Committee
	12:30-13:30	Meeting of the All Japan Federation of Printing Industry Associations	1st floor of the conference tower (101)	All Japan Federation of Printing Industry Associations
	14:00-17:00	Forum 2011 of the officers of the All Japan Federation of Printing Industry Associations	6th floor of the conference tower (605~608)	All Japan Federation of Printing Industry Associations
Sat., Sept. 17	9:00-12:30	National training session of the All Japan Federation of Printing Industry Associations	6th floor of the conference tower (609)	All Japan Federation of Printing Industry Associations
	10:30-12:30	Seminar on the second-term invitation of the Adobe License Program of the All Japan Federation of Printing Industry Associations	6th floor of the conference tower (605)	All Japan Federation of Printing Industry Associations
	10:30-12:00	The general secretaries meeting of the Global Print	1st floor of the conference tower (102)	Japan Printing Machinery Association
	16:00-17:00	The presidents meeting of the Global Print		
	13:00-17:00	Japan Color Certification System Seminar	6th floor of the conference tower (607・608)	Japan Printing Machinery Association
Sun., Sept. 18	10:00-12:30	IGAS2011 International Forum on the Environment - The Future of Paper Media in the Age of Sustainability -	6th floor of the conference tower (607・608)	Clean Print, NPO Japan Graphic Arts Suppliers Committee
	14:00-16:00	Seminar on Environment	6th floor of the conference tower (605)	Japan Printing Machinery Association
Mon., Sept. 19	9:00-17:40	The 2011 Asian Symposium on Printing Technology - Fundamental Science and Technology of Printing and Divers Printing Applications -	6th floor of the conference tower (609)	Japanese Society of Printing Science and Technology Japan Graphic Arts Suppliers Committee
Tue., Sept. 20	9:30-12:30	2011 Autumn seminar - Evolution into Cross-media Solution Providers -	6th floor of the conference tower (609)	Japanese Society of Printing Science and Technology Japan Graphic Arts Suppliers Committee
	14:00-17:00			
	13:00-15:00	Meeting of the All Japan Federation of Printing Industry Associations	6th floor of the conference tower (605)	All Japan Federation of Printing Industry Associations
Wed., Sept. 21	14:45-19:30	Ceremony and Party commemorating the printing culture exhibition for 2011	Hotel New Otani	Japan Federation of Printing Industries
	10:00-13:00	IGAS eBook Forum - Present Situation and Future of Electronic Publishing from the Perspective of Printing Companies -	6th floor of the conference tower (607・608)	Japan Federation of Printing Industries Japan Graphic Arts Suppliers Committee

Forum 2011 of the All Japan Federation of Printing Industry Associations

Forum 2011, held by the All Japan Federation of Printing Industry Associations, the largest event at this year's exhibition by them, took place on the sixth floor of Tokyo Big Sight at 2:00 p.m. on Friday, September 16, 2011 and saw the attendance of 510 people.

In his opening remarks, Chairman Mitsuhiro Mizukami said, "The business environment surrounding the printing industry now faces incredibly difficult times, and conventional business models are no longer effective. So what should we do? I've always insisted that new value lies in creation. We cannot establish new business models unless we think about the future from the perspective of the present. At today's seminar, I hope attendees discover new ideas and can use them in their businesses."

In the first part of the forum, Makoto Hagiwara of the All Japan Federation of Printing Industry Associations and chairman of the Business Category Reform Promotion Group, announced the "Highlights of Business Category Reform Implementation Plan—All Japan Federation of Printing Industry Associations Plan for 2012," which had been drawn up by the Business Category Reform Promotion Group. He also put forth a proposal to set specific action plans for the implementation, continuation and firm establishment of business category reform. This was followed by the Printing Industry Vision Research Group's presentation under the theme "Considering the Future of the Printing Industry together with Printing-related Industries." After Hiroki Hanazaki, chairman of the Printing Industry Research Group, explained the purpose of the presentation, each of the committee's research groups offered their suggestions under three themes: "Measures to Curb the Decrease in Printed Materials," "Measures to Expand the Use of Printed Materials," and "Measures to Develop Solutions."

In the second part of the forum, at an overseas business research lecture entitled "Growth Strategies and Realities of the Wilen Group, a Printing Company in the US," Darren Wilen, president of the Wilen Group, talked

about achievements made in business category reform at his company as well as the need for appropriate management strategies. The Wilen Group entered the printing business when it began producing a cable television guide for US television network HBO. As demand for TV guides plummeted in the digital broadcasting era, the Wilen Group quickly took a plunge

into business category reform. For three consecutive years, the Wilen Group has been one of the top 5,000 rapidly growing companies in the US. This marketing service provider offers business strategies, creative resources, data analysis services and cutting-edge printing services to comprehensively fulfill the needs of a wide range of customers. In his lecture, Mr. Wilen discussed the environment of US printing companies that have achieved high levels of success as well as continual growth as marketing service providers. He also talked about the status of the US printing industry and the efforts and strategies of the Wilen Group. The audience listened attentively and then eagerly asked questions during the Q&A session as Mr. Wilen took the time to give detailed answers. Chairman Mizukami presented a gift to Mr. Wilen to show the federation's gratitude at the end of the forum, which concluded on a high note of success.



president of the Wilen Group
Darren Wilen



The 2011 Asian Symposium on Printing Technology -Fundamental Science and Technology of Printing and Diverse Printing Applications-

The 2011 Asian Symposium on Printing Technology marked the second international symposium held by the Japanese Society of Printing Science and Technology, following the Asian Symposium in 2010. Researchers from Asian countries involved in commercial printing and new application technology reviewed the significance of printing technology in international society, particularly in Asia. Attendees were also able to gather information about new industrial fields where printing technologies are being used.

