



# NEWS LETTER SPE Japan section

Publisher : SPEJapan Section Plastics Age INC. Okouchi Build.5Fl. Kajicho1-10-6,Chiyodaku, Tokyo

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### Main Activity in 2012

2012/07/19	Board of Directors
2012/08/30	The general meeting
2012/08/30	An action of the lightweighting of the car.
2012/10/25	The plastics supports tip medical care.
2012/12/07	"Where is the elastomer usable to?"
2013/03/15	The 6th NANO/SPE joint seminar
2013/06/21	6th Plastics for appliance
2013/06/21	Event committee for the next year

The main activities of 2012 was seminar of five times, the board of directors, a general meeting, four times of administration committees and next fiscal year event Committee.

The board of directors was opened on July 19, 2012.

We carried out a general meeting successively on August 30 and approved a business report of 2011, a statement of accounts, a budget of 2012.

We appointed Mr.Tomari of director newly as a deputy section president.

We hold transition Procedural Committee in four times before a start of the seminar and planned smooth seminar holding and participant increase of the staff, but we have decrease (6 to 5) of the Presentation number of times and decrease (185 to 132) of the number of the participants, and it is thought that organization restoring is necessary.

Baba was appointed newly by a deputy section president when we expressed it about an officer of 2013 next.

Furthermore, it was retired from an officer Mr.Suetsugu. Mr.Kitano is retired from, and Mr.Oikawa will settle account to a successor.

We had the seminar, the Plastics for medical care (Ito), the elastomer (Baba), nano/spe combination seminar (Kim), the plastics for the lightweighting of the auto (Mr.Nagata), and Plastics for appliance (Mr.Ogiwara).

The regular member decreased to 25 people from 28 people of the last year. The corporate member did not have a substitute in two companies. We carried out the revision of articles of association. (20130830)





Board of Director 2013



Honorific title abbreviation

kimu                      Ogiwara                      Kitano                      Oikawa  
Tashiro                      Izawa                      Asayama

Main amendments:

the director retirement of Mr.Kitano, and of Mr.Suetsugu, Mr.Baba as new appointment of the section president elect, Mr.Tanaka and Mr.Oikawa of new director appointment. the seminar we planned in April, 2013 was called off on account of the undertaker, as a result, we had five seminars in total of the 2012th.

2013			
role	name	org	*1
President	Shinichi Izawa	TTT	○
President Elect	Motohiro Asayama	Plastics-Age	○
President Elect	Kiyotaka Tomari	Osaka Municipal Tech. Res. Inst.	
President Elect	Fumiaki Baba	Mitsubishi Electric Corporation	
Council	Hiroshi Itou	Yamagata University	○
Treasure	Akira Oikawa	Sumitomo Bakelite	○
Membership	Manabu Ogiwara	Nippon Zeon Co.,	○
Secretary	YoonHoon Kim	Furukawa Electric	○
WebNL	Masahide Tashiro	MSAI	○
planning	(Hiroshi Itou)	Yamagata University	
planning	Kazuya Nagata	Asahi Kasei Chemicals	
planning	Fumiaki Baba	Mitsubishi Electric	
planning	Takeshi Nagaoka	Kobe Steel Ltd.	
planning	(Manabu Ogiwara)	Nippon Zeon Co.,	
planning	(Masahide Tashiro)	MSAI	
planning	Tadahiko Katsura	Hoso Kagaku	
Director	Masaru Tanaka	Yamagata University	
Auditor	Kazuhiko Ogino	Ogino Engineer Office	
Auditor	Toshihiko Harada	PlaTechno Search	

The following step in Japan which population and production decrease.

Regarding the population fluctuation in Japan, there was the first baby boom in the late 1940s, and then, there was the second baby boom from 1960s to 1970s which was generated by the first baby-boom generation. In 1990s, the ascending curve of the population was declined, in 2005, the deaths has exceeded the births made the population decrease reality. The “Dream of High Economic Growth” which Japan experienced in 20th century and remained for almost 20 years came to reality while perfectly in tune with the demographic dividend and the promotion of the export trade industry which matched the needs of the world. The decline of production became obvious during the bubble’s implosion in 1990. Following the downward trend of 12% share in plastic production in 1997, the amount of plastic production is less than 5% now. The reform to bring back production in Japan dramatically changed when two national elections strengthened the security for the bedrock of established interests last year. Policies for the current situation in Japan where population and production have decreased are certainly considered. The relationship between GDP growth forecast and population change is important in order to understand the global market.

The same perspective is needed when considering the future of the plastic industry. The plastic industry and plastic engineers of Japan will not be able to move forward if they do not consider the production, market trends, and forecast of the downstream industry.



SPE Japan section  
President  
Shinichi Izawa

The demographic structure of Japan greatly differs to that of the world. Changes in the market differ for the upper class, the middle class, and the BOP class respectively. Hence, it is important to consider them in greater depth to make a forecast. As seen in the decrease of population and production, the Japanese market will lose to the world.

