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## Welcome to MATSUE

Dear Colleagues,

On behalf of the Executive Committee, Organizing Committee, and the Surface Analysis Society of Japan, I am pleased to invite you to attend the International Symposium on Practical Surface Analysis (PSA-98) and hope you will find it both a fruitful and an enjoyable experience.

More than 100 contributors and 13 distinguished invited speakers from all over the world seems to suggest that this meeting has been well received in the surface analysis community. The scope of this international symposium covers the practical application and future role of surface analytical techniques in various fields of industry. We hope to provide an opportunity for scientists and engineers from many areas to get together and discuss the practical aspects of surface analysis.

In conjunction with PSA-98, the second Korea-Japan International Symposium on Surface Analysis will be held as a satellite meeting in Kunibiki Messe on 22 October. I also invite you to this joint symposium. The participation fee is free.

The city of Matsue is very well known for its scenic beauty and its beautiful old castle, and it is located near the ocean on the western side of Japan in the prefecture of Shimane. I hope you will enjoy nice weather and the delicious food during the symposium, and we will arrange an excursion to Izumo shrine during the conference week.

This brochure includes the final program and the necessary information. All symposium information will be also available at <http://sekimori.nrim.go.jp>.

I am waiting for you in Matsue.



Kazuhiro Yoshihara  
Chairman of the Executive Committee  
National Research Institute for Metals

## GENERAL INFORMATION

### Instructions for speakers and poster presenters

#### Oral presentations

The total time allocated for invited lectures is 40 minutes, and the time for oral contributions is 20 minutes. This includes about 5 minutes for discussion. An overhead projector and a digital projector for computer are available. Slide projector only on special request to the chair of the program Committee (Prof. S. Hofmann [sieghe@nrim.go.jp](mailto:sieghe@nrim.go.jp)) by September 30.

#### Poster presentations

The poster presentation session takes place in the Large Exhibition Hall on Tuesday (Oct. 20) afternoon from 14:00 to 17:00.

Before the poster presentations, short oral presentations are scheduled at the International Congress Hall in the morning of the same day (Oct. 20) from 10:50 to 12:30. Each presenter of a poster is requested to

introduce and summarize the topic of the poster on one viewgraph and within **one minute** (about the time to read an English abstract of about 250 words).

Space for individual posters will be 1.8 m wide and 0.9 m high. Poster presenters are asked to put up their poster already on Monday, Oct. 19, after 15:00, to enable maximum showing time. Please ensure that all posters are removed at the end of Oct. 20.

### **Chairpersons**

All chairpersons are requested to be present in the International Congress Hall 20 minutes before the start of the session.

### **Language**

The official language will be English. No translation facilities are provided.

### **Location**

The city of Matsue is located near the ocean in Shimane prefecture in the north-western district of the main island of Japan, which is called Honshu island. Matsue is the capital city of Shimane prefecture. Here, you can enjoy many kinds of fresh delicious seafood and a mild ocean breeze. Matsue is well known for its scenic beauty, its castle, and Lake Shinji, and it has been loved by many visitors to Japan, including the famous novelist Lafcadio Hearn. In October, the average temperature is about 16 C, and it gets slightly cooler in the evening. If you plan to explore Matsue or the Izumo district, we suggest that you bring a comfortable coat or perhaps rainwear.

The month of October under the old lunar calendar is known in the Izumo district as Kami-ari-zuki, or the Month of Gods. Elsewhere in Japan, it is known as Kanna-zuki, or the Month without Gods, because the entire collection of Japanese gods gather at Izumo Grand Shrine every year in October to deliberate on the coming year's events.

When in Japan there is a 5% consumption tax. The prices listed on an item normally do not include the 5% tax. However, in some case the tax is included in the price. In duty free shops there should not be any 5% consumption tax.

### **Address**

Kunibiki Messe (Shimane Prefecture Industrial Exchange Hall)

3669, Nishi-kawatsu-cho, Matsue, Shimane 690-0823, Japan

TEL: +81-852-24-1111 FAX: +81-852-22-9219

**Office of PSA-98 Executive Committee in Kunibiki Messe (Available from Oct. 18 afternoon to Oct. 21)**

**TEL: +81-852-32-1908 FAX: +81-852-23-1401**

### **Insurance**

The organizers cannot accept responsibility for loss or damage to private property of participants and accompanying persons which may occur either during or arising from the Conference.

### **Money Exchange and Use of Credit Card in Matsue**

Major credit cards are welcomed at many shops, restaurants, hotels, etc. in Matsue city. However, there will be no cashing machine with credit cards. Cashing service is only available through bank tellers, although acceptable credit cards are limited. Kunibiki-Branch Office (く に び き 支 店) of Sanin-Godo Bank (山陰合同銀行), nearest from Kunibiki Messe (about 500 m), accepts VISA and JCB cards only. It usually takes about half an hour for the service.

### **Powell Prize**

The 4th annual Powell Prize will be awarded by the Organizing Committee for the best poster presentation, which will be selected by the votes of all of the attendants at PSA-98.