On September 19, the fourth day of IGAS2011, lectures were given in Conference Room 609 of the Tokyo Big Sight Conference Tower. Keynote lectures included “A quest for better textile printed quality: from inkjet chemistry to textile surface modification” by Suda Kiatkamjornwong (Chulalongkorn University, Thailand); “A view on technological

evolution and perspective of graphic communication” by Jia-Ling Pu (Beijing Institute of Graphic Communication, China); “Recent trends in printed electronics in Korea” by Changhee Lee (Seoul National University, South Korea); “Flexible and printed electronics as realization of nano science and technology” by Kiyoshi Yase (Nanosystem Research Institute, National Institute of Advanced Industrial Science and Technology, Japan); “The development and future trends of Taiwan’s printing industry” by Cheng-Hsiung Chen (Printing Technology Research Institute, Taiwan); and “Current situation of the printing industry and fundamental research of paper in Indonesia” by Taufan Hidayat (Center for Pulp and Paper, Ministry of Industry, Indonesia). Two speeches and six poster presentations were delivered in addition to these six keynote lectures.

Guest speakers are listed below.

Suda Kiatkamjornwong	Thailand	Professor, Chulalongkorn University
Jia-Ling Pu	China	Professor, Beijing Institute of Graphic Communication
Changhee Lee	South Korea	Professor, Seoul National University
Kiyoshi Yase	Japan	Director, Nanosystem Research Institute, National Institute of Advanced Industrial Science and Technology
Cheng-Hsiung Chen	Taiwan	Director, Printing Technology Research Institute
Taufan Hidayat	Indonesia	Researcher, Center for Pulp and Paper, Ministry of Industry



IGAS2011 eBook Forum -The Present and Future of Electronic Publishing from the Perspective of Printing Companies-

The IGAS2011 eBook Forum was held by the Japan Federation of Printing Industries on September 21, 2011, the final day of IGAS, in Conference Rooms 607 and 608 in the Conference Tower. The venue, with a capacity of 160, was packed to overflowing despite the approach of typhoon 15, demonstrating the strong interest in this field. Experts at the forefront of the eBook business in five countries, China, India, Italy, South Korea and Thailand, were invited to give presentations on the current status and challenges of e-books in their respective countries. Yashio Uemura, director of the Tokyo Denki University Press, moderated a panel discussion after their presentations.

According to the results of an audience survey, 44% of those surveyed thought that e-books would grow rapidly (7.7 billion yen in 2010 to 165 billion yen in 2015) while 44% responded with “not sure,” which revealed their uncertainty about the future of e-books but not necessarily a negative outlook. Responses to the question of whether printing companies could have a significant

role in e-books were equally divided among “yes,” “no” and “not sure.” Despite the varying opinions about e-books, 43% indicated they would “make enthusiastic efforts” in the e-book business, while 32% would “make some degree of effort” and 8% would “make no effort.” Certainly there are unforeseeable factors, but a positive attitude toward taking part in the e-book business could clearly be seen in the survey results.

Presenters

Hao Zhensheng, President, Chinese Academy of Press & Publication
 Satish Malhotra, President, Swan Press Co.
 Gabriele Rebagliati, Graduate School of Letters, Chuo University;
 Agent Zoolibri, Italy,
 Zed G.C. Park, General Manager, Docuhut
 Supree Thongpetch, Managing Director, Colour Doctor Co., Ltd.
 Moderator: Yashio Uemura, Director, Tokyo Denki University Press

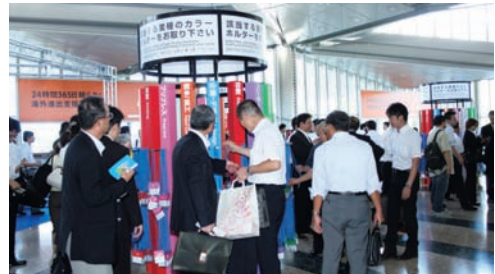


Review of the Exhibition

New Admission System

IGAS2011 adopted a new admission system using IC rail cards such as Suica and PASMO. The system allowed visitors to enter the venue more smoothly and allowed the show management office to track the number of visitors in real time. Visitors could enter the venue by simply pressing their IC rail

cards to the IC card readers installed at the admission gate. In addition, a system was programmed that allowed visitors to participate in the East Japan Great Earthquake Recovery-supporting Points Rally using their IC rail cards.



Power Saving at IGAS2011

The following actions were taken at IGAS2011 to reduce power consumption by 15% compared to usual power use.

Common Areas

- Ceiling lights in common areas were partly turned off.
- Air conditioners in common areas were turned off during booth set up and dismantling and were set at 28°C during the exhibition.
- Moving sidewalks were turned off.
- Some escalators were turned off.

Exhibition Halls

- Ceiling lights in the exhibition halls were set at a level of about 50% brightness while booths were set up or dismantled and at about 75% during the exhibition.
- Air conditioners in the exhibition halls were turned off while booths were set up or dismantled and set at a standard level during the exhibition.
- Many LED lamps were used at the exhibition and in other locations.

