



# NEWS LETTER SPE Japan section

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## CONTENT

- 1, OUT LINE OF 2011
- 2, Greeting by President 2012 Board of Director
- 3, 2011 Conference
- 4, 2011 Financial report
- 5, 2011 Membership
- 6, Application

## Main Activity in 2011

- 2011/07/22 Board of Director
- 2011/07/22 4th Composite for Auto
- 2011/10/06 The general meeting
- 2011/10/06 The point of the plastic product design corresponding with the light weighting
- 2011/12/01 Plastics and exact processing to support advanced medical care device
- 2011/12/15 A latest technology becoming the key to injection moldings advancement.
- 2012/03/16 5th Joint Conference with NPO-RANSP & SPE Japan
- 2012/04/20 Plastic materials and latest processing technology to support the weight of the car
- 2012/06/21 Event committee for the next year
- 2012/06/21 5th Plastics for appliance

SPE Japan section came across the 2011 year right after East Japan Disaster on March 11,2011.

The change of the organization was carried out in the SPE headquarters. Ms.Oderwald supported SPE as CEO for many years retired. Ms.Mcknight was a window of section in autumn changed its job. New CEO Mr.Willem De Vos took office in the term end.

The President was changed from Mr.Russel Broome(2011/7-2012/6) to Mr.JAMES S.GRIFFING.

In the Japan Section, We pointed out Mr.Tomari as president elect newly from 2012. The president elect became two of Mr.Asayama and Mr.Tomari.

Mr.Katsura was appointed a plan committee.

As well as last year, we held board of directors, general meeting, next fiscal year event Committee and held four executive Committee. We carried out seven times of seminar in 2011.

Seminar of July is the event of 2011/4 postponed by the earthquake disaster.

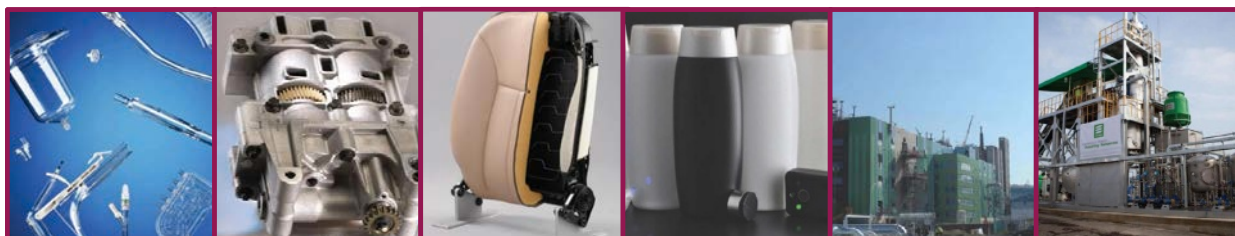
The number of the participants of the whole event was 185 people (in the case of including ASIATEC2011 in last year: 233).

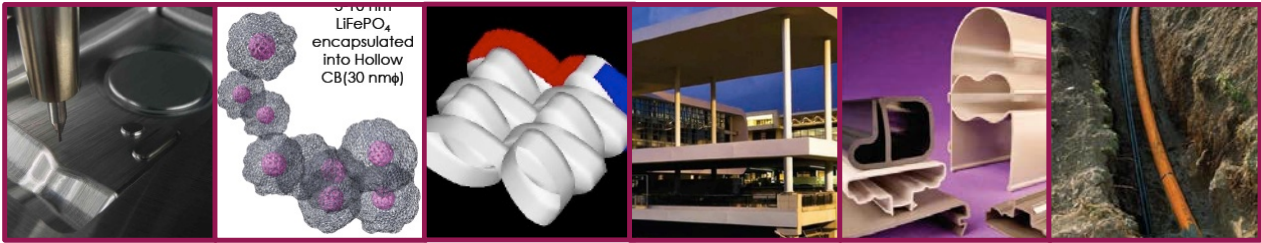
It was recent characteristic of a topic about the lightweighting of the car, shortening of the molding cycle, medical care or LED. 2011 decreased with 28 section members(39 people of 2010).

The settlement of accounts of 2011 was a deficit of 19,304 yen with the income and expenditure balance of 2011.