## IMPORTANT ADDRESSES

### Secretary

Dr. Shingo Ichimura  
Secretary, PSA-98  
Electrotechnical Laboratory  
1-1-4 Umezono, Tsukuba 305-8568, Japan  
E-mail: shingo@etl.go.jp  
TEL: +81-298-54-5729  
FAX: +81-298-54-5733

### Proceeding Submission

Dr. Shigeo Tanuma  
Chair of the Editorial Board, PSA-98  
Japan Energy ARC. Co. Ltd.,  
3-17-35 Niizo-Minami, Toda, Saitama 335-8503, Japan  
E-mail: stanuma@j-energy.co.jp  
TEL: +81-48-433-2145  
FAX: +81-48-433-2150

### Accommodation & Hotel Booking

Ms. M. Katsube or Mr. K. Matsumoto  
Nippon Travel Agency, CO., LTD., Tokuyama Branch  
1-29 Ginza, Tokuyama, Yamaguchi 745-0032, Japan  
Fax: +81-834-21-0829

## KEY DATES

Manuscript Deadline for Proceedings

September 30, 1998

## ORGANIZATION

### Organizing Committee

President: R. Shimizu, *Osaka Univ., Osaka*

Y. Gohshi *National Inst. for Environmental Studies*

H. Tokutaka *Tottori Univ.*                      A. Moritani *Shimane Univ.*

### Executive Committee

Chairman: K. Yoshihara, *NRIM, Tsukuba*

Secretary: S. Ichimura, *ETL, Tsukuba*

V. B. Crist	<i>XPS International</i>	A. Kojima	<i>Matsushita Technoresearch, INC.</i>		
K. Dohmae	<i>TOYOTA CRDL</i>	M. Koizumi	<i>Mitsubishi Materials</i>	Y. Ohtsuka	<i>ULVAC Japan</i>
S. Fukushima	<i>NIRIM</i>	K. Miura	<i>Tokuyama</i>	K. Sasakawa	<i>KOBELCO RES. INST.</i>
Y. Furukawa	<i>DENKA</i>	M. Nagoshi	<i>Kokan Keisoku</i>	Y. Shichi	<i>NISSAN ARC</i>
M. Furuya	<i>KITRI</i>	M. Nakamura	<i>Fujitsu</i>	M. Suzuki	<i>NTT-AT</i>
M. Inoue	<i>Setsunan Univ.</i>	A. Nisawa	<i>Rigaku</i>	T. Tanaka	<i>Hiroshima Inst. Tech.</i>
M. Jo	<i>ETL</i>	T. Ogiwara	<i>Japan Energy ARC</i>	M. Yoshitake	<i>NRIM</i>
S. Kishida	<i>Tottori Univ.</i>				

### Program Committee

Chairman: S. Hofmann, *NRIM, Tsukuba*

K. Endo	<i>Kanazawa Univ.</i>	Y. Homma	<i>NTT</i>	A. Tanaka	<i>ULVAC-PHI</i>
Y. Fukuda	<i>Shizuoka Univ.</i>	T. Sekine	<i>JEOL</i>	S. Tanuma	<i>Japan Energy ARC</i>
K. Goto	<i>Nagoya Inst. of Technol.</i>				

### International Advisory Committee

J. T. Grant	<i>Univ. of Dayton, USA</i>	C. J. Powell	<i>NIST, USA</i>
A. Jablonski	<i>Inst. Phys. Chem., Poland</i>	M. P. Seah	<i>NPL, UK</i>
C. Le Gressus	<i>CEA, France</i>	S. Tougaard	<i>Odense Univ., Denmark</i>

## **PROCEEDINGS**

### **Papers**

All manuscripts for the presentations must be sent to the editorial board **before September 30, 1998**. All papers will be reviewed by selected individual participants at the symposium.

### **Submission of Manuscript**

The author(s) should submit the manuscript together with a Contribution Form (page 8) and a Reprint Order Form if needed (page 10).

The author(s) should attach a JSA/Copyright Transfer Form (page 9) if author(s) would like to transfer the copyright to the Surface Analysis Society of Japan in order to attain the maximum circulation of the article.

The manuscript in triplicate (the original typescript and two clear photocopies) should be addressed to:

**Dr. Shigeo Tanuma /PSA-98 Editor**  
**Japan Energy ARC. Co. Ltd.,**  
**3-17-35 Niizo-Minami, Toda**  
**Saitama 335-8503, Japan**

### **Preparation of Manuscript**

- (1) Manuscript must be written in English. The paper size should be either A4 or letter size. They should be brief and not exceed four pages for contributed (six pages for invited) paper in printed form including Tables, Figures, other illustrations, and References and Notes. The entire manuscript must be submitted in camera-ready form on good quality paper. See MINITEMPLATE and EXAMPLE. (pages, 6 and 7)
- (2) The title should have a column width of 17 cm with a character size of 18 points in Times (or Times New Roman) bold.
- (3) The names of the authors and addresses at which the research was done should appear under the title and should have a column width of 17 cm with a character size of 12 points in a Times (or Times New Roman) font.
- (4) The date received is the day on which the editor receives the article. The Editorial Office enters the date between the addresses and abstract. Please make a space for this purpose.
- (5) The abstract must have a column width 16 cm with 3.8 mm line spacing, full justification, and a character size of 10 points.
- (6) The text must have two columns width 8 cm with 4.5 mm line spacing, and a character size of 11 ~ 12 points.
- (7) The Reference to the literature should be numbered in the text with [ ] style. For example: Suzuki et al. [2], by Yoshihara [5, 6], and Ichimura [10]. The list of the literature cited should be headed by the phrase Reference and numbered [1], [2], [3], etc., by the numbers used in the text.

