



2006 IEEE Systems Packaging Japan Workshop

Hotel de YAMA, Hakone, Japan
January 30th through February 1st, 2006



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General Chair: Fumiyuki Kobayashi
Vice Chair: Haruhiko Yamamoto

Dear Colleagues,

The Systems Packaging Japan Committee would like to invite you to participate in the 2006 IEEE Systems Packaging Japan Workshop to be held at the Hotel de YAMA, in Hakone town, Japan on January 30th through February 1st, 2006. The location of Hotel de YAMA can be reached in about 2 hours from Tokyo by train and bus.

This workshop will be the eleventh one since the beginning in 1986, which covers the systems packaging technology from personal systems to high performance systems. Also the committee is planning to set up a technical tour on Wednesday.

The workshop will be held in English. All attendees are expected to be specialists in the field and to participate in discussion. For the further information about the workshop, please have a look at:

<http://www.e wh. ieee. org/ soc/ cpmt/ tc14/ JWS8/ papercall. html>

We are confident that the technical meeting will be rewarding and useful. We are looking forward to a lot of participants.

Guidelines:

- ✓ No proceedings will be published.
- ✓ Papers present new development or critical overviews.
- ✓ All attendees are expected to participate in discussions during the workshop.

Registration:

Attendees are requested to complete 'Registration Form' and forward it to hiroshi.go.wt@hitachi.com, or facsimile it to +81 463 87 7183, Hiroshi Go of Hardware Technology Development Dep. Hitachi Ltd., Enterprise Server Division.

Registration Fee

Pre-Registration fee until January 13th, 2006: 42,000 Yen by card: Visa and MasterCard are acceptable.

After January 14th, 2006 or on-site registration: 45,000 Yen in cash at the on-site desk.

Registration fee includes two lunches, two dinners, and a technical tour.

Registration fee does not include payment for the short sight seeing around Moto-Hakone that is planed as an optional tour on of January 31st, 2nd day of the workshop. Registration fee does not include payment for hotel accommodations.

After arrival of your Registration Form, an invoice will be sent to you with follow.

Hotel Accommodations:

Attendees are requested to fill out 'Accommodation Form' and facsimile it to 81-42-767-1012, Kazuhiro Otka, Chief of the Reservation Center of Hotel de YAMA, Hakone. Hotel de YAMA provides special SPJW rates for all participants:

12,000 Yen for a single with breakfast

10,000 Yen each for a twin with breakfast

Room rates do not include a 5% tax and a 150 Yen fee for hot spring baths. Capacity of the Hotel de YAMA is around 80 to 90 persons for single use. After the Hotel de YAMA is fully occupied, the Hotel will refer attendees to nearby hotels at their normal rates.

For further information about the hotel, please visit to:

<http://www.odakyu-hotel.co.jp/yama-hotel/english/index.html>

Recommendation for Hotel Reservation after the Workshop:

The workshop will be finished with a technical tour in the evening on February 1st. You will be brought with your entire luggage in buses during the technical tour. After stopping at Kokubunji station of JR Chuo line briefly, the buses will arrive at the final destination, Shinjuku station of JR Chuo line. You will be able to find a lot of convenient hotels in Tokyo area, especially around Shinjuku station, for the night on February 1st.

If you need further information and/or assistances, please feel free to contact Hiroshi Go of Program Chair, 2006 IEEE SPJW Committee.

2006 IEEE Systems Packaging Japan Workshop
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Hardware Technology Development Dep. Hitachi Ltd., Enterprise Server Division.
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Introduction to the 2006 IEEE Systems Packaging Japan Workshop

1. History

The IEEE Systems Packaging Japan Workshop will be held next year, from Jan. 30 to Feb. 1, in Hakone. This workshop has a distinguished history. It is held every two years in Europe and in Japan, alternately. It is organized as an informal and focused gathering where photographs and recordings are prohibited with neither manuscripts nor minutes of proceedings published. Participants are mostly engineers directly involved in development activities that come from research institutes, universities and corporations that represent the world's electric, electronic and communications industries. The presentations made during the workshop- are chosen to be interactive and frank with active questions from the audience.

This workshop was originally established as the IEEE Japan Computer Packaging Workshop held in Oiso in 1986. It was inaugurated as the first international extension of the U.S.A's IEEE Computer Packaging Workshop, which started in 1976, with participants from telephone switching and large-scale computer manufacturing companies. At the time they were developing the most-advanced device and packaging technology.

In the mid-'70s, Mr. Watanabe, then Head Manager of the NTT Atsugi Office, and Mr. Kanai, then Executive Director of NEC, participated in the U.S. workshop and worked as the originators of the Japan workshop. These two gentlemen initiated a call for participation. Eight companies responded: NTT, NEC, Hitachi, Fujitsu, Mitsubishi, Oki, Toshiba and IBM-Japan. In 2000, this organization was renamed The Systems Packaging Japan Workshop and it became a colloquium where system packaging technology of not only computers but also system packaging technology for all types of electronic products were discussed emphasizing on-package design from the system perspective.