The system renovates it in 2011, and became younger partly, but there is little newness by the events, too, and it is the situation such as the decrease of the number of members, and future rollback is expected.

As well as the headquarters, We think when we cannot expect the future development unless we aim at the restoration of youth of the organization and the increase of the number of members.





2012 Board of Director



Honorific title abbreviation

back Kitano Katsura Ogiwara Kimu  
 front Tashiro Izawa Asayama Nagaoka  
 Absent  
 Tomari, Itoh, Nagata, Baba, Suetsugu, Ogino, Harada

2012			
role	name	org	*1
President	Shinichi Izawa	TIT	○
President Elec	Motohiro Asayama	Plastics-Age	○
President Elec	Kiyotaka Tomari	Osaka Municipal Tech. Res. Inst.	
Council	Hiroshi Itou	Yamagata University	○
Treasure	Ryuichirou Kitano	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	○
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	Yoshiyuki Suetsugu	Idemitsu Industrial	



The Japan Section greets the new year

President of SPE Japan section  
 Dr. Shinichi Izawa

I consider with that it is important for Japanese plastic engineers to have what kind of viewpoint as a future course with plan and action.  
 The breadth of the Plastics application expands. It passed in ten years since the 21st century began. The foreseen things have four next courses;  
 The new field is high function and high value-added that plastic have not been used, developing new performance.  
 The field of medical plastic by new application material, assembling part, a battery, an energy sector escalating at the same time and slimming.  
 A membrane separation technology becoming the base to build a system by water disposal or gas separation,  
 The above will be important as application development in the developed country mainly.

Secondly,  
 There is plastic Technical Field supporting the local (most on the earth) agricultural production which is shortage of water, and building a new agriculture system enabling the change of direction.  
 The high water absorptive plastic of the water holdout, The insulator film being effective for separation with the environment, and no transmitting an inorganic matter or bacteria,

The transparency film suppling light of the sun to a plant effectively. etc., Plastics Engineer has to develop the system.

At 3rd, There is the infrastructure maintenance in the developing country.  
 The most of the necessary material for delivery of water, gas, electricity, the food are made by the plastics.  
 The pipe demand is anticipated including big diameter and small diameter.  
 The plastic as the electrical insulating material is used bumper for quantity, too.  
 Food is not relieved the security distribution currently in the area and the population of the majority on the earth.  
 A role of plastics utilizing the knowledge of the developed country, is food distribution without waste to the most end.  
 At the 4th,  
 The development of the plastic material from bioraw materials,  
 The fourth is thought about the technology to save fossil resources .  
 These four fields requested in the characteristic to demonstrate of the plastic engineer is different from each others and expands important fields. The American SPE headquarters renovated the organization, showing posture to turn a viewpoint to Europe, Asia clearly.  
 The SPE Japan Section wants to push forward the activity attaching great importance to the future direction development fixing its eyes on the district of the neighborhood of Asia with members.