### **Publication of Papers and Conference Proceedings**

All accepted papers will be published in a regular issue (Volume 4, Number 4) of the Journal of Surface Analysis. Both the participant and student fees include the cost of one volume of the Proceedings.

Template

Example

<i>PSA-98 Contribution Form</i>		
Received:	(Do not Fill)	
Manuscript No.	(Do not Fill)	
Title:		
Authors:		
Organization:		
Corresponding Author's Name and Address: Name		
Organization	Street	City
Province/State	Country	ZIP code
Tel.:	-	-
Fax:	-	-
e-mail:		
Category: Original paper, <del>Review, preliminary TASSA, Lecture, Technical Report, Meeting Report, Notice, Abstract of Talk, Opinion,</del> Other(—————)		
Keywords:		
AES, XPS, SIMS,		
Chemical Formula (            )		
Theory, Monte Carlo , Round Robin, Instrumentation,		
Date of Submission:                                /                                /		
Suggestion of Referees(up to 3 persons, this is not mandatory):		
Name		
Address		
Tel.	Fax	e-mail
Name		
Address		
Tel.	Fax	e-mail
Name		
Address		
Tel.	Fax	e-mail



## AGREEMENT of COPYRIGHT TRANSFER

Copyright for the article, which is an original work and has not been published elsewhere, entitled:

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by the following author(s)

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is hereby transferred to the *Surface Analysis Society of Japan* (SASJ), when the article is accepted for publication in the *Journal of Surface Analysis*. SASJ shall have the right to publish the article in any medium or form in the future.

One of the authors or his/her employer denoted below shall sign this form on behalf of all authors and/or their employers. SASJ assumes that the author (denoted as 'representative author') or his/her employer is authorized to sign by other authors or their employers.

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The author(s) may use all proprietary rights, such as patent rights, other than copyright. The author(s) may use all or portions of the article in the future for non-commercial purpose. If the article is written as work-for-hire, the employer may use all or portions of the article for intra-company use, provided copyright notice is given. If the author(s) is (are) employed by the Japanese or a foreign government and the work is done in the scope of his/her employment, or the article is work-for-hire and written pursuant to a government contract, the government retains the right to reproduce all or portions of the article for government purposes.

**Signature:**

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**Name (printed):**

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**Date:**

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**Institution:**

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## Reprint Order Form

Reprints with covers may be ordered only in lots of 50 with a minimum of 50. The prices are listed below and they include the mailing fee in Japan.

Number of reprints	Price of reprints in Japanese Yen
50(Minimum)	$14,000 + 2,000 \times (p-1)$
100	$14,200 + 2,200 \times (p-1)$
150	$14,400 + 2,400 \times (p-1)$
200	$14,500 + 2,500 \times (p-1)$

An air mail fee of an additional ¥2,000 is required for mailing to foreign countries.

Here, p is the total pages of the manuscript for the reprints wanted. For example, if the manuscript is 5 pages and the number of the reprints is 50, the price of reprints is ¥22,000. When p is more than 20 or the number of reprints is more than 200, please consult with the editorial committee.

**Title of Manuscript:** \_\_\_\_\_

**Author(s):** \_\_\_\_\_

**Journal of Surface Analysis** Volume: \_\_\_\_\_ Number: \_\_\_\_\_ Page: from \_\_\_\_\_ to \_\_\_\_\_

**Total Number of Reprints Wanted:** \_\_\_\_\_ **Price of Reprints:** ¥ \_\_\_\_\_ (a)

**Additional Charges (Airmail):** ¥ \_\_\_\_\_ (b)

**Total Amounts of Price:** ¥ \_\_\_\_\_ (a+b)

Reprint orders must have only one billing address and one shipping address (not necessarily the same). Please fill out the following columns (in Japanese, if the addresses are in Japan).

**Ship to:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Institution to be billed:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Date** \_\_\_\_\_ **Signature of Authorized Agent** \_\_\_\_\_

### Payment Instructions

After the reprints and the invoice are shipped, the payment should be remitted to the Bank Account pointed out on the invoice (from Japan/Foreign Countries) or a check may be sent (from Foreign Countries).



## **SOCIAL EVENTS**

### **Welcome Party**

Sunday 18 October 1998 Time: 18:00 - 20:00

Place: Meeting Room 303-304

Price: Free

The Party will enable participants to meet colleagues from around the world, while enjoying refreshments.

### **Excursion**

Sunday 18 October 1998 Time: 12:30-17:30

Price: ¥3,000 (about \$25) per person

Bus tour visiting Izumo Taisha (shrine) and Shimane Winery, with a guide explaining in English. Izumo Taisha is one of the most famous shrines in Japan. The god of this shrine, Daikoku-sama (Ohkuninusi-no-mikoto) is the God of Luck, Marriage and Happy Relations. At the Shimane Winery, you will have a short tour of the winery and wine tasting. The bus picks up passengers at the Hotel Ichibata (12:30), Matsue New Urban Hotel (12:35), Matsue Washington Hotel (12:45), Masue Tokyu Inn (12:55) and Izumo Airport (about 13:45). After the sightseeing, the bus takes you back to Kunibiki Messe (about 17:30) or your hotels (about 18:00).

