



NEWS LETTER 2007

SPE Japan Section:

Osaka: Osaka Municipal Technical Research Institute, 1-6-50 Morinomiya, Joto-ku, Osaka, Japan 536-8553
 Tokyo: Plastics Age Co, Ohkouchi Bil. 5F, Kajichou 1-10-6 Chiyoda-Ku, Tokyo, Japan 101-0044

NEWSLETTER

2006.7-2007.6

The revision of Bylaws

The revision of Bylaws (certificate of incorporation) was executed in the United States headquarters in May, 2006. The draft in Japan was completed at the end of June in 2006.

In the SPE Japanese Section general meeting on September 27, the inauguration of a new Bylaws was approved. Japan Section will report the new Bylaw after translating into English for HQ.

The 50th anniversary in SPE Japan section establishment

Japan Section had the 50th anniversary in establishment of SPE Japan Section in 2007. The organization celebrated the 50th anniversary in establishment of SPE Japan Section and held the RETEC in October 19,2007 at the centennial Hall of Tokyo Institute of Technology simultaneously.



50th anniversary October 19,2006

There were two memorial lectures, one was "Trend of the plastic molding processing technology: around development with auto parts" by Tadamoto Sakai of previous Japan Steel Works and SPE fellow. Other was "Technical innovation of plastic industry and view in the future" by Susumu Nagai of previous Osaka Cou laboratory society and SPE member.



In addition, SPE Japan Section gave the service prize to 7 members, Mr.Takashima, Mr.Nagai, Mr.Harada, Mr.Ogino, Mr.Chujou, Mr.Asayama, and Mr.Kanai for their long term contribution of the Section. On the other hand, the 50th anniversary was celebrated and Award was sent from the United States headquarters to Japan Section as a representation of SPE President, Mr Tim Womer by Mr. Ishikawa.

CD-ROM for memorial

SPE Japan Section prepared CD-ROM for the pdf file as another memorial event including about 450 pages of the 30th made anniversary magazine, English and Japanese newsletter, and the memorial pictures.

Presentation by SPE President and Mr.Tim Womer.

Mr.Timothy Womer of the SPE president in fiscal year 2006 came to Tokyo on December 5, 2006. He presented "Emerging Trends in Plastics Technology"



With Mr.Womer December 5, 2006.

including the following subjects:

- Plastic Nano-composites
- Carbon Nano-tubes
- Plastic Electronics
- Self Assembly
- Fuel Cells and Tissue Engineering
- High Throughput Development

Change of Tokyo Office

The office of SPE Japan Section formally, changed into Plastics Age Company Ltd., Address: 〒 101-0044

1-10-6, Kajichou , Chiyodaku, Tokyo
 Ohkochi Building 5F
 Tel: 03-3256-1951 effective from July 1, 2007.

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Amid Global Specialization in Production of Plastic Products

Report on ANTEC 2007

Hiroshi Itoh

Yamagata University

October last year marked the 50th anniversary of the founding of the SPE Japan Section, and the opportunity was taken to revise organization management and make a fresh start. This July, we entered our second year of activities under the new system.



At present, global production of plastics is continuing to grow at 5-6%/year. Almost all of this growth is derived from commodity resins, and production itself has shifted to oil-producing countries and nations with developing economies. On the other hand, molding and production of parts and components for advanced industries from high performance plastics is playing a major role in "Creative Japan," which remains a developed economy.

It is clear that a trend of global specialization polarized between these two such product groups is advancing through the plastics industry. We greatly respect the activities of SPE headquarters, which is able to obtain plastic-related information disseminated from global sources (in particular from the U.S. and Europe) in high density and in a timely manner. Events at ANTEC are not limited to merely reports of advanced research and technologies — numerous technologies receive awards and various seminars and educational programs are also conducted — there is indeed a lot that is worthy of close attention. The number of attendees from the Japan Section and the number of reports they present is increasing year upon year, and even for Japan Section Members that do not attend, they have come to feel familiar with the activities of the headquarters.