Cooperation Requested to Exhibitors

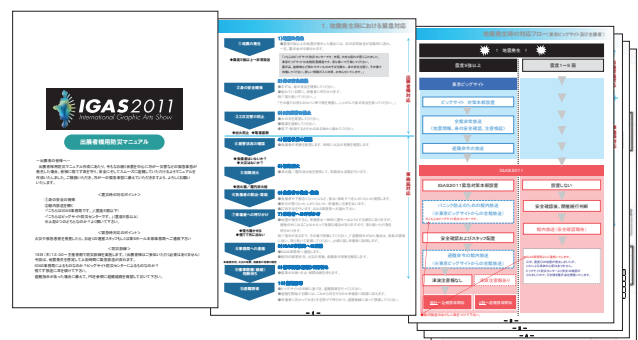
- Reduce power consumption
- Adopt "Cool Biz" style (business casual attire)



Emergency Procedures

During IGAS2011, we established emergency procedures including an emergency operation governance including disaster communication networks, prepared an emergency manual and distributed it to those involved in organizing the exhibition, and conducted disaster-prevention drills to prepare for any emergency situations in cooperation with Tokyo Big Sight Inc.

When typhoon 15 hit the Kanto region on the final day of the show, the emergency operation team members had met on the previous day to discuss countermeasures. On September 21 we provided information to visitors and exhibitors and took precautions for dismantling and removing the exhibits.



Number of Exhibitors and Booths

	IGAS2011		IGAS2007	
	Number of companies	Number of booths	Number of companies	Number of booths
Exhibitors from Japan	302	2,601	486	4,630
Exhibitors from overseas	25	139	64	180
Total	327	2,740	550	4,810

- Exhibitors from overseas were non-Japanese companies that participated in the exhibition independently, not by way of corporate entity in Japan or a Japanese trading company.
- Total joint exhibitors: 32 in 2011 and 68 in 2007

Visitors

Total visitors by day

Despite the poor weather conditions due to typhoon 15 hitting the Kanto region, many more people than expected visited on September 21, the final day of the event.

Date	Weather	Total number of visitors	(Visitors from overseas)
Friday, September 16	Sunny	14,086	1,263
Saturday, September 17	Sunny	21,154	2,024
Sunday, September 18	Sunny	12,908	1,164
Monday, September 19	Sunny	9,811	798
Tuesday, September 20	Rainy	9,021	322
Wednesday, September 21	Storm	6,574	254
Total		73,554	5,825

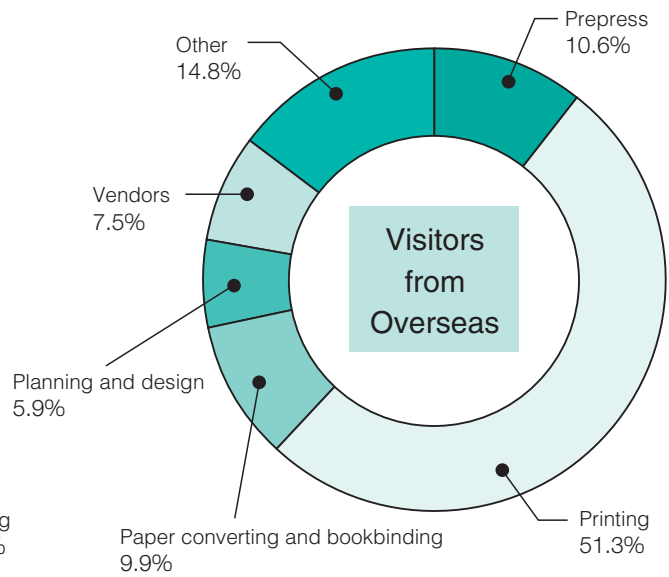
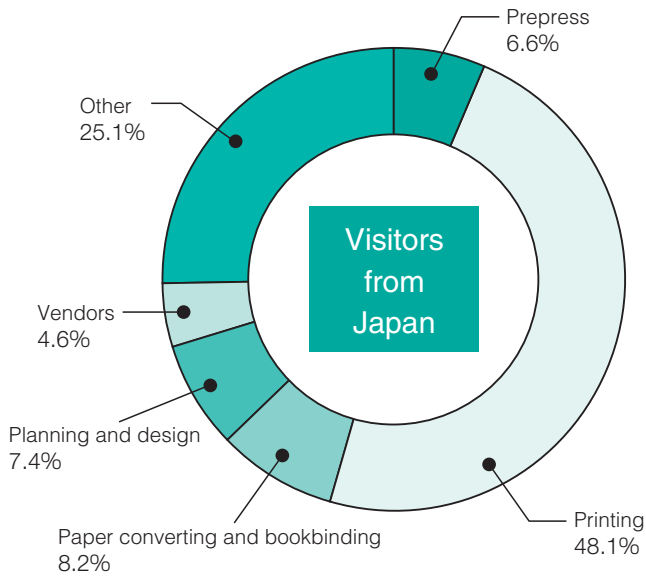
Total visitors: Compared to previous show

