

# Second Announcement

19<sup>th</sup>

## General Meeting of the International Mineralogical Association

***Expansion to  
Nano, Bio, and Planetary Worlds***

*IMA2006-Kobe, Japan, July 23~28, 2006*

*At International Conference Center Kobe*

<http://www.congre.co.jp/ima2006/>





# 19th GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION

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# 1. Invitation

## Dear Colleagues:

We cordially invite you to join the 19th General Meeting of the International Mineralogical Association (IMA) to be held in Kobe, Japan, from July 23rd to 28th, 2006. The IMA is the only truly international organization promoting mineralogy, and is supported by subscriptions from 38 national mineralogical societies worldwide, with the General Meeting held every four years in one of the subscribing countries. The aim of the present Kobe Meeting in 2006 (IMA2006-Kobe) is to bring together scientists and researchers in the fields of mineralogy, geochemistry, petrology, mineral deposits, and related areas from all over the world to discuss recent progress and future trends. IMA2006-Kobe is organized jointly by The Mineralogical Society of Japan, The Japanese Association of Mineralogists, Petrologists and Economic Geologists, The Society of Resource Geology, and The Science Council of Japan.

Nestled in lush natural surroundings between the Rokko Mountains and the Seto Inland Sea, the port city of Kobe has benefited from its excellent natural harbor for more than 1,300 years. Kobe is now one of the world's foremost port cities. Traditional Japanese culture is also very much alive in Kobe, which is home to many historic shrines, temples, and traditional seasonal events. Kobe's rich blend of traditional Japan and various other cultures gives the city a unique atmosphere.

We heartily look forward to meeting you at IMA2006-Kobe, which will provide you with a wealth of outstanding scientific information and a great opportunity to interact with many colleagues in an excellent environment.

Sincerely yours,

Professor T. Yamanaka  
Chairman



# 19th GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION

## 2. Committees

### About IMA

The International Mineralogical Association (IMA) was established in 1958 as a non-profit organisation. The mission of the Association is to further international co-operation in the mineralogical sciences and to promote wider community awareness among international groups having Earth Science interests. Activities of IMA are regulated by its statutes. The eight commissions, five working groups and one committee of IMA are involved in a wide range of mineralogical practices of direct interest to governments, industry, and academic science.

The IMA Council meets every year in conjunction with an international meeting. Between council meetings affairs are regulated by the Executive Committee of IMA. Councillors and Officers of commissions and working groups are elected during the Business Meeting of the General Meeting, held every four years. IMA regularly provides information through reports and newsletters, to national mineralogical societies or groups which support IMA. IMA is a member of the International Union of Geological Sciences (IUGS) and maintains regular contact with some affiliates.

The IMA is the only truly international organisation promoting mineralogy, one of the oldest branches of science. Today it plays a vital role in human welfare, underpinning metalliferous mining, exploitation of industrial minerals, petroleum exploration and extraction, waste disposal, the remediation of pollution, and soil science. Mineral surfaces stand at the interface between the atmosphere, the biosphere, and the solid Earth. They are crucial to the understanding of climate and global change.

Mineralogy is fundamental to our knowledge of the chemistry, mode of formation and age of rocks, including extraterrestrial materials which give us clues about the origin of the Solar System and the likelihood of life on other planets. Experimental mineralogy, which strongly overlaps with materials science, allows us to deduce the nature of the deepest, most inaccessible, parts of the Earth.

### Officers and Council of the IMA

President	Ian Parson, Univ. of Edinburgh, Edinburgh, UK
Past-President	Anthony Naldrett, Surry, UK
1st Vice-President	Takamitsu Yamanaka, Osaka Univ., Osaka, Japan
2nd Vice-President	Nicolai P. Yushkin, Komi Sci. Center, Syktyvkar, Russia
Secretary	Maryse Ohnenstetter, CNRS-CRPG, Nancy, France
Treasurer	Cornelis Klein, Univ. of New Mexico, Albuquerque, USA
Councillors	Alain Baronnet, CRMC2 - CNRS, Case, France
	Ian H. Campbell, ANU, Canberra, Australia
	Werner Schreyer, Ruhr-Univ. Bochum, Bochum, Germany
	Kari K.R. Kojonen, Geol. Survey of Finland, Finland
	Marcello Mellini, Univ. di Siena, Siena, Italy



## Meeting Organization

### Organized and supported jointly by:

The Science Council of Japan  
 The Mineralogical Society of Japan (MSJ)  
 The Japanese Association of Mineralogists, Petrologists and Economic Geologists (JAMPEG)  
 The Society of Resource Geology (SRG)

### Organizing Committee, IMA 2006

General Chairman		T. Yamanaka (Osaka Univ.)
Secretariat	Chair	E. Ohtani (Tohoku Univ.)
	Vice-chairs	A. Tsuchiyama (Osaka Univ.) M. Nedachi (Kagoshima Univ.)
Scientific Program	Chair	K. Fujino (Hokkaido Univ.)
	Vice-chairs	M. Akaogi (Gakushuin Univ.) M. Arima (Yokohama National Univ.) T. Urabe (Univ. of Tokyo)
Science Excursion	Chair	S. Matsubara (National Sci. Museum)
	Vice-chairs	T. Yoshida (Tohoku Univ.) M. Shimizu (Toyama Univ.)
Treasury	Chair	T. Murakami (Univ. of Tokyo)
	Vice-chairs	T. Itaya (Okayama Sci. Univ.) M. Enjoji (Waseda Univ.)
Donation Committee	Chair	H. Kaneda (Toho Univ.)
Publicity	Vice-chair	Y. Yusa (Fuji Tokoha Univ.)
	Chair	R. Miyawaki (National Sci. Museum)
Meeting Secretariats and Local Arrangements	Vice-chairs	M. Aoki (Geol. Survey Jpn) T. Nagase (Tohoku Univ.)
	Chair	M. Matsui (Univ. of Hyogo)
MSJ, JAMPEG, SRG representatives	Vice-chairs	K. Tomeoka (Kobe Univ.) H. Sato (Kobe Univ.) S. Taguchi (Fukuoka Univ.)
	MSJ	Y. Kudoh (Tohoku Univ.)
	JAMPEG	Y. Osanai (Kyushu Univ.)
	SRG	Y. Seki (Geol. Survey Jpn) H. Matsueda (Hokkaido Univ.) Y. Morishita (Geol. Survey Jpn) Y. Watanabe (Geol. Survey Jpn)