This tour is available by reservation on the registration form. After August 31, the reservation is acceptable only by e-mail. Please contact to Dr. Nagoshi (nago@lab.keihin.nkk.co.jp) no later than September 30.

### **Banquet**

Tuesday 20 October 1998 Time: 18:00-20:00 Place: Exhibition Hall

Price: ¥5,000 (about \$40) per person

A buffet-style banquet at the Kunibiki Messe. The award ceremony for the Powell Prize will be held prior to the banquet. Tickets for the evening may be reserved on the registration form or purchased at the registration desk before 19th October.

### **Accompanying Person's Program**

We hope that many delegates will take the opportunity to bring their partners to PSA-98. The Accompanying Person's registration fee includes tickets to the welcome party, a Japanese-style tea ceremony and a sightseeing boat tour around Lake Shinji.

Monday 19 October 1998

#### **Japanese-style tea ceremony**

Place: Foyer of the Kunibiki Messe

Time: 13:30 - 15:00

A Japanese-style tea ceremony will be held. Accompanying persons (and Conference participants) can enjoy traditional green tea and sweets.

#### **One-hour boat cruise on Lake Shinji**

Appointed Place: Foyer of the Kunibiki Messe

Appointed Time: 16:15

The excursion boat will leave at 16:50 from the pier and we will see the beautiful sunset over Yome-ga-shima. Conference participants who wish to join the tour are also welcome to do so, but at their own expense.

Tuesday 20 October 1998

Half-day tour of Matsue City

Place: Reception Hall of Matsue Tokyu Inn

Time: 9:00 - 12:00 Price: 1,000 YEN (about \$7)

The tour will visit Matsue Castle and Shiomi Nawate (an ancient residential street lined with pine trees and historic samurai residences) from JR Matsu Station. It includes a one-day pass for the circular

"Lake-Line" bus around the city and for the canal boat. Those wishing to go shopping can visit the traditional shop at Kyo-mise in the afternoon.

Wednesday 21 October 1998

Half-day bus tour (regular Japanese sightseeing bus)

Time: 9:00 - 14:00

Place: Reception Hall of Matsue Tokyu Inn

Price: 5,150 YEN (about \$40) including lunch

The bus tour will first visit the Yaegaki Shrine and the Kamosu Shrine. The former commemorates the union of the Princess Inata and Lord Susano after he courageously subdued the threatening eight-headed serpent, Yamatano Orochi. The latter is the oldest Taisha-zukuri, or Grand-style shrine structure, remaining in Japan. Then the tour moves on to the Adachi Museum, which features a large collection of work by masters of contemporary Japanese painting, and Japan's largest collection of works by Taikan Yokoyama (a famous Japanese artist).

## ACCOMMODATION

A sufficient number of good quality rooms have been reserved at several hotels in Matsue City within a reasonable price range from ¥8,000 to ¥10,000 (single), and ¥14,000 to ¥22,500 (twin). The room rates include service charge and tax, and meals are not included. Nippon Travel Agency, Co., LTD. has been appointed the official accommodation agency for the symposium. Also, Nippon Travel Agency, Co., LTD. offers the transportation within Japan.

Payment must be made in Japanese Yen and should be made by the use of Credit Card. American Express Card, Diners Card, VISA Card, Master Card or JCB Card can be used. Those who wish use an another credit card are requested to inquire to Nippon Travel Agency, Co., LTD. Payments will be handled by Nippon Travel Agency, Co., LTD.

In case of cancellation or change of the period of your stay, written notification should be sent to Nippon Travel Agency, Co., LTD. The following cancellation fees will be charged:

Up to 4 days prior to the first night stay	No charge
3 days to 1 day prior to the first night stay	20% of daily room charge
On the reserved date no show	100% of daily room charge

For any inquiries please contact:

**Ms. M. Katsube or Mr. K. Matsumoto**

**Nippon Travel Agency, CO., LTD., Tokuyama Branch**

**1-29 Ginza, Tokuyama, Yamaguchi, Japan 745-0032**

**Fax: +81-834-21-0829**

Participants who wish to apply for Hotel Accommodations should fill out HOTEL RESERVATION REQUEST FORM and return it to Nippon Travel Agency, Co., LTD. The official reservation request has been already over on August 20, 1998. The request form is applicable in September and hereafter, and the hotel room will be reserved if there is a vacancy. Nippon Travel Agency, Co. Ltd. and PSA-98 secretariat **cannot guarantee your hotel room reservation.** Reservation will not be processed without a form of guarantee.