On the other hand, independent activities are held at our Japan Section every other month, and we continue to make these increasingly enriching for our members. One of our objectives for the immediate future is to disseminate the content of these to SPE Section members in other countries (not only to the U.S. and Europe, but in particular to the Asian region). We sincerely hope that all members will actively participate in the activities of the Japan Section in the future, as well as cooperate in dissemination of our information. We plan to further activate two-way information exchange with Section members not only through the Japan Section's RETEC seminar and open seminars, but also through new initiatives.

We want to play a useful role in enhancing the overall vitality of the Japanese plastics industry, which itself is at a turning point, in areas such as production, plastics processing, and logistics. We wish to continue such activities with Section executives and members united as one.

Shin-ichi Izawa

President of SPE Japan Section

During ANTEC 2007, the social meeting of SPE Japan section was held at the Chinese restaurant in Cincinnati, OH.



The participant was mainly ANTEC conference participant and the number of participants was 14 persons. The participants also were Japanese professors, researchers, consultant representatives of Japanese company in the U.S. etc. The information for plastics industry and engineering in the world including Japan and U.S. were discussed and exchanged. We had spent a pleasant and useful day. The social meeting was a great success. Finally, I greatly appreciate attending all delegates to the social meeting on behalf of an executive committee of SPE Japan section. The social gathering is also due to be held next year.



Participant for social meeting of SPE Japan section in ANTEC 2007

Name	Affiliation
Hidehito Ikeda	Tokai Rubber Industries, LTD.
Takeshi Ishikawa	Mitsubishi Chemical Group
Hiroshi Ito	Yamagata University
Yoshihiro Kayano	Mitsubishi Engineering-Plastics Corp.
Takahide Otsuka	TAKA OTSUKA ASSOCIATES, Inc.,
Kazumi Yamaguchi	Industrial Technology Center of Wakayama Prefecture
Mrs. Yamaguchi	
Masaya Kotaki	Kyoto Institute of Technology
Hiroyuki Hamada	Kyoto Institute of Technology
Masahiro Ohshima	Kyoto University
Koji Yamada	The Osaka Municipal Technical Research Institute
N.OCharoen	Kyoto Institute of Technology
Y. W. Leong	Kyoto Institute of Technology



Sunset view of Cincinnati from Riverside Drive, Kentucky. Photo: Aaron Davidson

About Event of 2006 in Japan Section .

August, December of 2006 and April, June of 2007 were Regular Technical Meeting. We had the RETEC meeting on October 2007.

Director meeting was held August, December of 2006 and February, June of 2007. General meeting was held September 2006.

Director of SPE Japan Section as July 2006-June 2007.

Last name	First Name	Company	In Charge
Izawa	Shin-Ichi	Tokyo Institute of Technology	President
Ito	Hiroshi	Yamagata University	Council
Tomari	Kiyotaka	Osaka Municipal Technical Research Institute	Secretary
Oida	Takahisa	Sumitomo Bakelite Co Ltd	Accounting Member
Katsura	Tadahiko	Packaging Science Institute	Planning VP
Kanai	Toshitaka	Idemitsu Kosan Co.,Ltd	Planning
Maeda	Kouchirou	Zeon Corporation	Planning
Harada	Toshihiko	Starlight Co.,Ltd.	Planning
Ishibashi	Junya		Planning
Kato	Kiyoo	Asahi Kasei Corporation	Planning
Sumita	Masao	Tokyo Institute of Technology	Education
Nagaoka	Tsutomu	Kobe Steel Ltd	Planning
Asayama	Motohiro	Plastics Age Co., Ltd.	News Letter Editor
Tashiro	Masahide	MSA Institute	News Letter Editor
Ogino	Kazuhiko		Auditor
Takashima	Naoichi		Adviser
Chujo	Kiyoshi		Adviser