	IGAS2011		IGAS2007	
	Number of visitors	Number of countries	Number of visitors	Number of countries
Total number of visitors	73,554		130,164	
(International visitors)	(5,825)	(57)	(12,852)	(76)
Asia	5,043	19	9,573	18
North America	153	2	412	2
Central and South America	64	5	529	10
Europe (including Russia)	424	19	1,794	28
Oceania	39	2	274	4
Middle East	91	8	239	10
Africa	11	2	12	4
Unknown	0	0	19	0

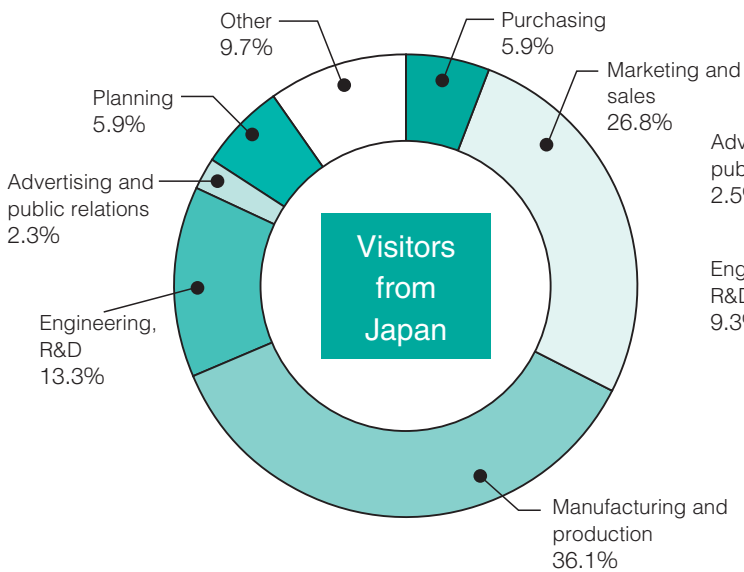
Review of the Exhibition

Participant Survey

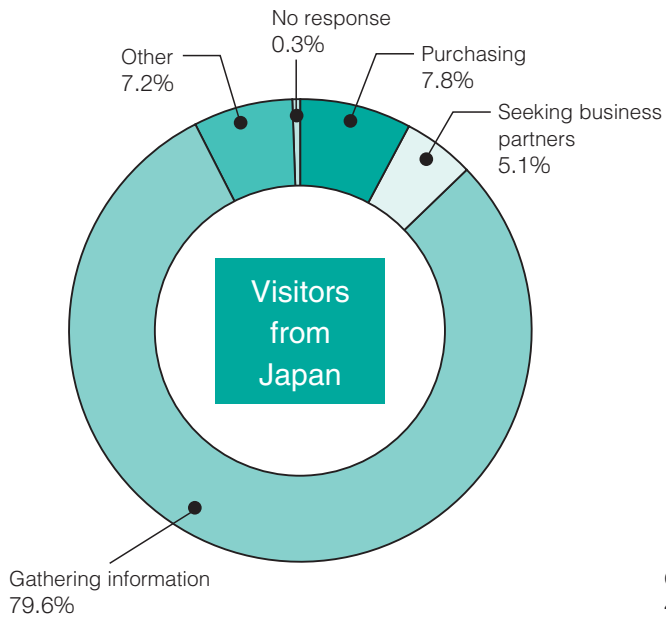
Participants by Field of Business



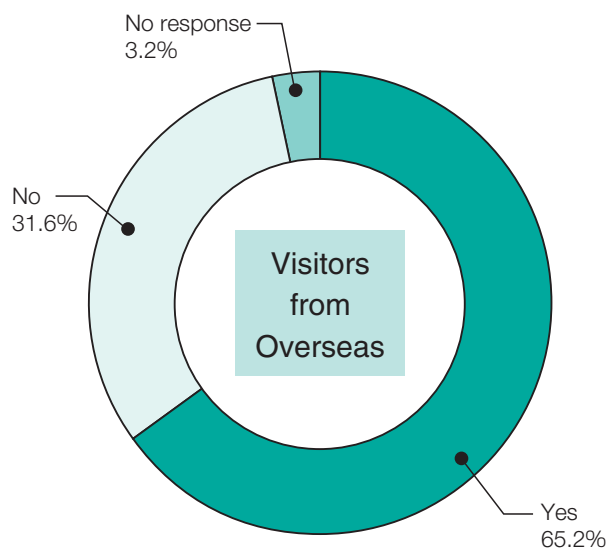
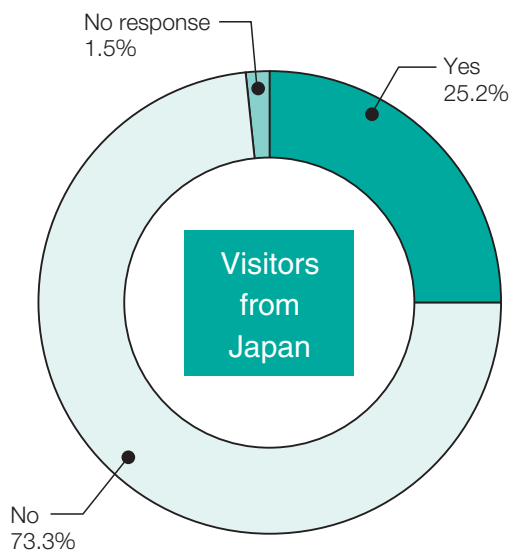
Participants by Occupation



Reason for Attending IGAS2011



Authorized to Make Purchasing Decisions



*Participants with the authority to make purchasing decisions are executives, persons in charge of purchasing, etc.