### Scientific Program Committee

Chairman	Kiyoshi Fujino (Japan)	
Secretary	Masaki Akaogi (Japan)	
Members	Makoto Arima (Japan)	Georges Calas (France)
	Giovanni Ferraris (Italy)	Arkady Glikin (Russia)
	Simon L. Harley (UK)	Russell Hemley (USA)
	Soo Jin Kim (Korea)	Anhuai Lu (China)
	Anthony J. Naldrett (Canada)	Andrew Putnis (Germany)
	Tetsuro Urabe (Japan)	Ian S. Williams (Australia)
	Michael Zolensky (USA)	



# 19th GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION

## 3. Meeting Information

**Dates:** Sunday, July 23 - Friday, July 28, 2006

**Venue:** International Conference Center Kobe, Kobe, Japan

**Official Language:** English \* No simultaneous interpretation will be provided.

### Tentative Conference Schedule:

Sunday, July 23	Afternoon : Registration Opens Evening : Welcome Reception (V and V, World Co.,Ltd. Headquarters Building 26th Floor)
Monday, July 24	Morning : Registration, Oral Sessions Afternoon : Opening Ceremony, Plenary Lecture, Oral Sessions
Tuesday, July 25	Morning : Oral Sessions Afternoon : Plenary Lectures, Poster Session, Commissions and Working Groups Meetings, IMA First Business Meeting
Wednesday, July 26	Morning : Oral Sessions Afternoon : Plenary Lectures, Oral Sessions, Evening : Banquet (Portopia Hotel)
Thursday, July 27	Morning : Oral Sessions Afternoon : Plenary Lectures, Poster Session, Commissions and Working Groups Meetings, IMA Second Business Meeting
Friday, July 28	Morning : Oral Sessions Afternoon : Plenary Lectures, Oral Sessions, Closing Ceremony



## 4. Scientific Program

The scientific program includes 9 plenary lectures and 37 sessions on mineralogy, petrology, ore mineralogy, geochemistry and related fields. One or two plenary lectures will be presented each day.

### PLENARY LECTURES

- Jillian F. Banfield (Univ. of California, Berkeley, USA)  
"Microbial metabolism and nanoparticle products"
- Lukas Baumgartner (Univ. of Lausanne, Switzerland)  
"Metamorphic crystallization and element partitioning"
- Michael A. Carpenter (Cambridge Univ., UK)  
"Structural evolution, strain and elasticity of perovskites at high pressures and temperatures"
- Christoph A. Heinrich (ETH, Switzerland)  
"From inclusion micro-analysis to large-scale fluid transport in the earth's crust"
- Sumio Iijima (Meijo Univ., Japan)  
"Nano-material research learning from mineralogy"
- Eiji Ito (Okayama Univ., Japan)  
"Sintered diamond multi-anvil apparatus and its application to mineral physics"
- Lindsay P. Keller (NASA, USA)  
"The nature of early solar system and pre-solar materials"
- Catherine McCammon (Univ. of Bayreuth, Germany)  
"Microscopic properties to macroscopic behaviour: The influence of iron oxidation state"
- Yoshiyuki Tatsumi (JAMSTEC, Japan)  
"The subduction factory: how it operates in the evolving Earth"

### SCIENTIFIC SESSIONS

The scientific sponsor of each session is given between parentheses at the end of the session title and the names of the conveners follow. The corresponding convener is indicated by an asterisk\*.

The full names of the abbreviations of the sponsorship are given in the end of the list of the sessions.

#### Mineral Physics and High Pressure Mineralogy

1. Phase transitions and thermodynamic modeling of minerals and rocks (WGME): Masaki Akaogi\*(Gakushuin Univ.), Yingwei Fei (Geophysical Lab.), Stefano Poli (Univ. of Milano), Surendra K. Saxena (Florida International Univ.)
2. Physical properties of minerals and rocks at high pressure: Denis Andrault (Univ. of Paris), Tomoo Katsura (Okayama Univ.), Osamu Ohtaka\*(Osaka Univ.), Donald J. Weidner (SUNY, Stony Brook)
3. New applications of spectroscopy in mineral sciences: Georges Calas (Univ. of Paris), Catherine McCammon (Univ. of Bayreuth), Satoru Nakashima (Osaka Univ.), Keiji Shinoda\*(Osaka City Univ.)
4. Computational study of mineral structures and properties: Masanori Matsui\*(Univ. of Hyogo), G. David Price (Univ. College London), Lars Stixrude (Univ. of Michigan)
5. Mineralogy and dynamics of the mantle and core (CPM): Jay Bass (Univ. of Illinois), Kei Hirose (Tokyo Inst. of Technology), Eiji Ohtani\*(Tohoku Univ.), David C. Rubie (Univ. of Bayreuth)
6. Hydrogen, water and volatiles in the deep Earth: Daniel Frost (Univ. of Bayreuth), Toru Inoue\*(Ehime Univ.), Tatsuhiko Kawamoto (Kyoto Univ.), Joseph R. Smyth (Univ. of Colorado, Boulder)
7. Kimberlites, diamonds and mineral inclusions from the mantle: Minoru Akaishi (National Inst. for Materials Sci.), Makoto Arima\*(Yokohama National Univ.), Ben Harte (Univ. of Edinburgh), Nikolai V. Sobolev (Russian Academy of Sci., Novosibirsk)



# 19th GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION

## Structural Sciences of Minerals

8. Crystal structure, topology and crystal chemistry (CCM): Robert T. Downs (Univ. of Arizona), Yasuhiro Kudoh\*(Tohoku Univ.), Massimo Nespolo (Univ. of Henri Poincare Nancy 1), Satoshi Sasaki (Tokyo Inst. of Technology)
9. Structure and physical properties of melts and glasses (CPM): Grant S. Henderson (Univ. of Toronto), Masami Kanzaki\*(Okayama Univ.), Daniel R. Neuville (Univ. of Paris), Xianyu Xue (Okayama Univ.)
10. Mechanisms and kinetics of phase transformations: Ross J. Angel (Virginia Tech, Blacksburg), Michael A. Carpenter (Cambridge Univ.), Kiyoshi Fujino\*(Hokkaido Univ.), Tomoaki Kubo (Kyushu Univ.)