Code	HOTEL NAME (Address, Tel & Fax)	Single	Twin	Breakfast Rate(¥)	(1) Access From: JR Sanin Line Matsue Station	(2) Access To: Kunibiki Messe
		Rate(¥)	Rate(¥)			
1	HOTEL ICHIBATA 30 Chidoricho, Matsue 690-0852 TEL +81-852-22-0188 FAX +81-852-22-0230	10,000	22,500 (Lake Side) 18,000 (Garden Side)	1,800	10 Min By Car	10 Min By Car
2	MATSUE TOKYU INN 590 Asahicho, Matsue 690-0003 TEL +81-852-27-0109 FAX +81-852-25-1327	8,500	16,000	1,300	1 Min Walk	5 Min Walk
3	MATSUE WASHINGTON HOTEL 2-22 Higashihonmachi, Matsue 690-0842 TEL +81-852-22-4111 FAX +81-852-22-4120	8,000	16,000	1,300	5 Min By Car	10 Min Walk
4	MATSUE NEW URBAN HOTEL 45-2 Chayamachi, Matsue 690-0845 TEL +81-852-23-0003 FAX +81-852-23-0012	8,000	14,000	1,300	10 Min By Car	10 Min By Car

Note: Room rates include 10% service charge and tax.  
Meals are not included in the above room rate.

[Cancellation]

Date of Cancellation	Up to 4 days prior to the first night stay	3 days to 1 day prior to the first night stay	On the reserved date no show
Cancellation Charges	No charge	20% of daily room charge	100% of daily room charge

**HOTEL RESERVATION REQUEST FORM**  
**ISO/TC202 Meeting** (October 12 (Mon.) – 14 (Wed.))  
**ISO/TC201 Meeting** (October 15 (Thu.) – 17 (Sat.))  
**PSA-98** (October 19 (Mon.) – 21 (Wed.))  
**Korea-Japan International Symposium** (October 22 (Thu.))  
Matsue City, Shimane Pref., Japan

Guest Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State/Province: \_\_\_\_\_  
Country: \_\_\_\_\_ Postal Code: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Arrival Date: \_\_\_\_\_ Departure Date: \_\_\_\_\_

Payment (Credit Card only)

Credit card Number: \_\_\_\_\_ Exp. Date: \_\_\_\_\_  
AMEX      DINERS      VISA      Master      JCB

Those who wish use an another credit card are requested to inquire to Nippon Travel Agency, Co., LTD.

Hotel Accommodations

Your Choice of Hotel (Please List Hotel Names)		Hotel Code
First Choice		
Second Choice		
Room Type	Single      Twin	
Breakfast	Yes      No	
Room Sharing With		

Special Requests:

\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

When complete, Fax this form to:

Fax: +81-834-21-0829

Ms. M. Katsube or Mr. K. Matsumoto

Nippon Travel Agency, CO., LTD., Tokuyama Branch

1-29 Ginza, Tokuyama, Yamaguchi, Japan 745-0032

**The official reservation request has been already over. This form is applicable in September and hereafter, and the hotel room will be reserved if there is a vacancy. Nippon Travel Agency, Co. Ltd. and PSA-98 secretariat cannot guarantee your hotel room reservation. Reservation will not be processed without a form of guarantee .**

## REGISTRATION

### Participants Fees

Participants	20,000 yen	(about US\$140 as of August 1998)
Students	10,000 yen	
Accompanying Persons	1,000 yen	

Participants and Students fees include: admission to all conference sessions  
one copy of the abstract booklet  
one copy of the proceedings  
Coffee/Tea during breaks

Accompanying Persons fee includes: accompanying person's program

### Registration and Payment

Applications for registration should be made by completing and sending the Registration Form to the Secretary no later than August 31, 1998. All applications by the domestic applicants should be accompanied with full payment of the registration fee in Japanese yen only in the form of bank transfer. For applicants from overseas, payment can be made on-site.

#### Bank Transfer

Account Name: PSA98

(note: no [-] hyphens nor ['] apostrophes)

(note: for domestic transfer, this account is "Futsu-u" Koza)

Account Number: 1414923

The Jojo bank, Kenkyu Gakuen Toshi Branch

note: Bank charges should be borne by the applicants.

### Registration Desk

The registration desk in the Kunibiki Messe will be open according to the following schedules;

Sunday,	October 18	-----	16:00 - 19:00
Monday,	October 19	-----	8:30 - 17:00
Tuesday,	October 20	-----	8:30 - 17:00
Wednesday,	October 21	-----	8:30 - 13:30

### Bursaries

There will be some numbers of bursaries for partial support for registered participants (students included) from overseas. The amount of support will be 15,000 yen/person. Please contact to the secretary, Dr. Shingo Ichimura (e-mail: shingo@etl.go.jp).

### Cancellations of Registrations and Refunds

Cancellations should be made in writing to the secretariat. The amount of refund will depend on the date of cancellation as follows:

Cancellation received on or before August 31: amount paid minus bank charge

Cancellation received after August 31: No refund

note: Refunds will be made after the symposium.