■ On websites

- Article appeared

Excite, goo Business EX, Infoseek, asahi.com, @nifty business, Rakuten Woman, Diamond Media, RBB TODAY, Mapion News, mediajam, (newschina JChere, Biz-Insight, etc.

■ IGAS2011 website

<http://www.igas-tokyo.jp>

The website posted an overview of the exhibition, a list of exhibitors, floor plan, events and seminars, and information for exhibitors and the media, as well as information about exhibitor registration and reserving admission tickets, applications for seminars, and other services that could be conducted online.



website

■ Printed Materials

- IGAS2011 posters
- Invitation tickets

Included an outline of the event and registration process, a transportation guide to the venue and a survey. At the time of admission, participants filled out the survey, detached it, and placed it in a collection box.

- IGAS Report

Included an outline of the event, a summary of the events, the Guide to Sightseeing Spots in Tokyo and a list of exhibitors. Four issues were published and distributed prior to the event, free of charge.

- Official Catalogue of IGAS2011

Included an outline of the event, a list of organizers, event details, a list of exhibitors, a floor plan, corporate advertisements and other content. It was published in English and Japanese and available for purchase onsite.

- Exhibition Guide

Included a list of exhibitors, a floor plan of participant booths, corporate advertisements and other content. It was published in English and Japanese and available free of charge onsite.

- "IGAS Live" Daily News Bulletin

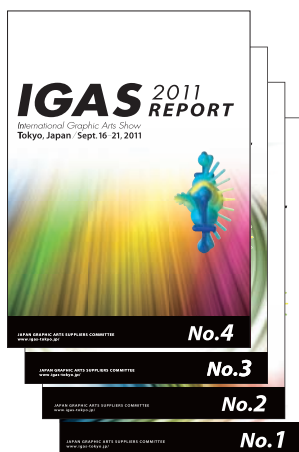
This news bulletin carried articles about the events that took place at IGAS2011, corporate advertisements and other content. Five issues, published in English and Japanese, were available free of charge onsite.



Exhibition Guide



IGAS2011 posters



IGAS Report



Daily News



Official Catalogue of IGAS2011



Invitation tickets

Review of the Exhibition

Video Shooting and Distribution Service

A service for preparing PR videos for exhibitors before or during the event was available for posting content along with banner advertisements on the IGAS2011 website. The service received many compliments from the exhibitors who used it.



Chemistry-free CTP system that continues to evolve by Agfa Graphics N.V.



AirAKI® DRY Fog Industrial Humidification System by Kauchi & Co., Ltd.



White Paper Factory by Pitney Bowes Japan Co., Ltd.



Introduction to Display Tools including 3D Media by INTER COSMOS Co., Ltd.



J-Color System that accurately controls ink amounts with a divided ductor roller mechanism by I.Mer Co., Ltd.



Komori Solutions by Komori Corporation



RYOBI 928P with LED-UV Printing System, A1-Size 8-Color Offset Press with convertible perfecting device by Ryobi Limited



Solutions for quality and added value by Hirose Iron Works Co., LTD



Ueno Package Solutions by Ueno Corporation



Kodak Prosper 1000 Press by Kodak Japan Ltd.



Glue Monitor GM6600 by Nireco Corporation



FotoMount F32™ photo album binding machine by Superfax International Corporation



MASTER BLANKER, high speed blanking system by LASERCK CORPORATION



DBMi Saddle System, saddle stitching system by Duplo Corporation



TS 115 high-speed guillotine produced by PERFECTA by K's Company Ltd.



Jet Press 720 by FUJIFILM Graphic Systems Co., Ltd.



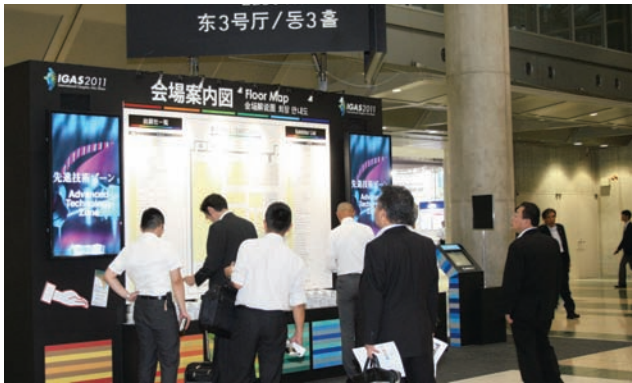
PROOF MASTER, new ink jet proofing system by Dainichiseika Color and Chemicals Mfg. Co., Ltd.



ColorEdge CG275W/ColorNavigator Ver. 6 by Eizo Nanao Corporation

Digital Signage display

Digital signage displays were installed at the main gate, in 6 locations in the Galleria, gates at Halls 1 and 4, and gate 3.6 to display IGAS2011 themes, an outline of the event, seminar and event announcements, requests to reduce power consumption and other content. In addition, news was broadcast live for five minutes every hour. Particularly on the final day of the event, many visitors watched for information about the typhoon 15.



Exhibitor Search and Restaurant & Traffic Guide Terminal

Many visitors used terminals that had been installed at 21 locations throughout the venue to search for exhibitors, booth locations, facilities inside and around Tokyo Big Sight, public transportation and other information.