How will the upper class, the main customers for high-value added products, change? Where in the global market will the decline in the Japanese market for the upper class’ consumer products (such as cars, communications equipment, consumer electronics, and other products) transfer? Quantitatively, where will it increase for the 2.5 billion people in the middle



#### 2012 Seminar

2012/08/30	Present status and future prospects of automotive weight	Toshiyuki Ooba	former NISSAN MOTOR
36	TeeWave AR1, This is an ultra-light weight and environmentally friendly car using Toray's Advanced material]	Koji YAMAGUCHI	Toray Industries, Inc.,
	High-performance technologies and applications of polyamide resin for lighter automotive materials.	Yu Nitto	Asahikasei Chemicals Co.,LTD.
2012/10/25	Polymer processing of medical products and evaluation of biocompatibility and safeness	Noboru Yamawaki	KYOCERA Medical Corporation
21	Development of Biomaterials / Materials in Medicine for Repairing Biofunctionality.	Chikara Ohtsuki,	Nagoya University, Japan
	Biomimetic phosphorus-containing polymers for biomaterials	Iwasaki Yasuhiko	Kansai University
2012/12/07	"The elastomer industry which a rubber shop looks"	Nobumasa Umezak	Nishiyama Corporation
32	"Base of elastomer sealant and a recent development trend"	Naoki Ohsumi	NIPPON VALQUA INDUSTRIES, LTD.
	"the thermoplastic elastomer, is it exceeded cross-linked rubber / soft polyvinyl chloride?"	Naoki Tanahashi	Zeon Corporation
2013/03/15	Structure / physical property control of the single-layered carbon nanotube	Tsuyoshi Saito	NIAISTnanotube application study center
29	Application of exotic nano carbon and the Composite material	Toru Noguchi	Shinshu University Professor
	Structure, the function of the cellulose nano fiber film and applied development	Akira Isogai	Tokyo University
	Next-generation tire material technology	Keizo Akutagawa	Bridgestone Corporation fellow
2013/06/21	Development of Organic Electronics materials in Merck	Takeo Wakimoto	Merck Ltd.
14	Analysis of Organic Electronics	SHIRO YUKUSHIM	Sumika Chemical

"Seminar on the lightweighting of the car" of August 2012 was the advance technology of polyamide and presentation about the concept car using advanced materials in Asahi Chemical.Toray."The plastics supported tip medical care" of October 2012 was the product made in plastic medical equipment and a biocompatibility system by Kyocera medical, the next generation of the medical material by Nagoya University, and a design of the phosphorus component polymer by Kansai University."where the elastomer was usable" of December 2012 were elastomer industry by

rubber molder by Nishiyama,the developing trend of the sealan by Nippon Valqua Industries, and the TPE was exceeded cross-linked rubber/ soft PVC by Nippon Zeon. The sixth NANO/SPE combination seminar of March 2013 was single-layered carbon nanotube by (AIST), composite of the nanocarbon by Shinshu University, and ow rolling resistance tire by Bridgestone. plastics for appliance of June 2013 was electronics materials development by Merck, and e, an assay evaluation technolgy by Sumika Chemical Analysis Serviice.The participant was total number, 132 people.







## Financial report 2012

Input		Output	
subject	¥	subject	¥
Participation fee		Member fee for HQ	0
Member fee for Section1	310000	Transfer fee	0
Member fee for Section 2	120000		
Rebate	203900		
Meeting Fee	560000	Meeting expense	573700
Magazine & Materials	0	Magazine & Materials	0
Interesting	486	Communication	0
		Advertisement	546000
		materials	0
		office	0
		miscellaneous	7725
Total	1194386	Total	1127425
		Revenue at June 31,2011	66961
Previous Term	1265185	The next Term	1332146



SPE Japan Section Membership  
Manabu Ogiwara

## About my aspirations as membership director of the SPE Japan Section

The SPE Japan Section is working toward improving scientific as well as industrial knowledge of plastics through the expertise of plastics engineers and members exchanging ideas and information together. As such, in the 2012 fiscal year (July 2012 - June 2013) we planned and held 5 lecture meetings on 15 subjects through which there were 132 participants in total. We chose themes closely tied to plastics like the automotive field, medical care, appliances, et cetera and worked diligently in our planning and management of hot topics and the latest technological trends so that many different people would participate. On the other hand, the circumstances surrounding plastics is fiercely competing for large yet speedy development focused in both the West and Asia. Based also on this state of affairs, in SPE Japan Section's 2013 year we are hoping to contribute to the development of Japanese industries associated with plastics by planning lecture meetings that offer conventional as well as timely topics related to the latest plastics and aim for our members to exchange ideas and information. As the member liaison for the SPE Japan Section, I will work on getting many people participating and interested in the SPE Japan Section. Thank you for your time.