## Crystal Growth

11. Application of novel techniques for "in-situ" observation of crystal growth and nucleation (CMGIP): Andreas Lutge (Rice Univ.), Katsuo Tsukamoto\*(Tohoku Univ.)
12. Texture formation and crystal growth in geosciences (CMGIP): Michihiko Nakamura (Tohoku Univ.), Tadao Nishiyama\*(Kumamoto Univ.), Andrew Putnis (Univ. of Münster)
13. Nucleation and Aggregation of macro- to nano-materials (CMGIP): Lukas Baumgartner (Univ. of Lausanne), Masamichi Ishikawa\*(Tokyo Inst. of Technology)

## Hydrothermal Process and Mineralization

14. Sea-floor hydrothermal systems: Present and past examples: Rodney Allen (Univ. of Luleo), Munetomo Nedachi (Kagoshima Univ.), Tetsuo Urabe\*(Univ. of Tokyo)
15. Precious and base-metal deposits in magmatic arcs: John Dilles (Oregon State Univ.), Akira Imai (Kyushu Univ.), Yasushi Watanabe\*(AIST, Tsukuba)
16. Mineralogy of ore deposits (COM): Nigel J. Cook (Univ. of Oslo), Kari Kojonen (Geological Survey of Finland), Hiroharu Matsueda (Hokkaido Univ.), Roland K. W. Merkle (Univ. of Pretoria), Masaaki Shimizu\*(Univ. of Toyama)
17. Fluid and melt inclusions (WGIM): Mamoru Enjoji\*(Waseda Univ.), Christoph A. Heinrich (ETH, Zürich), Sergey Smirnov (Russian Academy of Sci., Novosibirsk), Zhaolin Li (Zhongshan Univ.)

## Petrologic Processes

18. Metamorphism under extreme P-T conditions: Masaki Enami\*(Nagoya Univ.), Simon Harley (Univ. of Edinburgh), Ananda Mohan (Baranas Hindu Univ.), Yasuhito Osanai (Kyushu Univ.), Jian-Jun Yang (Chinese Academy of Sci.)
19. Subduction factory and continental evolutions: Yoshihiko Tamura\*(JAMSTEC, Yokosuka), Graciano P. Jr. Yumul (Univ. of the Philippines, Quezon)
20. Oceanic crust and mantle processes: Shoji Arai\*(Kanazawa Univ.), Georges Ceuleneer (CNRS, Toulouse)

## Planetary Materials

21. Primitive meteorites, interplanetary dust and sample return missions (WGM): Tomoki Nakamura (Kyushu Univ.), Kazushige Tomeoka\*(Kobe Univ.), Michael E. Zolensky (NASA JSC)
22. Lunar and Martian rocks, differentiated meteorites and planetary missions: Timothy J. Fagan (Waseda Univ.), Kazuto Saiki (Osaka Univ.), Akira Yamaguchi\*(National Inst. of Polar Research)
23. Physical and chemical processes and chronology in the solar system (WGM): Guy Libourel (CNRS, Nancy), Frans J. M. Rietmeijer (Univ. of New Mexico), Akira Tsuchiyama\*(Osaka Univ.), Hisayoshi Yurimoto (Hokkaido Univ.)



## Environmental and Applied Mineralogy

24. Bio-Geo interface in minerals (WGOM, ICAM): Danielle Fortin (Univ. of Ottawa), Motoharu Kawano\*(Kagoshima Univ.), Kazue Tazaki (Kanazawa Univ.)
25. Mineral-water interactions: from microscopic to macroscopic aspects (ICAM): Jordi Cama (CSIC, Barcelona), Takashi Murakami\*(Univ. of Tokyo), Arthur F. White (U. S. Geological Survey)
26. Environmental and medical mineralogy (ICAM, WGEM): Anhuai Lu (Peking Univ.), Mihaly Posfai (Univ. of Veszprem), Tsutomu Sato\*(Kanazawa Univ.), David J. Vaughan (Univ. of Manchester), Roy Wogelius (Univ. of Manchester)
27. Clays and zeolites: natural and synthetic materials (ICAM): Toshihiro Kogure (Univ. of Tokyo), Osamu Terasaki (Stockholm Univ.), Atsushi Yamazaki\*(Waseda Univ.)
28. Crystals, ceramics and glasses with advanced physico-chemical properties (CAM, ICAM): Georges Calas (Univ. of Paris), Richard Hagni (Univ. of Missouri-Rolla), Falko Langenhorst (Jena Univ.), Masatomo Yashima (Tokyo Inst. of Technology), Akira Yoshiasa\*(Kumamoto Univ.), Satoshi Uda (Tohoku Univ.)
29. Process mineralogy (CAM, ICAM): Henrique Kahn (Univ. of Sao Paulo), Tadato Mizota (Yamaguchi Univ.), Kazumasa Sugiyama\*(Univ. of Tokyo)

## Mineral Heritage

30. Mineralogical and geological museums (CM): William D. Birch (Museum of Victoria), George E. Harlow (Amer. Museum of Natural History), Ritsuro Miyawaki\*(National Science Museum)
31. New minerals and mineral classification (CNMMN, CCM): Giovanni Ferraris (Univ. of Torino), Satoshi Matsubara\*(National Science Museum), Zhuming Yang (Chinese Academy of Sci.)
32. Natural and artificial gem materials (CGM): Lee A. Groat (Univ. of British Columbia), Corina Ionescu (Babes-Bolyai Univ. of Cluj-Napoca), Hisao Kanda (National Inst. for Materials Sci.), Takeshi Miyata\* (Yamanashi Inst. of Gemmology & Jewelry Arts)