## ACCESS

Main international airports are Tokyo (東京)-Narita (成田), Osaka (大阪)-Kansai (関西), and Fukuoka (福岡) airports from overseas. After arriving at an international airport, you can fly to the Izumo(出雲) airport from domestic airports known as Tokyo-Haneda (羽田), Osaka-Itami (伊丹), or Fukuoka airport. A Short trip by limousine bus or JR line takes you from international airports to domestic airports. There are no domestic flights from international airports, except Fukuoka. Alternatively, you can travel by express trains called JR Shinkansen from Tokyo, Osaka, or Fukuoka which connect to the local line at Okayama (岡山). It takes a total of about 4 hours from the Tokyo-Narita international airport to Matsue (松江) by domestic flight. From the Osaka-Kansai international airport it takes about 4.5 hours to get to Matsue by train. More detailed travel information will be available on the Internet early in March 1998, at the Surface Analysis Society of Japan's home page (<http://sekimori.nrim.go.jp>). If, whatever you did, you could not download the detailed information from the home page, you can contact for inquiries with Dr. Shingo Ichimura, Secretary of PSA-98 (E-mail: [shingo@etl.go.jp](mailto:shingo@etl.go.jp)).

## Detailed Information

### From Narita Airport [New Tokyo International Airport] to Matsue city

#### [1] By Airplane

Narita Airport - (On Foot) -> Limousine Bus stop - (Bus - See Following Table 1) -> Haneda Airport [Tokyo International Airport] - (Airplane - See Following Table 2) -> Izumo Airport - (Bus - See Following Table 3) -> Matsue city

Table 1            **Transportation from Narita Airport to Haneda Airport**

Destination	Transportation	Duration(min.)	Cost(Yen)
Haneda Airport	Limousine Bus	75	3,000

Table 2            **Transportation from Haneda Airport to Izumo Airport**

Destination	Transportation	Duration (min.)	Cost(Yen)
Izumo Airport	06:55 -> 08:15 (JAS271)	80	
	10:45 -> 12:05 (JAS273)		
	12:55 -> 14:15 (JAS275)		
	15:00 -> 16:20 (JAS277)		23,050
	17:40 -> 19:00 (JAS279)		

Table 3 **Transportation from Izumo Airport to Matsue city**

Destination	Transportation	Duration (min.)	Cost(Yen)
Matsue City	Shuttle bus(Ichibata Bus)	39	920

You can choose another way to go to Haneda Airport as follows.

Narita Airport - (On Foot) -> JR Narita Sta. - (JR Line) -> JR Tokyo Sta. - (JR Line) -> JR Hamamatsu-cho Sta. - (On Foot) -> Tokyo Monorail Hamamatsu-cho Sta. - (Monorail) -> Tokyo Monorail Haneda Airport Sta. - (On Foot) -> Haneda Airport (See Following Table 4)

Table 4 **Transportation from Narita Airport to Haneda Airport by Railway**

Destination	Transportation	Duration (min.)	Cost(Yen)
1)Tokyo Sta.	JR Soubu Line(to Tokyo Sta.)		
	(a)NEX(Express)	63	3,110
	(b)Airport Narita(Rapid)	85	1,450
2)Hamamatsu-cho Sta.	JR Yamanote Line or JR Keihintouhoku Line		
		6	150
3)Haneda Airport	Tokyo Monorail	23	470

NEX[Narita Express] has only reserved seat. The seat of NEX is assigned when you purchase a ticket.

Total Costs = 26,570 - 27,150 yen , Total Duration = 174 - 200 min.

## [2] By Railway (By Shinkansen)

Narita Airport - (On Foot) -> JR Narita Sta. - (JR Line) -> JR Tokyo Sta. - (JR Line) -> JR Okayama Sta. - (JR Line) -> JR Matsue Sta. (See Following Table 5)

The price of JR line from JR Narita Airport Sta. to JR Matsue Sta. is 12,290 yen. if you purchase NEX ticket, Shinkansen ticket and limited express ticket, you should pay extra cost as indicated in Table 5.

Table 5 **Transportation from Narita Airport to Matsue city**

Destination	Transportation	Duration(min.)	Exp.(Yen)
1)Tokyo Sta.	JR Soubu Line(to Tokyo Sta.)		
	(a)NEX(Express)	63	1,660
	(b)Airport Narita(Rapid)	85	0
2)Okayama Sta.	Shinkansen(Tokaido-Sanyo)		
	(a)Nozomi(Reserved Seat)	195	7,500
	(b)Hikari	234	6,170
3)Matsue Sta.	Hakubi Line-Sanin Line	140	1,300

The price of above table 5 shows only express fee.

Please choose (a) or (b).

The duration is one example. The exact Duration depends on each train.

Total Costs = 19,760 - 22,750 yen , Total Duration = 400 - 460 min.

Narita Airport : New Tokyo International Airport

Haneda Airport : Tokyo International Airport/Tokyo Domestic Airport

JAS : Japan Air System

JR : Japan Railway

NEX : Narita Express

Shinkansen : Hikari Supper Express, Nozomi Supper Express

### From Kansai International Airport to Matsue city

#### [1] By Railway

Following Table 1) -> JR Shin-Osaka Sta. - (Shinkansen "Nozomi" or "Hikari", See Following Table

2) -> JR Okayama Sta. - (Express "Super Yakumo", See Following Table 2) -> JR Matsue Sta.