IGAS2011 Foreign Press Conferences

Foreign Press Conferences were held on July 28 and 29, 2011. Media representatives were invited, primarily from Asian countries, and encouraged to report on IGAS2011 in their respective countries.

On the first day of the event, we provided a presentation on IGAS2011 and products of major exhibitors. On the second day, tours of the Fuji Xerox Customer Value Creation Center, the Newspaper Museum, and the FIS Digital Production Center were offered.

Participating Media: 9 journalists from 6 countries

- PEIAC (China), China-Japan-Korea Association for Economic Development (China),
- Graphic Arts Association Bulletin (Hong Kong), Graphic World Monthly (South Korea),
- The Printing Times (South Korea), Printer's Magazine (Taiwan), Philippine Printer (The Philippines),
- Indian Printer & Publisher (India), Australian Printer (Australia)



Activities at International Exhibitions to Attract Potential Exhibitors and Visitors

PR activities were conducted at drupa 2008, China Print 2009, Ipex 2010 and Print China 2011 to attract potential exhibitors and visitors.

Exhibitors List

A	
ACCO Brands Japan K.K.	E1-7
ADSTEC Corporation	E5-17-1
AFIT CORPORATION	E5-14
Agfa Graphics N.V.	E4-2
AJUHITEK INC.	E5-25
Akiyama International Co., Ltd.	E6-17
ALL JAPAN FEDERATION OF PRINTING INDUSTRY ASSOCIATIONS	E6-81S
ALPHA ENGINEERING CO., LTD.	E3-28
Anri machinery Co., Ltd.	E1-32
aram Corporation	E5-51
ART WATANABE CO., LTD.	E3-29
ASAHI KASEI E-MATERIALS CORPORATION	E5-31
ASAHI MACHINERY LIMITED	E1-15
ASANO LABORATORIES CO., LTD.	E3-25
ASCON CO., LTD.	E6-53S
ASYS CO., LTD.	E3-23
AVATAACK CO., LTD.	E4-22

B	
BALDWIN-JAPAN LTD.	E2-13
Becker Airtechno Co., Ltd.	E5-39
Beijing Kangde Xin Composite Material Co., Ltd.	E4-11
Beijing Shengli Weiye Printing Machinery Co., Ltd.	E4-14
BELPAC CO., LTD.	E6-4
Bielo Japan Co., Ltd.	E3-10
BN TECHNOLOGY CORPORATION	E1-37
BST Japan Ltd.	E6-21

C	
C. ILLIES & CO., LTD.	E5-6
CANON FINETECH INC.	E1-41
Canon Marketing Japan Inc.	E2-2
CARDINAL CO., LTD.	E1-26
CGS Japan, Inc.	E5-53
Chiba University, Graduate School of Advanced Integration Science, Faculty of Engineering, Department of Image Sciences	E6-62S
Chiba University, Graduate School of Advanced Integration Science, Information & Imaging Science Div., Kitamura Laboratory	E5-29
CHUWA CO., LTD.	E1-61S
CIP4	E3-28
COLOR STATION CO., LTD.	E4-23
Colorific ink	E4-12
COMTECS CO., LTD.	E2-19
ContiTech Elastomer-Beschichtungen GmbH	E1-51
COSMO SOUND CO., LTD.	E3-36
COSMOTECH CO., LTD.	E6-18-1
Cross-link Pacific, Inc.	

D	
DAC ENGINEERING CO., LTD.	E6-4
DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD.	E5-4
DAINIPPON SCREEN MFG. CO., LTD.	E3-2
DAITSU MACHINERY CO., LTD.	E1-36
Day International K.K.	E2-14
DEUBLIN JAPAN LIMITED	E6-20
DIC Graphics Corporation	E5-36
Digital Planning Works Core Corporation	E5-55
DKSH Japan K.K.	E1-6
DONGGUAN HUAKANG ADHESIVE FACTORY	E6-12-1

Du Pont Kabushiki Kaisha	E2-24
Duplo Corporation	E5-2
DYNIC CO., LTD.	E5-57

E	
EASTECH CORPORATION	E1-21
Eiwa Machinery Co., Ltd.	E1-43
EIZO NANO CORPORATION	E5-48
Electronics For Imaging Inc.	E4-4-3
Environment Area	E1-71S
Epson Sales Japan Corporation	E4-4
Erhardt+Leimer GmbH	E5-56
Erhardt+Leimer Japan Ltd.	E5-56
ERO s. r. l.	E1-38
Esiko-Graphics Co., Ltd.	E3-3
ESU. KEI. WAI, CO., LTD.	E5-46
EYE GRAPHICS CO., LTD.	E2-41

F	
Folex Ltd.	E5-42
Forbo Siegling Japan Ltd.	E3-30
Founder International Inc.	E5-30
Fuchu Shiko Co., Ltd.	E1-11
FUJIFILM Corporation	E5-1
FUJIFILM GRAPHIC SYSTEMS CO., LTD.	E5-1
FUJIFILM Simple Products Co., Ltd.	E5-1
FUJI KIKAI CO., LTD.	E2-32
FUJI YUATSU SEIKI CO., LTD.	E5-56-1
FUJIKURA RUBBER LTD.	E3-9
FUJIPLA Inc.	E4-32
FUJITSU LIMITED	E4-24
Fukuda Hamono Kogyo	E6-10