## New Frontiers in Mineral Sciences

33. New applications of synchrotron radiation in earth and planetary sciences: Fabrice Brunet (Ecole Normale Supérieure, Paris), George J. Flynn (SUNY, Plattsburgh), Tetsuo Irifune\*(Ehime Univ.), Kenneth Kemner (Argonne National Lab.), Izumi Nakai (Tokyo Univ. of Sci.), Akira Tsuchiyama (Osaka Univ.)
34. Frontier applications of neutron sciences to mineralogy: Hiroyuki Kagi\*(Univ. of Tokyo), Takaya Nagai (Hokkaido Univ.), John B. Parise (SUNY, Stony Brook), Romano Rinaldi (Univ. of Perugia)
35. Micro-chronology of minerals: C. Mark Fanning (Australian National Univ.), Tetsumaru Itaya\*(Okayama Univ. of Sci.), Simon P. Kelley (Open Univ.), Kazuhiro Suzuki (Nagoya Univ.)
36. Minerals relating to the origin and distribution of life in the Universe: George Cody (Geophysical Lab.), Takeshi Kakegawa\*(Tohoku Univ.), Kensei Kobayashi (Yokohama National Univ.)
37. Recent progress of nano particles studies in earth and planetary sciences: Junji Akai\*(Niigata Univ.), Jillian F. Banfield (Univ. of California, Berkeley), Toshihiro Kogure (Univ. of Tokyo)

## SPONSORSHIP

CAM: Commission on Applied Mineralogy, CCM: Commission on Classification of Minerals, CGM: Commission on Gem Materials, CMGIP: Commission on Mineral Growth and Interface Processes, CM: Commission on Museums, CNMMN: Commission on New Minerals And Mineral Names, COM: Commission on Ore Mineralogy, CPM: Commission on Physics of Minerals, WGA: Working Group on Astromineralogy, WGEM: Working Group on Environmental Mineralogy, WGIM: Working Group on Inclusions in Minerals, WGME: Working Group on Mineral Equilibria, WGOM: Working Group on Organic Minerals, ICAM: International Council for Applied Mineralogy



## 5. Instructions for Abstract Submission

Each participant is encouraged to submit papers on any topic of mineralogical, petrological, or geochemical interest for oral or poster presentation.

Most oral sessions will include both invited and contributed papers. The selection of papers to be presented orally will be made by the conveners of the sessions, who will, however, take authors' preferences into consideration.

Oral and poster sessions will carry equal weight regarding quality of contribution and will appear in the Abstract volume in identical format.

### Instructions

Abstracts should be submitted according to the following guidelines. Abstracts will only be accepted from participants who have paid **Advance Registration Fees**. Each registered participant may submit abstracts for oral or poster presentation, but can be the first author of only one of the submitted abstracts. Each invited or keynote speaker may submit an additional abstract for oral or poster presentation as the first author. All abstracts, oral and poster presentations must be in English. When the abstract is submitted, your preferred method (oral or poster) and preferred session for presentation must be indicated. Acceptance of the abstract, the method of presentation, and the session for presentation will be decided by the organizing committee. When the organizing committee has accepted an abstract, an acceptance letter will be sent to the communicating author by either post or as an e-mail attachment. The science program will be completed in May 2006, and will immediately be published on the IMA2006-KOBE website, <http://www.congre.co.jp/ima2006/>. No further hard-copy circulars will be distributed. Abstracts of all the papers will be printed in an Abstract volume which will be distributed to all the registered participants at the meeting. The detailed abstract form is informed in the IMA2006-KOBE website, <http://www.congre.co.jp/ima2006/>.

### Deadline for Abstracts

The abstract submission will be available on-line from October 1, 2005.

Authors must submit abstracts through the IMA2006 website, <http://www.congre.co.jp/ima2006/>, no later than **February 28, 2006**. Authors who are not able to submit the abstract through the website should contact the meeting secretariat at [2006ima@congre.co.jp](mailto:2006ima@congre.co.jp).

## 6. Registration

On-line registration (<http://www.congre.co.jp/ima2006/>) will be available from October 1, 2005.  
Advance registration must be completed NO LATER THAN February 28, 2006

### Registration Fee

¥=Japanese Yen (JPY) 1US\$= ¥110 (As of June, 2005)

	Advance Registration	Late Registration
Regular	JPY 40,000	JPY 50,000
Student *	JPY 30,000	Not applicable
Accompanying Person	JPY 8,000	JPY 8,000

### Financial help for Students\*

Students who want to obtain a discount by registering in advance must submit proof of their status, such as a photocopy of a valid student ID card or a letter from the dean, department head, or research director, with a signature. After on-line registration, please send (1) the Registration Form and (2) proof of student status by FAX or airmail within two weeks to the Secretariat shown below.

### Registration and Payment

All payments must be made in Japanese yen.

Registration can be made via the web-site <http://www.congre.co.jp/ima2006/>, or by faxing the attached Registration Form to the Secretariat.

Registration Fee includes

Regular or student registration: participation in scientific sessions, entrance to exhibits, printed program and abstract volumes, refreshment breaks, invitations to welcome reception and opening and closing ceremonies.

Accompanying person registration: participation in scientific sessions, entrance to exhibits, refreshment breaks, invitations to welcome reception and opening and closing ceremonies.

### Cancellation Policy

All cancellations must be made by FAX or E-mail and must reach the secretariat by March 31, 2006.

\*Cancellations received on or before March 31, 2006: 75% of the total amount will be refunded. All refunds will be made after the meeting.

\*Cancellations received after April 1, 2006: No refund.

### Secretariat for Abstract Submission, Registration, Social Program and Field Excursion

19th General Meeting of the International Mineralogical Association  
Mr. G. Aoyama, Congress Corporation  
Congress Bldg., 3-6-13 Awajimachi Chuo-ku Osaka 541-0047, Japan  
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# 19th GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION

## 7. Social Program

All registered participants, including students and accompanying persons, are invited to come and share in the celebration and festivities.