Table 1 **Transportation From Kansai Airport**

Destination	Transportation	Duration (min.)	Cost (yen)
Nankai Namba	Nankai Line Rapiita	29	1,400
	Nankai Line Rapiita	34	1,400
	Express	43	890
	Limousine Bus	50	1,300
JR Osaka Sta.	Limousine Bus	50	1,300
	Express	55	1,160
JR Shin-Osaka Sta.	JR Limited Express Haruka	45	2,980

**Transportation From Nankai Namba Sta.**

Destination	Transportation	Duration (min.)	Cost (yen)
JR Shin-Osaka Sta.	Subway Midosuji Line	14	270

**Transportation From JR Osaka Sta.**

Destination	Transportation	Duration (min.)	Cost (yen)
JR Shin-Osaka Sta.	JR Toukaido Line	4	160

Table 2 **Transportation From Shin-Osaka by Shinkansen**

Destination	Transportation	Duration (min.)	Cost (yen)
JR Okayama Sta.	Nozomi (Reserved Seat)	43	6,120
	Hikari (Reserved Seat)	55	5,660
	Hikari (Non Reserved Seat)	55	5,350

Table 3 **Transportation From Okayama by JR Hakubi Line**

Destination	Transportation	Duration (min.)	Cost (yen)
JR Matsue Sta.	Reserved Seat	*	5,870
	Non Reserved Seat	*	5,360

\*Limited Express Super Yakumo : 140 min, Limited Express Yakumo : 164min

Kansai International Airport - (On Foot) -> JR Kanku Sta. - (Kanku Limited Express Haruka) -> JR Shin-Osaka Sta. - (Shinkansen Nozomi) -> JR Okayama Sta. - (Express Super Yakumo) -> JR Matsue Sta. **(Recommended Access from Kansai Airport to Matsue)**

Total Costs = 12,880 yen, Total Duration = 299 min.

**[2] By Airplane**

Kansai International Airport - (Bus) -> Osaka(Itami) Airport - (Airplane) -> Izumo Airport - (Bus) -> JR Matsue Sta.

Destination	Transportation	Duration (min.)	Cost (yen)
From Kansai Airport to Osaka Airport			
	Limousine Bus	80	1,700
From Osaka Airport to Izumo Airport			
	08:30 -> 09:35 JAC 471		
	09:30 -> 10:35 JAC 473		
	11:05 -> 12:20 JAC 475		
	14:25 -> 15:30 JAC 477		
	17:00 -> 18:05 JAC 479	65	14,600
From Izumo Airport to JR Matsue Sta.			
	Shuttle Bus	39	920

**From Fukuoka International Airport to Matsue city**

## [1] By Railway

Fukuoka International Airport - (On Foot) -> Subway Kuko Line Fukuokakuko Sta. - (See Following Table 1) -> JR Hakata Sta. - (JR Sanyou Shinkansen "Nozomi" or "Hikari", See Following Table 2) -> JR Okayama Sta. - (Limited Express "Yakumo" or "Super Yakumo", See following Table 3) -> JR Matsue Sta.

Table 1 **Transportation From Fukuoka Airport**

Destination	Transportation	Duration (min.)	Cost (yen)
JR Hakata Sta.	Subway Kuko Line	5	250

Table 2 **Transportation From Hakata by JR Sanyou Shinkansen**

Destination	Transportation	Duration (min.)	Cost (yen)
JR Okayama Sta.	Nozomi	108	12,930
	Hikari (Reserved Seat)	141	12,060
	Hikari (Non-reserved Seat)	141	11,550

Table 3 **Transportation From Okayama by JR Hakubi Line**

Destination	Transportation	Duration (min.)	Cost (yen)
JR Matsue Sta.	Reserved Seat	*	5,870
	Non-reserved Seat	*	5,360

\*Limited Express Super Yakumo : 140 min

Limited Express Yakumo : 164 min

Total Costs = 17,160 - 19,050 yen, Total Duration = 253 - 310 min.

## [2] By Airplane

1. Fukuoka International Airport - (Airplane) -> Izumo Airport - (Bus) -> JR Matsue Sta.
2. Fukuoka International Airport - (Airplane) -> Yonago Airport - (Bus) -> JR Yonago Sta. - (JR Line) -> JR Matsue Sta.

Destination	Transportation	Duration(min.)	Cost (yen)
From Fukuoka Airport to Izumo Airport			
Domestic flight only one flight a day			
		70	19,650
From Fukuoka Airport to Yonago Airport			
Domestic flight only one flight a day on Thu., Wed., Fri., Sun.			
		75	20,100
From Izumo Airport to JR Matsue Sta.			
	Shuttle Bus(Ichibata Bus)	39	920

ACCESS and MAP



## Floor Layout

Following the PSA-98, the second Korea - Japan International Symposium on Surface is scheduled from 8:30 a.m. to 17:00 p.m. on October 22 (Thursday) at Kunibiki Messe. The theme of this symposium is "Practical Analysis and Standardization". Any scientists are welcome to the symposium and friendly expected to have discussion, support, and help. The symposium requires no registration fee. Those who wish to join the symposium should apply to use application form contained in SASJ home page (<http://sekimori.nrim.go.jp>) or contact the following members of the Executive Committee. We are going to have a light banquet as you can promote mutual friendship and exchange many information. We would like to share comfortable time with you.