G	
Gadelius K.K.	E2-23
GE KIKAKU CENTER INC.	E3-31
GICS Co., Ltd.	E5-47
Global Print	E6-86S
GMG GmbH & Co. KG	E2-12
GOO CHEMICAL CO., LTD.	E6-4
GOSS GRAPHIC SYSTEMS JAPAN CORPORATION	E6-18
GRAPAC JAPAN CO., INC.	E5-52
GS Yuasa International Ltd.	E5-22
GTB CO., LTD.	E1-19

H	
H.IKEUCHI & CO., LTD.	E6-6
HAMAMATSU PHOTONICS K.K.	E3-25-1
Hanna Laboratory, Imaging Science and Engineering Laboratory, Tokyo Institute of Technology	E6-68S
Haosheng Printing Machinery Co., Ltd.	E6-5
HATTEN CORPORATION	E2-7
HEIDELBERG JAPAN K.K.	E6-1
Heiwa Machinery Co., Ltd.	E2-18
Hell Gravure Japan Co.	E6-14
Heraeus K.K.	E4-4-1
Hewlett-Packard Japan, Ltd.	E4-5
HIROSE IRON WORKS CO., LTD.	E6-4
Hokkatsu Co., Ltd.	E6-9
HOLOGRAM WORKS Co., Ltd.	E5-49
HORI IRON WORKS CO., LTD.	E4-28
Horizon International, Inc.	E2-3
HOYA CANDEO OPTRONICS	E5-13

I	
I. Mer CO., LTD.	E6-4
IGT Testing Systems	E4-30
Inter Cosmos Corporation	E6-11
INTERTECK CO., LTD.	E3-32
IPF Inc.	E1-28
Isaberg Rapid AB	E4-18
ISSEIDO CO., LTD.	E6-19
ITOTEC CO., LTD.	E2-34
IWAHASHI CORPORATION	E2-22
IWAI TSUSHO K.K.	E1-22
IWASAKI TEKKO CO., LTD.	E3-37

J	
Japan Color Certification Systems	E6-88S
Japan Federation of Printing Industries (JFPI)	E6-82S
JAPAN OFFICE LAMINATOR INC.	E2-39
Japan Paper Converting Machinery Group	E1-40
Japan Printing Academy	E1-62S
Japan Waterless Printing Corporate Association (JWPA)	E5-6
JAY ENTERPRISES, LIMITED	E1-34
Jepic Co., Ltd.	E1-32
JetGraph Co., Ltd.	E6-13
Jfils Co., Ltd.	E5-21
JOINUP CORPORATION	E1-35
JPE CO., LTD.	E3-27
JUJO CHEMICAL CO., LTD.	E3-11

K	
K's Company Ltd.	E1-28
KANEFUSA CORPORATION	E3-17
KATSUDA WORKS CO., LTD.	E2-38
KATSURA ROLLER MFG. CO., LTD.	E3-35
KATSURAGAWA ELECTRIC CO., LTD.	E5-7
Kayo Printing Co., Ltd.	E3-20-1
KGK INC.	E1-45
KIDA IRON WORKS CO., LTD.	E6-4
KIMOTO CO., LTD.	E5-4
KING CORPORATION LIMITED	E2-16
KINSEISHA CO., LTD.	E3-26
KINYOSHA Co., Ltd.	E3-20
KITO CORPORATION	E1-46
KK ENTERPRISE CO., LTD.	E4-21
KNF JAPAN CO., LTD.	E1-29
KOBUNDO CO., LTD.	E3-41
Kodak Japan Ltd.	E1-2
KOMORI CORPORATION	E3-1
Konica Minolta Business Technologies, Inc.	E1-1
KONOHANA CO., LTD.	E2-28
KOSEKI Laboratory, Image and Materials Science Course, Graduate School of Advanced Integration Science, Chiba University	E6-65S
Koutoukinseisya Co., Ltd.	E3-8
KOYO CHEMICALS INC.	E5-19
Kuboi Ink Co., Ltd.	E3-7
KUDO IRON WORKS CO., LTD.	E2-33
KURABO INDUSTRIES LTD.	E5-23
KURZ JAPAN LTD.	E1-27

L	
LASERCK CORPORATION	E1-14
LINTEC Corporation	E3-5
Lohas Print, Inc.	E2-9

M	
MARUSHO CO., LTD.	E1-44

MASAGO AND COMPANY, INC.	E3-33
Masterwork Machinery Co., Ltd.	E4-8
MCK CO., LTD.	E4-29
MEGAMI INK MFG. CO., LTD.	E5-15
MEIJI RUBBER & CHEMICAL CO., LTD.	E1-42
MEIWA RUBBER CO., LTD.	E3-12
MENITEC CO., LTD.	E1-30
Messe Duesseldorf Japan Ltd.	E6-85S
Metalstic Co.	E4-19
Micro Technica Co., Ltd.	E1-23
MIMAKI ENGINEERING CO., LTD.	E4-4-3
MINAMI SEIKI CO., LTD.	E3-6
MINO SHOJI CO., LTD.	E1-18
Mireco Co., Ltd.	E5-10-1
Mitani Co., Ltd.	E3-14
Mitec corporation	E2-29
Mitsubishi Paper Mills Ltd.	E5-5
MIYAKOSHI PRINTING MACHINERY CO., LTD.	E6-3
MLC CO., LTD.	E5-45
MLC-Tech Co., Ltd.	E5-45
MOOKOONGHWA LABEL	E6-22-1
Morisawa Inc.	E4-3
MOTOYA Company Limited	E4-7
Muller Martini Japan Ltd.	E5-3
MURATA KIMPAKU CO., LTD.	E1-24
MUSASHI CO., LTD.	E5-57
MUTECH Co., Ltd.	E3-4