### WELCOME RECEPTION

Date: Sunday, July 23, 2006

Time: 5:30 - 8:30 p.m.

Place: V and V, 26th floor of World Co.,Ltd. Headquarters Building, near the International Conference Center Kobe  
(Map will be posted at the Registration Desk in the International Conference Center Kobe)

Fee: Included in the registration fee

### BANQUET

Date: Wednesday, July 26, 2006

Time: 6:30 p.m.

Place: Portopia Hotel (near the Conference Center)

Fee: JPY 6,000 per person for registered participants/accompanying persons

JPY 10,000 per person for those not registered as participants/accompanying persons

Payment: See the web-site, <http://www.congre.co.jp/ima2006/>, or the attached Registration Form

### OPENING CEREMONY

Date: Monday, July 24, 2006

Time: 1:00 p.m. (tentative)

Place: Main Hall, International Conference Center Kobe

### CLOSING CEREMONY

Date: Friday, July 28, 2006

Time: 4:30 p.m. (tentative)

Place: Main Hall, International Conference Center Kobe

## 8. Field Excursions

The field excursions are open to all registered participants for the meeting. Excursion fees shown for each course must be paid at the time of registration. Participants are urged to apply early, and places will be assigned on a first-come, first-served basis. If excursions are oversubscribed, applicants will be advised of alternative excursions or refunded in cash at the meeting. Excursions without the minimum number of participants will be cancelled and applicants will be advised of alternative excursions or refunded in cash.

The climate of late July to early August in Japan will be very hot and wet. The temperature may reach 35 °C in the daytime, except in the cooler regions of Hokkaido and the highlands. Although Japan's rainy season is from June to the middle of July, in certain cases the rainy season may continue until late July. Waterproof and windproof clothing and light boots are essential. There are also various biting insects, and your favorite insect repellent and a first-aid kit might be useful. You are advised to bring a hammer and any safety equipment that you may find necessary (safety glasses, gloves, etc.). Hard safety hats will be provided in the case of underground observation.

### Registration and Payment

All payments must be made in Japanese yen no later than April 23, 2006.

Registration can be made via the web-site, <http://www.congre.co.jp/ima2006/>, or by faxing the attached Registration Form to the Secretariat.

Registrations will not be accepted once all available spots have been filled.

### PRE-MEETING EXCURSIONS

#### FE1 Epithermal gold deposits in southern Kyushu

- Leaders: Koichiro Watanabe and Akira Imai (Kyushu University.), Sachihiko Taguchi (Fukuoka University.)
- Dates: 4 days, Wednesday, July 19 to Saturday, July 22, inclusive.
- Departure point: Fukuoka Airport or JR Hakata train station
- Cost per person: JPY 66,000
- Max/Min number of participants: 15/5
- Accommodation: We will stay at Japanese-style hotels/inns (ryokan) with hot spring public baths (onsen); participants will be expected to share rooms.
- Transport: By minibus
- Itinerary: Visits to the world-class, high-grade Hishikari quartz-adularia type, low-sulfidation epithermal Au-Ag vein deposit, Nansatsu-type high sulfidation Au deposit, and the active Sakurajima and Kirishima volcanoes. Enjoy hot springs and spas during the trip as well. The trip will start and end in Fukuoka.



High-grade gold-bearing quartz-adularia vein (Keisen-3 vein) at an underground of the Hishikari mine.

## FE2 Aso volcano and alkalibasalt including REE-carbonates and zeolites in northern Kyushu

Leaders: Seiichiro Uehara (Kyushu University), Shin-ichiro Ikebe (Aso Volcano Museum), Ritsuro Miyawaki (National Science Museum, Tokyo)

Dates: 4 days, Thursday, July 20 to Sunday, July 23, inclusive.

Departure point: JR Kumamoto train station. Pick up service will be made at Kumamoto Airport.

Cost per person: JPY 54,000

Max/Min number of participants: 30/10

Accommodation: National Aso Youth House with hostel-style accommodation at Aso, Kumamoto Prefecture [<http://www.aso-nyc.org/english/index.html>] for the first two nights. Business inn near Karatsu, Saga Prefecture for the last night; participants will be expected to share rooms.

Transport: By bus

Itinerary: Mt. Aso is one of the most famous active volcanoes in Japan. The first two days will be spent on Aso volcano to observe the crater and outer rim. The excursion will then move to a deposit of zeolites at Hirado, Nagasaki. We will visit to the original locality of kozoite-(Nd), kozoite-(La) and kimuraite-(Y) in Saga Prefecture on the last day. The trip will start at Kumamoto train station. Pick up service will be made at Kumamoto Airport on the way to Aso. It will end at Fukuoka Airport, with a stop at Hakata Shinkansen Terminal in the city of Fukuoka.



A new mineral, Kozoite-(Nd) from Saga

## FE3 The Sanbagawa metamorphic rocks in central Shikoku, Japan

Leaders: Masaki Enami (Nagoya University), Akira Takasu (Shimane University), Toru Takeshita (Hokkaido University)

Dates: 2 days, Friday, July 21 to Saturday, July 22, inclusive.

Departure point: JR Niihama train station.

Cost per person: JPY 30,000

Max/Min number of participants: 20/10

Accommodation: Hotel in Niihama; participants will be expected to share rooms.

Transport: By minibus

Itinerary: Visits to the best-researched area of the Sanbagawa belt, the Niihama-Besshi area, for the observation and sampling of high-grade metavolcanics, metapelite, metachert, epidote-amphibolite, eclogites and peridotites, including some peculiar minerals. The excursion will start and end at Niihama (ca. 33°57' N, 133°18' E; 2.5 hours from Kobe by train).



## POST- MEETING EXCURSIONS

### FE4 High temperature skarn including new minerals and jadeite-bearing metamorphic rocks in western Honshu

Leaders: Isao Kusachi and Chiyoko Henmi (Okayama University), Shoichi Kobayashi (Okayama University of Science)

Dates: 3 days, Saturday, July 29 to Monday, July 31, inclusive.