### Seminar in 2011

2011.07.22	Automobile Manufacturing	Hiroyoshi Yoshinaga	NISSAN MOTOR
	Automotive Plastic Parts Present Trend and Near Future Expectation	Masao Iwano	Polymer Technology & Teijin
	Teijin concept car for the resin	Toshimasa Hodaka	Teijin Kasei Co. Ltd.
2011.10.06	Original observation method (the N-ARC method) in the cross-section of molded polymer products & Very useful analysis technique for failure analysis of polymer materials	Atsushi Kato	NISSAN-ARC, LTD.
	Observation and three-dimensional, solid analysis of glass fiber in resin molding goods by X-Rays CT.	HIROKAZU OKOC	Shimadzu Corporation
	The use development of the resin part by CAE for car lightweighting	Hideyuki Inaba	Asahi Kasei Chemicals Corp.
2011.12.01	Polymer processing of medical products and evaluation of biocompatibility and safety.	Noboru Yamawaki	Japan Medical Materials Corporation
	Lens materials for ophthalmology -Contact Lens* Intraocular Lens-	Yuichi Yokoyama	Hoya Corp.
	Design of biocompatible medical devices using polymer micro-fabrications.	Ken Tanaka	Yamagata university
2011.12.15	Introduction about the PVD processing for resin fabrication	Shinya Oda	YUKEN INDUSTRY Co., Ltd.
	High mold release coating for plastic-molding metal-molds TIER-coat	Hiroshi Chiba	TOADENKA Co. Ltd.
	Heat & Cool technology with internal inductors to achieve short molding cycle.	Katsutoshi Sugita	Mitsubishi Corporation
2012.03.16	Innovation & Relationship between Japan & China	Shinichi Izawa	NPO Research association of nano
	Reactive processing advances in technology that utilizes two extruder screw axis	Tadamoto Sakai	The Japan Steel Works, LTD.
	Polymeric materials and next-generation automobiles	Norio Kurauchi	Kurauchi Technical Management Lab.
	For automotive CFRTP (carbon fiber reinforced thermoplastic resin)	Jyun Takahashi	Tokyo University
2012.04.20	The next generation large capacity hybrid capacitor	Katsuhiko Naoi	Tokyo University of Agriculture and Technology
	bumper to bumper recycling	Kazuhisa Fuji	Mazda Motor
	Transparent parts car (sunroof, such as a lamp) molding equipment	Mikio Nagata	Meikiseisakusho Inc.
	Trend to the adoption of a plastic outer plate car	Takeshi Nagaoka	Kyoto Institute of Technology
2012.06.21	Surface treatment of plastics processing technologies	Mitsuhiro Watanabe	Kanto Gakuin University
	Demonstration plant mass production of carbon nanotubes	Mitsugu Kamijima	Nippon Zeon Co., Ltd.
	Nucleating agent for the General	Takeshi Urushibara	ADEKA Co., Ltd.

### Seminar of 2011

Mr.Nagaoka planned three Presentation titled "4th Composite for Auto" in July.

Dr.Ito planned three Presentation titled "the point of the plastic product design corresponding to the lightweighting" in October.

Mr.Nagata planned the seminar as "plastic and exact processing to support tip medical care device" successively in December. Furthermore, Mr.Baba planned "the latest die technology which became the key to injection moldings advancement" in Osaka in the end of December.

NPO Reserach Association of Nano Structuted Polymer planned the 10th anniversary special feature of the NPO Reserach Association of Nano Structuted Polymer" in March in "The fifth NANO/SPE combination seminar",.

Furthermore, Mr.Nagaoka planned "the latest plastic material, processing technique to support the lightweighting of the car" again in April.

Mr.Ogiwara planned "the fifth Plastics for appliance seminar" in June.

The number of the entries was 185 people.



### Financial report 2011(¥)

The financial report  
 The settlement of accounts of 2010  
 was the black of a little over 710,000  
 yen because of the ASIATEC2011  
 holding, .  
 The settlement of accounts of 2011  
 of approximately 20,000 yen became  
 in the red.  
 The decrease of the member of  
 section in particular is remarkable.

Input		Output	
subject	¥	subject	¥
Participation fee	10000	Member fee for HQ	0
Member fee for Section1	358600	Transfer fee	0
Member fee for Section 2	130000		
Rebate	117276		
Meeting Fee	670000	Meeting expense	891887
Magazine & Materials	0	Magazine & Materials	0
Interesting	500	Communication	0
		Advertisement	400000
		materials	0
		office	0
		miscellaneous	13793
Total	1286376	Total	1305680
		Revenue at June 31,2011	-19304
Previous Term	571,105	The next Term	551,801

### About future activity as SPE Japan Section secretary

YoonHoon Kim



I began to work as a secretary of the SPE Japan Section, and it was the second year by this year. I want to suggest various new plans plan in future.  
 Furthermore, I want to contribute to further activation of the Japan Section.  
 Therefore, I provide bio, nanotech, a car, the related latest information in the field of composite of plastic to a member through the seminar. and I want to wrestle as the agenda of the Presentation by a story about merchandise development and the business reform, the contents that include the present conditions of the developing nation such as Middle East, China, India, Brazil as a new plan. I can go ahead through the plan of international events such as holding of the joint seminar with the nano structured polymer Institute, AISATEC to achieve a role of the Japan Section as the field of the technology exchanges between members. Through these various activity, I want to contribute to development of the SPE Japan Section.