N

N.GeN Corporation	E6-54S
Nagai Machinery Co., Ltd.	E1-11
NAGANO KIKAI CO., LTD.	E6-7
NAKATANI CO., LTD.	E5-43
NEXUS CO., LTD.	E1-30-1
nifudayahonpo	E1-25
NIHON RANKEI KOGYO CO., LTD.	E2-17
Nihon Seizuki Kogyo Co., Ltd.	E3-40
NIKKA LIMITED	E5-35
Nikken Chemical Laboratory Co., Ltd.	E5-8
Nikko Machinery Ltd.	E2-7
Nikuni Co., Ltd.	E1-12
NIPPON LITHOGRAPH. INC.	E3-34
NIRECO CORPORATION	E5-27
NISHIOKA MFG. CO., LTD.	E2-32
NITTA CORPORATION	E5-59
NPES	E6-84S

O

OHNISHI KIKAI Co., Ltd.	E2-28
Onda Mfg. Co., Ltd.	E3-38
ORION MACHINERY CO., LTD.	E5-43
Osaka Prefectural Government	E6-83S
OSAKO & CO., LTD.	E2-10
OTOKO MACHINERY WORKS, LTD.	E3-22

P

Pacific Chemical Co., Ltd.	E3-19
Pepperl + Fuchs K.K.	E5-26
PERFECTA	E1-28
PETRATTO srl	E1-21
Photobook Technology PBT Sagl	E3-10
Pictorico Co., Ltd.	E5-33
Pitney Bowes Japan Corporation	E4-6
PLUS ALPHA ENTERPRISE CO., LTD.	E4-21
Printcity Co., Ltd.	E4-20
Printec International, Inc.	E5-40

PRINTING & BOOKBINDING	E2-42
MACHINE CO., LTD.	
Printing Equipment Industries	E6-87S
Association of China	
PRINTPAC INC.	E5-34
PROSPER CREATIVE CO., LTD.	E4-4-2
PSC CO., LTD.	E5-58

Q

QUAD / TECH. INC.	E2-40
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R

Research Institute for Environmental	E6-63S
Management	
RICOH Company, Ltd.	E6-2
RICOH JAPAN Corporation	E6-2
RISO KAGAKU CORPORATION	E5-32
Roland DG Corporation	E3-29
RUSHRUN Co., Ltd.	E2-51
RYOBI LIMITED.	E4-1
Ryomo Systems Co., Ltd.	E5-54

S

Sakurai Graphic Systems Corporation	E2-1
SANKI MACHINERY CO., LTD.	E3-13
SANKOH CO., LTD.	E6-9
SANWA MFG. CO., LTD.	E1-5
SANWACOKEN	E2-36
SASAOKA KOGYO CO., LTD.	E2-27
Seed Industrial Designing Co., Ltd.	E5-50
SEIKO ADVANCE LTD.	E3-24
Seiko I Infotech Inc.	E5-18
SEIREN CO., LTD.	E5-11
Senoo Seisakusho	E1-11
Shanghai UPG International Trading Co., Ltd.	E4-17
Shibahashi Co., Ltd.	E5-23
SHIKI CORPORATION	E6-55S
SHIMADZU SYSTEM SOLUTIONS CO., LTD.	E4-10
SHINODA & CO., LTD.	E5-38
SHOEI Machinery Mfg. Co., Ltd.	E2-4
SHOWA CO., LTD.	E1-9
Signtak Co., Ltd.	E5-17
SITMA JAPAN K.K.	E4-9
SK Sales and Service Co., Ltd.	E6-8
SKIT CO., LTD.	E5-20
Society for the Study of Printing	E1-63S
SOME GIKEN 2nd Co., Ltd.	E5-44
STARTIALAB INC.	E6-52S
SUGA MANUFACTURING CO., LTD.	E1-17
SUGATSUNE KOGYO CO., LTD.	E4-26
SUN Engineering Co., Ltd.	E1-20
SUNRISE COMPANY LIMITED	E6-15
Superfax International Corp.	E5-16
System Safety Engineering Laboratory,	E6-70S
Nagaoka University of Technology Department	
of System Safety, Faculty of Management of	
Technology, Nagaoka University of Technology	

T

T & K TOKA CO., LTD.	E5-28
TAIYO KIKAI LTD.	E2-37
TAKAHARA Laboratory, Department of Image	E6-69S
and Materials Science, Graduate School of	
Advanced Integration Science, Chiba University	
Takano Machinery Works, Co., LTD.	E5-24
Takara Seisakusho	E1-11
TAKE INC.	E4-31

TANAKA SANGYO CO., LTD.	E2-8
TECHKON Japan Co., Ltd.	E3-15
TECHNO ROLL CO., LTD.	E3-16
technotrans asia-pacific limited	E3-18
Teckwah Value Chain Japan Co., Ltd.	E2-6
TGM CO., LTD.	E5-12
The University of Tokyo Paper	E6-66S
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