Departure point: International Conference Center Kobe.

Cost per person: JPY 44,000

Max/Min number of participants: 35/15

Accommodation: Hotels in Niimi and Takahashi. Participants will be expected to share rooms.

Transport: By minibus

Itinerary: This excursion will visit mineral and rock collecting sites in Hiroshima and Okayama, western Japan. The first day will be spent at Mt. Ohsa, where jadeitite and rodingite can be seen in serpentine of the Sangun metamorphic terrain. On the following day the group will visit gehlenite-spurrite skarns at Tojo, Hiroshima and Fuka, Okayama. At Fuka the group will visit an underground limestone mine, where new minerals and various rare borate minerals, e.g. the silicates bicchulite, fukalite, and okayamalite, and the borates henmilite, takedaite, parasibriskite, frolovite, nifontovite, olshanskyite, and pentahydroborite, have been found. The third day will be spent at Ikura, Okayama, where we will enjoy a spectacular limestone cave. The trip will start and end in Kobe.



A new mineral, Henmilite from Okayama

## FE5 Cenozoic volcanic rocks, xenoliths and constituent minerals in Shimane Peninsula and Oki Islands, Japan Sea

**Leaders:** Yoshihiro Sawada and Masahide Akasaka (Shimane University), Satoshi Nakano (Shiga University), Kuniaki Makino (Shinshu University)

**Dates:** 4 days, Saturday, July 29 to Tuesday, August 1, inclusive.

**Departure point:** International Conference Center Kobe.

**Cost per person:** JPY 66,000

**Max/Min number of participants:** 20/ 10

**Accommodation:** Hotel in Matsue (single rooms) and lodge in the Oki Islands; participants will be expected to share rooms at the Oki Islands.

**Transport:** By minibus and ferry boat

**Itinerary:** On the first day we will visit Shimane Peninsula, and observe and collect Fe-pumpellyite and prehnite from Middle Miocene dolerite. On the second day we will transfer to the Oki islands by ferry boat, and will stay there for 3 days. We can observe late Cenozoic alkali lava flows, feeder dykes, pyroclastic rocks, and syenites. These contain alkali feldspar, kaersutite, hedebergite, arfvedsonite and Ti-F biotite, all of which can be collected, along with xenoliths from the mantle and crust. Alkali igneous rocks are not particularly common in Japan, but are widespread in the Oki Islands, a very interesting island group in the Japan Sea. The trip will start and end at Kobe.



Kuniga, Oki-Dozen, Shimane  
(Courtesy of Tourist bureau of Nishino-shima, Oki-Dozen)

## FE6 Hydrothermal activity and associated metallic mineralization in Hokkaido

**Leaders:** Hiroharu Matsueda and Shuji Ono (Hokkaido University), Masahiro Yahata (Geological Survey Hokkaido)

**Dates:** 5 days, Saturday, July 29 to Wednesday, August 2, inclusive.

**Departure point:** Kansai Airport

**Cost per person:** JPY 130,000 (including roundtrip flight tickets between Kansai Airport and Chitose Airport)

**Max/Min number of participants:** 20/5

**Accommodation:** Business inns at Sapporo and Otaru, hot spring inns at Niseko and Noboribetsu. Participants will be expected to share rooms.

**Transport:** By airplane and minibus (and/or car)

**Itinerary:** Visits the high- and the low-sulfidation types of gold deposits accompanying hydrothermal alteration. Brief stops at the Tertiary manganese nodule, diagenetic zeolite, and Kuroko deposits. Present hydrothermal activities and active volcanoes such as the Usu and the Showa-Shinzan will be also visited. Enjoy hot springs and spas during the trip as well. The trip will start and end in Sapporo.



### FE7 Pb-Zn skarn deposits of the Kamioka mine and jadeitite blocks: Development of the Hida and Hida marginal belts in central Japan

Leaders: Keitaro Kunugiza and Masaaki Shimizu (Toyama University), Hiroshi Miyajima (Fossa Magna Museum)

Dates: 4 days, Saturday, July 29 to Tuesday, August 1, inclusive

Departure point: International Conference Center Kobe

Cost per person: JPY 66,000

Max/Min number of participants: 40/10

Accommodation: Business inn at Itoigawa, and hot spring inn at Tateyama. Participants will be expected to share rooms.

Transport: By minibus

Itinerary: Visits to the deposits of the Kamioka mine, the Super-kamiokande, the Hida gneiss complex, some localities of the jadeitite (best jadeite in Japan), and Itoigawa Fossa Magna Museum. We will spend two nights in Itoigawa city and one night at an inn with an outdoor spa (hot spring) at the foot of the Japanese Alps.



Kotaki Jadeite Gorge, Niigata

### FE8 Northeast Honshu Arc Transection - Arc volcanism from Cretaceous to Present -

Leaders: Takeyoshi Yoshida (Tohoku University), Keizo Yanai and Nobutaka Tsuchiya (Iwate University), Takeshi Ohguchi and Toshio Mizuta (Akita University), Nobuo Doi (Iwate Prefectural Office)

Dates: 4 days, Saturday, July 29 to Tuesday, August 1, inclusive

Departure point: International Conference Center Kobe

Cost per person: JPY 70,000

Max/Min number of participants: 40/15

Accommodation: A hotel in Akita near Oga Peninsula, Hachinohe and Miyako at Pacific Ocean coast. Finally we visit Morioka on the foot of Iwate volcano; participants will be expected to share rooms.

Transport: By airplane and bus

Itinerary: Northeast Honshu Arc, Japan Transection -Arc volcanism from Cretaceous to Present (4 days). We will traverse from back-arc side (on Japan Sea coast) to fore-arc side (Pacific Ocean coast), crossing active volcanic chains. Visits to Oga Peninsula, Ohdate Kuroko area, Neogene Caldera swarms, Cretaceous Kitakami plutons with volcanics, and an active volcano in Iwate.