#### **Executive Committee**

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### **The Program of the 2nd Korea-Japan International Symposium on Surface Analysis "Practical Analysis and Standardization"**

Kunibiki Messe, Matsue, Shimane, Japan

October 22, 1998

- |       |  |
|-------|--|
| 8:30  | 1. Opening Addresses<br>S. Ichimura ( <i>ETL</i> , Japan) and D. W. Moon ( <i>KRISS</i> , Korea)   |
| 8:40  | 2. X-ray Photoemission and Auger Energy Shifts in Co-Pt Alloys<br>H. J. Kang ( <i>Chungbuk Nat'l Univ.</i> , Korea), J. H. Kim, Y. S. Lee, Y. D. Chung, and C. N. Whang    |
| 9:00  | 3. Activity of Metal Materials Group of SASJ<br>M. Nagoshi ( <i>NKK</i> , Japan) and Metal Materials Group of SASJ   |
| 9:20  | 4. Surface Characterization of Organic Electroluminescence Thin Film Materials<br>J. W. Lee ( <i>LG Corp. Inst. Technol.</i> , Korea), T. H. Kim, S. H. Kim, and S. T. Kim |
| 9:40  | 5. How to Determine the Measuring Conditions of XPS for Organic Materials<br>T. Maruyama ( <i>Xerox</i> , Japan), H. Tohma, N. Suzuki, and Organic Materials Group of SASJ |
| 10:00 | Coffee Break   |
| 10:20 | 6. Studies of Polystyrenes Using Time-of-Flight Secondary Ion Mass Spectrometry  |

(TOF-SIMS)

Y. Lee (*Korea Inst. Sci. Technol.*, Korea), S. Han, J.-H. Yoon, and H. E. Lim

- 10:40 7. Influence of Tilt Angle on Peak Profile in AES Measurement of Insulator  
Y. Ohtsuka (*ULVAC*, Japan) and Inorganic Materials Group of SASJ
- 11:00 8. Analysis of Hydrogen in Silicon Nitride Thin Films by Using ERD and FTIR  
J.-W. Lee (*Korea Material Anal. Corp.*, Korea), Y.-S. Choi, and S.-Y. Lee
- 11:20 9. Study of Electron Beam Irradiation Damage Factor for SiO<sub>2</sub> Film  
M. Nakamura (*Fujitsu*, Japan) and Electronic Materials Group of SASJ
- 11:40 10. SIMS Depth Profiling of Oxide Delta Multilayers  
D. W. Moon (*KRISS*, Korea), K. J. Kim, H. K. Kim, W. S. Kim, H. J. Kang
- 12:00 Lunch
- 13:30 11. Quantitative Comparison between AES and SIMS Depth Profiles of a GaAs/AlAs Multilayer Structure using the MRI-model  
A. Rar (*NRIM*, Japan), D. W. Moon and S. Hofmann
- 13:50 12. Analysis of Auger Depth Profile of InP/GaInAs Multilayer Specimen with a Resolution Function  
T. Ogiwara (*Japan Energy*, Japan) and S. Tanuma
- 14:00 13. One of the Activities in SASJ - Round-Robin Investigation for Energy Axis Correction in AES Measurements -  
M. Suzuki (*NTT-AT*, Japan) and SASJ
- 14:10 14. Towards Standards for Inelastic Electron Scattering Cross Sections for Use in XPS-Background Analysis  
S. Tougaard (*Odense Univ.*, Denmark)
- 14:30 15. Background Removal in Electron Spectroscopy with Inelastic Scattering Cross Sections Derived from REELS  
Y. F. Chen (*PIDC-Nat'l Sci., Cent.*, Taiwan)
- 14:50 16. Background Optimization Using Tougaard's Formula  
M. Jo (*ETL*, Japan)
- 15:00 17. Sharing of Spectral Data Using Common Data Processing System  
K. Yoshihara (*NRIM*, Japan)
- 15:15 18. Digital XPS Spectral Data-Base System of 30,000 Monochromatic XPS Spectra The SpecMaster Series  
B. V. Crist (*XPS Int'l*, Japan)
- 15:30 Coffee Break

- 15:45 19. Short Presentation (3-min and 1-OHP)  
**"Current Standards in AES, XPS and SIMS in our Laboratory"**  
SP1. D. W. Moon (*KRISS*, Korea)  
SP2. M. Seah (*NPL*, UK)  
SP3. C. J. Powell (*NIST*, USA)  
SP4. A. Tanaka (*ULVAC-PHI*, Japan)  
SP5. A. Nisawa (*Rigaku*, Japan)  
SP6. Y. Homma (*NTT*, Japan)  
SP7. B. V. Crist (*XPS Int'l*, Japan)  
SP8. A. Kojima (*Matsushita Technoresearch*, Japan)  
SP9. T. Ogiwara (*Japan Energy*, Japan)  
SP10. I. Kojima (*NIMC*, Japan)  
SP11. A. Kurokawa (*ETL*, Japan)  
SP12. M. Yoshitake (*NRIM*, Japan)  
SP13. M. Furuya (*Kanagawa IRI*, Japan)  
SP14. M. Kudo (*Seikei Univ.*, Japan)  
SP15. M. Inoue (*Setsunan Univ.*, Japan)  
SP16. K. Goto (*NIT*, Japan)
- 16:55 20. Closing Remark  
K. Goto (*NIT*, Japan)
- 18:00-21:00 Banquet at SUNRAPO-MURAKUMO