Itoh Maeda Nagaoka Oida Tashiro back
Tomari Ishibashi Izawa Katsura Sumita front



With Mr Womer



2006.07.11
Introductory Lecture of ANTEC 2006



2006.08.11
Director meeting of Japan Section



2006.10.19
50th anniversary of Japan Section

Event in 2006

Date	Title	Presenter	Company
2006/08/11	Structure and properties of Filler Loaded Polymer	Masao Sumita	Tokyo Institute of Technology
	Dynamic percolation in conductive polymer composites filled with CB, VGCF, CNT were discussed in view points of new polymer characterization and new functional materials. Organic hybrid materials composed of polymers and low molecular weight organic molecules were applied to new damping and low frequency sound absorption materials.		
2006/08/11	The recent information about SCF foaming technology	Mende, Yukio	Products Strategy Office
	The present situation of MuCell technology with a focus on MuCell extrusion, and the outlook for MuCell extrusion and MuCell injection molding. *MuCell is Trexel trade mark.		
2006.10.19.	Past Innovations in Plastics Industry and Future Review	Susumu Nagai	Plastics Technical Association
2006.10.19.	Recent trends and topics in plastic processing technology	Tadamoto Sakai	JSW Fellow
2006.10.19.	Innovation of phase difference film for LCD and trend in the future	Kouhei Arakawa	Zeon Corp.,
2006.10..20	Surface Properties and Internal High-order Structure of Micro-patterned Polymers	Hiroshi Ito,	Tokyo Institute of Technology
2006.10..20	Design of Photonics Polymers for Optimum Birefringence and its Application	Akihiro Tagaya	JSTA
2006.10..20	The Introduction of Micro-pattern Molding & Nano-imprinting for Optical Components	Yukio Iimura	Toshiba Machine
2006.10..20	Development of Precise Optical Parts by Low Pressure Molding	Jun Watanabe,	Ricoh
2006.10..20	A Novel Cleaning System of the Mold for Optical Components	Kazuhiro Yoshizawa	Somax Co
2006.10..20	An optical compensation film "WV film" for LCDs	Tokuju Oikawa	Fuji Photo Film
2006.10..20	Development of Plastics Micro Devices with Ribs Along Both Sides	Masaya Kurokawa,	Starlite Co.
2006/12/05	Emerging Trends in Plastics Technology	Timothy Wormer	SPE President
	I would like to thank the conference committee for inviting me to speak today on a subject that is vital to the continued growth and vitality of the plastics industry and to the Society of Plastics Engineers.		
2006/12/05	Correlation between Interfacial Characteristics and Physical Properties of Graphite-Polymer Composites	Toshihiro Arai	
	Highly loaded graphite-polymer composites have been investigated, which are material for bipolar plates of Polymer Electrolyte Fuel Cell. The composites include over 60 vol% of graphite. It has been found that interfacial characteristics between graphite and polymer have strong effects on physical properties of the composites.		
2007/02/08	Application and Development of Transparent Barrier Film	S Matsuda	Toyobo
	Transparent barrier films have excellent gas barrier property. So they have been used on lots of the application for food packaging recently. But, it is important to use them on understanding their characteristic by process and material. We explain the development about the application of BONY-based transparent barrier films, the application for retort pouch and for non food packaging..		
2007/04/10	Machine tool of Japan active in the world	Masanori Matsuura	Matsuura Machinery
2007/04/10	Introduction of reformative metal mold production method by metal and light forming compound processing machine	Tomio Tomota	Matsuura Machinery Corporation
2007/06/19	Present & Future of Rotational Molding	Tosio Igarashi	



Financial Report of SPE Japan Section (July 1,2006-June 30,2007)

Input		Output	
Subject	¥	Subject	¥
Member fee	1,348,000	Member fee	810,303
Entry Fee	44,000	Entry Fee	11,559
Rebate	222,934	Rebate Expense	14,300
Meeting Expense	265,000	Meeting Expense	523,729
RETEC Fee	628,000	RETEC Expense	27,408
		RETEC	435,425
Magazine & Material	942,600	Magazine & Material Ex	675,634
Interesting	447	Communication expense	155,441
		Open Seminar Expense	74,560
Miscellaneous	25,000	Print Expense	38,310
		Transportation Expense	152,900
		Magazine & Material	8,830
		Miscellaneous	29,613
		Office rental	387,500
Total	3,475,981	Total	3,345,512
		This Income	130,469
Previous term	(704,983)	Total Result for The N	(574,514)

Bio-PDO™, derived from corn sugar can replace chemicals in a broad range of products including Sorona®, a film for packaging. DuPont



From Editorial,
 Newsletter of 2006 indicated the change of all SPE Japan Section, from Bylaws into layout. However, we could not show real restructure of organization, for example, the procedure of technical meeting, sales promotion for membership, education training seminar., etc. Through 2007, we do reorganization. The HQ of SPE USA proceeds surprising success, meeting, organization, financial, membership.,etc. we would like to learn their activities.