Oga Peninsula, Akita

## FE9 Crustal section and anatexis of lower crust and subduction-related high-pressure type metamorphism in the Hidaka and Kamuikotan metamorphic belts, Hokkaido, Japan

Leaders: Masaaki Owada (Yamaguchi University),  
Yasuhito Osanai (Kyushu University),  
Toshiaki Shimura (Niigata University),  
Hideo Ishizuka (Kochi University)

Dates: 7 days, Saturday, July 29 to Friday, August  
4, inclusive

Departure point: Chitose Airport (Domestic lobby, Chitose  
city)

Cost per person: JPY 90,000

Max/Min number of participants: 20/7

Accommodation: Japanese inns and shared rooms in 2-3 star hotels.

Transport: By bus

Itinerary: The Hidaka Metamorphic Belt consists of steeply eastward dipping thrust sheets composed of pelitic-psammitic and mafic metamorphic rocks and various plutonic rocks of Eocene to early Miocene ages. Igneous rocks are layered gabbros, gabbros-diorites, and S- and I-type tonalite-granodiorite. Metamorphism in the Hidaka Metamorphic Belt increases from prehnite-pumpellyite grade in the east through greenschist and amphibolite facies to the granulite facies in the west. We can observe the layered olivine gabbro complex, which may be the heat source of the metamorphism, the anatectic rocks in the lowest structural levels, and S- and I-type granitic rocks in the middle horizontal level in the Hidaka metamorphic belt. The fresh peridotite (plagioclase and spinel lherzolites and harzburgites) complex situated in the lowest structural level of the belt will be visited. The above will make up the first 3 days of the trip. The next two days will be spent visiting the Kamuikotan Metamorphic Belt, which consists of the subduction-related high-pressure type metamorphic rocks and a low-pressure type ophiolite complex. We can observe the beautiful blueschists and still preserved pillow structure in the meta-volcanic rocks, and layered gabbro as the lower sequence of the ophiolite complex. Another highlight is a day trip to an active volcano. The highest point of this trip is approximately 2000 m. We will walk along a river to visit the locations of the pelitic granulite and anatexite. We recommend that participants bring trekking boots and warm clothes. The trip will end at Sapporo with a farewell beer party on Friday evening.



Hidaka Mountains, Hokkaido



## 9. Exhibition

An exhibition will be held in conjunction with the 19<sup>th</sup> General Meeting of the International Mineralogical Association. As an important and integral part of the meeting, the exhibition will be situated close to the lecture halls in order to offer maximum accessibility and visibility.

The exhibition will offer a good opportunity for the exchange of experience and business opportunities for all those involved in the fields of mineralogy, geochemistry, petrology, mineral deposits, and related areas. Exhibition spaces will be available for hire by companies and organizations. Exhibition units are 1.8m × 0.9m with a wall panel, and the rental fee per unit is JPY 150,000. A discounted price may be available based on an exhibitor's donation to the organizing committee.

Desks will also be available for rent, for selling books, minerals, etc. Desks are 1.8m × 0.9m in size, and the rental fee is JPY 10,000 per desk.

### Secretariat for Exhibition

Mr. Gozo Aoyama  
c/o Congress Corporation  
Congress Bldg., 3-6-13 Awajimachi, Chuo-ku, Osaka 541-0047, Japan  
Phone: +81-6-6229-2555      Fax: +81-6-6229-2556  
E-mail: 2006ima@congre.co.jp      URL : <http://www.congre.co.jp/ima2006/>

## 10. Accommodation

Blocks of rooms have been reserved at the following hotels by the official travel agency, Kinki Nippon Tourist, for the convenience of participants. The rooms are to be reserved on a first-come, first-served basis. To ensure your reservation at the reduced convention rate, please make your hotel reservation at your earliest convenience.

### IMA Desk for Accommodation and Optional Tours

Kinki Nippon Tourist Co., Ltd.  
Event & Convention, Kansai  
Daiko Imabashi Bldg. 3F,  
2-4-10, Imabashi, Chuo-ku, Osaka 541-0042, Japan  
Tel:+81-6-6202-0224 Fax:+81-6-6202-7921  
E-mail:eckansai@or.knt.co.jp

### Hotels near the venue

¥=Japanese Yen (JPY) 1US\$= ¥110 (As of June, 2005)

Hotel Name	Room type	Code	Rate (JPY)	Access from the nearest station	Access to the venue
Portopia Hotel	Single room	AS	11,025	2 min. walk from the Port Liner Shimin Hiroba Station	Connected to the venue
	Twin room **	AT	19,950		
	Twin room *	AU	17,325		
Quality Hotel Kobe	Single room	BS	7,500	5 min. walk from the Port Liner Shimin Hiroba Station	Connected to the venue
	Twin room **	BT	13,000		
	Twin room *	BU	8,500		
Hotel Pearl City Kobe	Single room	CS	9,975	2 min. walk from the Port Liner Nakafuto Station	7 min. walk to the venue
	Twin room **	CT	16,800		

### Hotels near Sannomiya or Shin Kobe Stations

Hotel Name	Room type	Code	Rate (JPY)	Access from the nearest station	Access to the venue
Sannomiya Terminal Hotel	Single room	DS	8,820	Connected to JR Sannomiya Station	12 min. by Port Liner and on foot
	Twin room **	DT	17,220		
Kobe Tokyu Inn	Single room	ES	8,400	3 min. walk from JR Sannomiya Station	15 min. by Port Liner and on foot
	Twin room **	ET	16,800		
Kobe Washington Hotel Plaza	Single room	FS	9,240	3 min. walk from JR Sannomiya Station	15 min. by Port Liner and on foot
Hotel Piena Kobe	Single room	GS	9,975	7 min. walk from JR Sannomiya Station or 12 min. walk from JR Shin Kobe Station	20 min. by Port Liner and on foot
	Twin room **	GT	16,800		
Kobe Sannomiya Union Hotel	Single room 1	HS1	5,500	10 min. walk from JR Sannomiya Station	20 min. by Port Liner and on foot
	Single room 2	HS2	6,825		
Green Hill Hotel Kobe	Single room	IS	6,825	5 min. walk from JR Shin Kobe Station or 15 min. walk from JR Sannomiya Station	25 min. by subway, Port Liner and on foot
	Twin room **	IT	12,600		
Green Hill Hotel Urban	Single room	JS	6,300	10 min. walk from JR Sannomiya Station or JR Shin Kobe Station	25 min. by subway, Port Liner and on foot
Hyper Hotel 1-2-3	Semi-double room *	KS1	5,140	7 min. walk from JR Sannomiya Station	20 min. by Port Liner and on foot
	Semi-double room **	KS2	6,190		
	Double room **	KD2	7,240		