## 2012 SPE Japan section Membership List

No	Name	Company
1	Motohiro Asayama	Plastics Age Co.,
2	Toru Arai	Denki Kagaku Kogyo Co.,
3	Shinichi Izawa	
4	Youichi Ishizaki	Toyo Seikann Co.,Ltd.
5	Shinji Ishida	Seikisui Chemical Co.,Ltd.
6	Jyunya Ishibashi	Yamagata University
7	Hiroshi Itoh	Yamagata University
8	Masao Iwano	PTBDL
9	Ryuichirou Kitano	Sumitomo Bakelite Co.,Ltd.
10	Kazuhiko Ogino	Ogino Engineer Office
11	Manabu Ogiwara	Nippon Zeon Co.,
12	Tadahiko Katsura	Hoso Kagaku Kenkyusho
13	Naoichi Takashima	Takashima Engineer office
14	Masahide Tashiro	M S A I
15	Shigeo Tsuyama	JAICI
16	Kiyotaka Tomari	Osaka Municipal Tech. Res. Ins
17	Ritsuji Toyotate	Nippon A & L INC.
18	Susumu Nagai	Techno Search
19	KTakeshi Nagaoka	KOBELCO Co.,
20	Kazuya Nagata	Asahi Chemical Co.,
21	Keiichi Nosaka	Daiei Co.,
22	Fumiaki Baba	Mitsubishi Electric Co.,
23	Toshihiko Harada	Starlite Co.,
24	Mikio Fukumura	
25	YoonHoon Kim	Furukawa Electric Co.,Ltd.

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class who purchases a great portion of plastic materials? Since the political implication is great, it is difficult to forecast the change in market for the plastic quantity that the BOP class will use. When taking into consideration the market growth in Japan for the upper class, the large bulk of it is in the nursing and medical fields. There will be large consumption for plastics in these fields. Aiming to improve the technology in five or ten years is currently a big subject for plastic engineers.



## Editing postscript

The leaders of the East Asia turned into the second generation all at once in last year. We expect whether they will open the new world. They are dragged by the past. Global trends 2030 that an American research institute made, classified the future world in four scenarios and showed it.

It is to have surveyed the future of 3Dprinting to have been more interesting.

I do not see the development of parts such as CAD/CAM in the 3D printing, when we watch the current movement in Japan.

Manufacturing is the final act, but thinks a theory, the system to be important.





## SOCIETY OF PLASTICS ENGINEERS MEMBERSHIP APPLICATION

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### Applicant Information: (please print)

My Primary Address is home \_\_\_\_\_ or business \_\_\_\_\_ (check one)  
Name \_\_\_\_\_ Phone Number \_\_\_\_\_ Home \_\_\_\_\_ Work \_\_\_\_\_ Cell \_\_\_\_\_  
First MI Last \_\_\_\_\_  
Organization Name \_\_\_\_\_ Job Title \_\_\_\_\_  
Address \_\_\_\_\_  
Address \_\_\_\_\_ Email(Required Field) \_\_\_\_\_  
Address \_\_\_\_\_ Alternate Email \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Date of Birth \_\_\_\_\_ Graduation Date\* \_\_\_\_\_  
Zip/Postal Code \_\_\_\_\_ Country \_\_\_\_\_ Gender: Male \_\_\_\_\_ Female \_\_\_\_\_ \*Required for Student Membership

### Membership Types (please check one)

☐ Student \$31 ☐ Young Professional \$99 ☐ Professional \$144 (includes \$15 new member initiation fee)  
Choose up to 2 Member Groups on the back of this application.  
☐ Professional +2 Additional Member Groups \$164 Choose up to 4 Additional Member Groups on the back of this application.  
☐ Professional +4 Additional Member Groups \$184 Choose up to 6 Additional Member Groups on the back of this application.

### Payment Information: PAYMENT MUST ACCOMPANY APPLICATION-NO PURCHASE ORDERS ACCEPTED

Amount \_\_\_\_\_ Check Number \_\_\_\_\_ Cash \_\_\_\_\_  
Credit Card Information (Check One) American Express \_\_\_\_\_ Visa \_\_\_\_\_ MasterCard \_\_\_\_\_  
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By signing below I agree to be governed by the Bylaws of the Society and to promote the objectives of the Society. I certify that the statements made in the application are correct and I authorize SPE and its affiliates to use my phone, fax, address and email to contact me.

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Dues include a 1 year subscription to Plastics Engineering magazine-\$38.00 value (non-deductible). SPE membership is valid for twelve months from the date your membership is processed.

### Participation into SPE Japan Section

Member Distinction Put ○ for your position	individual membership	Describe to individual column
	corporate membership	Rep for Indiv, Column, Representative of Corporation

Ind ivid ual	Name	
	〒 Address	
	Tel	
	E-Mail	

Corp orate	Company name	
	Division	
	Name	
	〒 Address	
	Tel	

Please fill the above. In addition, the person in charge of a corporate member, so you also need to join the U.S. headquarters procedure, please send at the same time to fill out the attached entry format.

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