News letter editor Masahide Tashiro

Membership list of SPE Japan Section 2006-2007

Last		First	Company	Joint date	Last	First	Company	Joint date
1	Mitani	Shuzo	Asahi Chemical Industry Co Ltd	9/1/1999	1	Ebara	Plamedia Research Corporation	8/30/1994
2	Kato	Kiyoo	Asahi Kasei Corporation	7/12/2002	2	Furukawa	Plas-tech Company	8/28/2001
3	Yasuda	Kohei	Campus Create Co Ltd	4/20/2004	3	Asayama	Plastics Age Co., Ltd.	8/8/2007
4	Arai	Tooru	Denki Kagaku Kogyo	7/28/2005	4	Nakamura	Polydynamics Inc	2/14/2002
5	Shimizu	Mikio	Denki Kagaku Kogyo K K	7/14/2004	5	Tatsumi	Reseach Laboratory of Plastic Technology	8/9/2002
6	Akita	Kiyoshi	Fukuyi Chemical Industry Co Ltd	8/4/2006	6	Yoshikawa	Sekisui Machinery Co Ltd	10/27/2000
7	Yoshida	Takashi	Furukawa Electric Co Ltd	2/9/1999	7	Fukumura	SKI Co.	6/25/1987
8	Kim	Seong	Hanyang University	9/6/1990	8	Lee	Sogang University	4/18/1989
9	Abe	Daisuke	Hitaehi Cable Ltd	7/19/2006	9	Harada	Starlight Co.,Ltd.	6/6/1985
10	Kobayashi	Masatoshi	Honda Engineering Co Ltd	5/18/2007	10	Kurokawa	Starlite Co Ltd	8/20/2006
11	Suzuki	Osamu	JAICI	9/19/2005	11	Moriya	Sumitomo Bakelite Co Ltd	8/30/1994
12	Sugano	Toshihiko	Japan Polychem Corporation	2/15/2007	12	Oida	Sumitomo Bakelite Co Ltd	6/16/2005
13	Hondo	Akira	Japan Polyethylene Corp	2/10/1989	13	Hirota	Sumitomo Chemical Co. LTD	9/8/2006
14	Tanaka	Masato	Japan Polyethylene Corp	6/8/2006	14	Sugita	Sumitomo Chemical Co., Ltd.	6/29/2007
15	Nagai	Yozo	Japan Polyethylene Corporation	2/15/2006	15	Toyotaka	Sumitomo Chemical Co., Ltd.	6/29/2007
16	Fujita	Yui	Japan Polypropylene Corp	4/13/2007	16	Yoshimori	Sumitomo Plastics America Inc	5/17/2006
17	Fujiwara	Mikihiko	Japan Polypropylene Corp	10/30/2006	17	Iwasaki	Teijin Chemicals Ltd	7/31/2002
18	Ito	Motoko	Japan Polypropylene Corp	11/1/2004	18	Enomoto	The Furukawa Electric Co Ltd	6/2/2006
19	Ikegami	Yasuo	Keneka Corporation	7/7/2006	19	Sato	Tohoku University	10/7/1997
20	Fukutani	Kazuhisa	Kobe Steel Ltd	11/28/2005	20	Kataoka	Tokan Material Technology	10/23/2006
21	Nagaoka	Tsutomu	Kobe Steel Ltd	5/25/2006	21	Mihara	Tokan Material Technology	10/24/2006
22	Sato	Sadao	Kogakuin University	8/23/1995	22	Sumita	Tokyo Institute of Technology	10/10/2002
23	Watanabe	Hideo	Kyoraku Co Ltd	3/14/2005	23	Nakano	Toray Industries Inc	1/6/2005
24	Yamazaki	Daisuke	Kyoraku Co Ltd	4/5/2007	24	Taketa	Toray Industries Inc	10/26/2006