Figure Committee Members at The 1st Computer Packaging Japan Workshop

A snapshot of "The 1st Computer Packaging Japan Workshop" held on January 27–30, 1986 at Oiso Prince Hotel. Participants commented that they were excited by this new trend where, in those days a typical announcement made in the US was "Impact of an LSI on System Packaging" (the 4th workshop in 1980). The third person from the right is Mr. Makoto Watanabe then Head Manager of NTT Atsugi Office, who acted as the General Chair. 36 participated from the US and Europe, and 43 participated from Japan.

	Year	Venue
1st	1986	Oiso town, Kanagawa
2nd	1988	Oiso town, Kanagawa
3rd	1990	Oiso town, Kanagawa
4th	1992	Oiso town, Kanagawa
5th	1994	Tsukuba city, Ibaragi
6th	1996	Tsukuba city, Ibaragi
7th	1998	Tsukuba city, Ibaragi
8th	2000	Hikone city, Shiga
9th	2002	Mitaka city, Tokyo
10th	2004	Hakone town, Kanagawa
11th	2006	Hakone town, Kanagawa

Table List of Places for each Workshop

General Outline of the Workshop

Since photographs and recordings are prohibited, the presenters have the ability to introduce the most advanced technologies that are incorporated into new products using pictures and diagrams. The most advanced technologies were typically shown at these workshops. For instance, packaging technologies such as C4 (controlled-collapse-chip-connection), multi-chip modules, ceramic modules, multilayer printed circuit boards, fine-pitch interconnection technology and high-speed signal transmission technology were included. In addition, mechanical technologies such as air/water-cooling technology, power supply distribution, and noise management were also typical topics. This attracted a large number of people to attend the Japan workshops where presenters were proud of their presentations and listeners were excited to hear them.

In presentations, the expectation is that the material will go beyond simply introducing basic technology. For example, a major discussion could be about which technology choices should be adopted and what are their trade-offs at the system-level with the goals being to optimize either high performance or low cost or both.

Usually, all attendees at a workshop, whether as the presenters or the questioners, bring home a sense of learning new things by meeting their peers from other companies that have the same challenges in developing advanced and, sometimes, competitive products. This knowledge discovery goes beyond the bounds of organizations - enabling participants to engage in lively conversations leading to friendships with engineers from other companies.

In addition, the locations for having discussions are not limited to the presentation meeting room. During the three-days, most dinners and social hours are hosted by the workshop for people to meet and enjoy each other's company. In addition, there are off-site tours that will be provided for learning and personal interactions. Many opportunities will occur for each participant to continue their engineering discussions and to become personally acquainted with their peers. Please feel free to make the most of these three-days of learning and enjoyment. It will be an experience you will never regret.



Return to: hiroshi.go.wt@hitachi.com

Hiroshi Go of Hardware Technology Development Dep. Hitachi Ltd., Enterprise Server Division.

Registration Form to the 2006 IEEE Systems Packaging Japan Workshop

Hotel de YAMA, Hakone, Japan January 30– February 1, 2006

www.odakyu-hotel.co.jp/yama-hotel/english/

Please fill out and return this form to the above e-mail address.

Registration Form:

Family Name: _____ First Name: _____

Middle Name: _____

Affiliation: _____

Address: _____

E-mail: _____

Telephone: _____

Facsimile: _____

Payment of Registration Fee:

Pre-registration: 42,000 Yen by card: Visa and MasterCard are acceptable.

On-site registration: 45,000 Yen in cash

Registration fee includes two lunches, two dinners and a technical tour.

Registration fee does not include payment for hotel accommodations.

Fax: +81-42-767-1012 (042-767-1012 in Japan)

Kazuhiro Otko, Chief of the Reservation Center of Hotel de YAMA, Hakone

2006 IEEE Systems Packaging Japan Workshop, January 30 - February 1, 2006

Hotel Accommodation Form

* Japanese guests are requested to fill the form with Japanese letters and Arabic numerals, and add *furiganas* to the guest's name.

	Mr./Ms.	Family Name	First Name	Middle Name
<i>furigana</i> Guest's Name 1				
Affiliation	University/Organization/Company & Department/Section			
Address				
TEL/FAX	TEL:	Confirmation will be sent to this number		
		FAX:		
Arrival	2006 January		Time:	
Departure	2006 February		Time:	

* When 'two persons in one room' is selected, please fill the below.

	Mr./Ms.	Family Name	First Name	Middle Name
<i>furigana</i> Guest's Name 2				
Affiliation	University/Organization/Company & Department/Section			
Address				
TEL/FAX	TEL:	FAX:		
Arrival	2006 January		Time:	
Departure	2006 February		Time:	

Room rates per person and night: 12,000 yen for 'one person in one room'
10,000 yen for 'two persons in one room'

* Breakfast service is included in the above rates.

* Room rates do not include a 5% tax and a 150 yen tax for hot spring baths.

Request/Remarks			
Hotel Use			CFM#
Received:	/	/	by:

Cancellation notice: () Put a check mark in the left brackets and facsimile this form again.

Hotel de YAMA TEL: +81-460-3-6321

80 Motohakone Hakone-cho Ashigarashimogun Kanagawa-Ken 250-0522, Japan