SPE Japan Section Member list (2011)

No	Name	Company
1	Motohiro Asayama	Plastics Age Co.,
2	Toru Arai	Denki Kagaku Kogyo Co.,
3	Shinichi Izawa	SPE Japan Section president
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	Tadamoto Sakai	Shizuoka University
14	Kenichi Shinohara	Depont Co.,Ltd.
15	Yoshiyuki Suetsugu	Idemitsu Kosan Co.,Ltd.
16	Naoichi Takashima	Takashima Engineer office
17	Yuji Takeda	Mitsubishi Gas Chemical Co.,Ltd.
18	Masahide Tashiro	M S A I
19	Shigeo Tsuyama	JAICI
20	Kiyotaka Tomari	Osaka Municipal Tech. Res. Inst.
21	Ritsuji Toyotate	Nippon A & L INC.
22	Susumu Nagai	Techno Search
23	Takeshi Nagaoka	KOBELCO Co.,
24	Kazuya Nagata	Asahi Chemical Co.,
25	Keiichi Nosaka	Daiei Co.,
26	Fumiaki Baba	Mitsubishi Electric Co.,
27	Toshihiko Harada	Starlite Co.,
28	Mikio Fukumura	
29	YoonHoon Kim	Furukawa Electric Co.,Ltd.
30	Takahisa Oida	Sumitomo Bakelite Co.,

member's number at June 30 of 2012  
: 14,848名

Member's Number of SPE Japan Section  
June 30,2012 : 107名

HQ contact person  
: Ms.Sarah Sullinger  
mail: [ssullinger@4spe.org](mailto:ssullinger@4spe.org)

Liaison of Japan Section  
:Mr.Jon Ratzlaff



Corporate member :Green

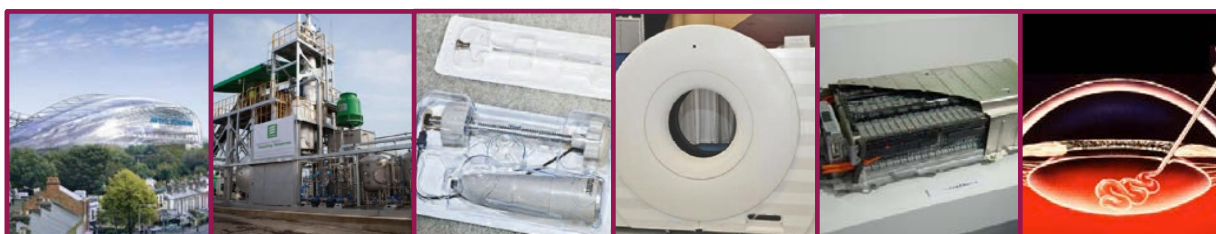


Editor's Note

2011 started after four months of the East Japan great earthquake disaster. The settlement of the earthquake disaster and the radioactivity of the Fukushima first Nuclear Power Plant yet make impossible the return of neighboring inhabitants .

Three inspection reports were announced, but do not yet elucidate the true cause of a radioactivity leak and the nuclear plant accident.

As well as cause investigation of World War II, it will be entombed in darkness of the history.





## SOCIETY OF PLASTICS ENGINEERS MEMBERSHIP APPLICATION

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[membership@4spe.org](mailto:membership@4spe.org) [www.4spe.org](http://www.4spe.org) [speeurope@4spe.org](mailto:speeurope@4spe.org) [www.speeurope.org](http://www.speeurope.org)

### 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 \_\_\_\_\_  
 Credit Card Number \_\_\_\_\_ Exp. Date \_\_\_\_\_ Security Code \_\_\_\_\_  
 Name On Credit Card \_\_\_\_\_ Amount \_\_\_\_\_

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.

Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Recommended by \_\_\_\_\_ ID# \_\_\_\_\_

The SPE Online Membership Directory is included with membership. Your information will be automatically included.

- Exclude my email from the Online Membership Directory.
- Exclude all my information from the Online Membership Directory.
- Exclude my address from 3<sup>rd</sup> party mailings.

Dues include a 1year 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 <input type="radio"/> 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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Please contact the above if you want to participate into SPE Japan Section.