25	Hamada	Hiroyuki	Kyoto Institute of Technology	8/28/1986	25	Yamasaki	Toray Industries Inc	10/27/2006
26	Kotaki	Masaya	Kyoto Institute of Technology	5/16/2006	26	Ishikawa	Tosoh Corporation	6/2/2006
27	Ohshima	Masahiro	Kyoto University	7/31/2002	27	Kikuchi	Toyo Seikan Group	6/11/2004
28	Taki	Ken-aro	Kyoto University	11/15/2004	28	Kobayashi	Toyobo Co Ltd	12/6/2005
29	Eng Hoe	Cheong	Larvgenal Mask Company (S) Pte Ltd	4/15/2004	29	Okamoto	Toyota Technological Institute	9/15/2004
30	Matsumoto	Mitsuhiko	Maruzen Petrochemical Co Ltd	6/8/2006	30	Koyashiki	Ube Industries Ltd	6/16/2005
31	Takino	Yorinobu	Matsui Manufacturing Co Ltd	1/21/1993	31	Kurosaki	University of Electro-Communications	4/11/2001
32	Yamamoto	Yoshihiko	Methane Hydrate Research Laboratory	6/27/2007	32	Shibata	University of the Ryukyus	7/10/2006
33	Murakami	Osamu	Mitsubishi Electric	4/10/2006	33	Leong	Venture Laboratory	2/24/2004
34	Baba	Fumiaki	Mitsubishi Electric Corporation	4/1/1984	34	Kuriyama	Yamagata University	10/12/2005
35	Mukuda	Muneaki	Mitsubishi Electric Corporation	3/11/2002	35	Ito	Yamagata University Dept of Polymer Science & Zeon Corporation	3/22/2000
36	Kosaka	Yasushi	Mitsubishi Gas Chemical Company	6/11/2004	36	Maeda		6/21/2006
37	Tashiro	Masahide	MSA Institute	6/11/2004	37	Hayashi		10/21/1992
38	Yonekura	Mike	Nagase Co Ltd	3/3/2005	38	Igarashi		6/19/2002
39	Kita	Hiromi	National Instit of Tech and Evaluation	4/5/2000	39	Iida	Makoto	6/14/1994
40	Ryo	Yoshihiko	New Japan Chemical Co	2/26/2007	40	Inuzuka	Takayuki	2/2/2005
41	Kojima	Junpei	Nippon A and L Inc	7/14/2004	41	Ishibashi	Junya	10/21/1992
42	Takayama	Shin	Nokia Japan Co Ltd	8/28/1998	42	Izawa	Shin-Ichi	9/3/1993
43	Hatase	Yoshihito	Orient Chemical Ind	8/2/2007	43	Koresawa	Hiroshi	4/12/1999
44	Isoda	Akihiko	Orient Chemical Industries Ltd	8/31/2006	44	Nagai	Susumu	7/1/1972
45	Nishimura	Hiroyuki	Osaka Gas Co Ltd	1/9/1995	45	Ogino	Kazuhiko	1/9/1986
46	Yamada	Koji	Osaka Municipal Tech Research Institute	3/18/1999	46	Okamura	Isao	7/30/2002
47	Tomari	Kiyotaka	Osaka Municipal Technical Research Institut	9/3/1993	47	Sakai	Tadamoto	9/17/1987
48	Goto	Akihiko	Osaka Sangyo University	2/2/1988	48	Shibayama	Tadao	10/11/1974
49	Katsura	Tadahiko	Packaging Science Institute	7/23/1991	49	Sumi	Takehiko	9/1/1984
50	Ebara	Kenji	Plamedia Research Corporation	8/30/1994	50	Takashima	Naoichi	4/1/1960
					51	Yamamoto	Susumu	5/17/2000