Notes:

- Twin room \* : Room with two single beds for single occupancy
- Twin room \*\* : Room with two single beds for double occupancy
- Semi-double room \* : Room with one large-sized bed for single occupancy
- Semi-double room \*\* : Room with one large-sized bed for double occupancy
- Double room \*\* : Room with one double-sized bed for double occupancy
- The above rates are per room including service charge and 5% consumption tax. No meals included.
- No reservations will be made without payment of deposit and handling charges.



## HOTEL RESERVATIONS AND PAYMENT

Reservations may be made on-line using the electronic reservation form for accommodation and optional tours on the website, <http://www.congre.co.jp/ima2006/>, or by facsimile using the hard copy Reservation Form enclosed with this circular. Reservations must reach Kinki Nippon Tourist no later than Fri., June 23, 2006.

Hotel reservations by overseas participants should be accompanied by payment of hotel deposit (one night accommodation charges for the 1st choice hotel) by credit card (VISA, Master Card, AMEX, JCB or Diners Club) and the remainder of hotel charges should be settled directly at the hotel. If you are unable to pay by credit card, please contact Kinki Nippon Tourist for alternative arrangements. No deposit is required for hotel reservations by domestic participants and they are asked to settle all charges at the hotel.

## HOTEL CANCELLATION AND REFUND POLICY

Cancellation or change of hotel reservations should be made in writing (by fax or e-mail) to IMA Desk for Accommodation and Optional Tours, Kinki Nippon Tourist. In case of cancellation, your deposit will be refunded after deducting the bank charge, commission, and a cancellation fee as shown below.

If the cancellation notice is received during office hours (Monday - Friday, 09:15-18:00)

2 days or more prior to the date of arrival:	No cancellation fee
1 day prior:	50% of one night accommodation fee
On the date of arrival, or no notice given:	100% of one night accommodation fee



# 19th GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION

## 11. Optional Tours

A variety of tours are offered to give participants a chance to experience the history and culture of Kobe and the surrounding areas including Kyoto, Nara and Himeji. Participants can choose from three different types of tours: full-day, half-day and night-time.

Please note that tour prices are not included in meeting registration fee.

### IMA Desk for Accommodation and Optional tours

Kinki Nippon Tourist Co., Ltd.

Event & Convention, Kansai

Daiko Imabashi Bldg. 3F,

2-4-10, Imabashi, Chuo-ku, Osaka 541-0042, Japan

Tel:+81-6-6202-0224 Fax:+81-6-6202-7921 E-mail:eckansai@or.knt.co.jp

¥=Japanese Yen (JPY) 1US\$= ¥110 (As of June, 2005)

Date	Time	Tour Name	Code	Price (JPY)
Mon., July 24	08:00-18:00	Tour of the Ancient Capital of Kyoto	T01	11,000
	08:00-13:00	Tour of Himeji Castle	T02	7,000
Tue., July 25	10:00-12:00	Tea Ceremony	T03	1,000
	09:00-18:00	Temples and Shrines in the Ancient Capital of Nara	T04	10,000
	14:20-17:45	Port of Kobe and Sake Brewery in Nada	T05	7,500
Wed., July 26	10:00-12:00	Walking Tour to Pearl Gallery	T06	Free
	08:00-13:00	Tour of Himeji Castle	T07	7,000
Thu., July 27	10:00-12:00	Tea Ceremony	T08	1,000
	09:00-18:00	Tour of Awaji Island	T09	10,000
	09:00-17:30	Traditional Arts and Crafts in Kyoto	T10	11,500
	18:30-21:30	Dinner Cruise around Akashi Channel Bridge	T11	10,000
Fri., July 28	08:00-15:00	1995 Kobe Earthquake Study Tour	T12	9,500
	13:00-18:00	Tour to SPring-8	T13	6,400
	18:30-21:40	Dinner at Rokkosan Hotel with a Night View of Kobe	T14	4,800

### OPTIONAL TOUR RESERVATIONS AND PAYMENT

To reserve your space in a tour, fill out the relevant section of the electronic reservation form for accommodation and optional tours on the website, <http://www.congre.co.jp/ima2006/>, or fax the hard copy Reservation Form enclosed with this circular.

Note that some tours require a minimum number of participants.

All payments must be made in Japanese Yen no later than June 23, 2006.

### TOUR CANCELLATION AND REFUND POLICY

Cancellation or change of tour reservations should be made in writing to IMA Desk, Kinki Nippon Tourist. In case of cancellation, your deposit will be refunded after deducting the bank charge, commission, and a cancellation fee as shown below.

If the cancellation notice is received during office hours (Monday - Friday, 09:15-18:00)

8 days or more prior to the date of arrival:	No cancellation fee
7 to 2 days prior:	30% of the tour price
1 day prior:	50% of the tour price
On the date of arrival, or no notice given:	100% of the tour price



**Mon., July 24**

**08:00-18:00**

### Tour of the Ancient Capital of Kyoto

Price: JPY 11,000 (Minimum number of participants: 25). Lunch is included. This tour will visit Nijo Castle, built by the first Tokugawa Shogun as his residence in Kyoto, and will then visit Kinkakuji Temple featuring the brilliant Golden Pavilion and its grand mirror pond. The next stop is Heian Jingu Shrine, built in 1895 to commemorate the 1100th anniversary of the foundation of the Heian capital. The final destination of this tour will be Kiyomizu Temple, set on a steep hill commanding a panoramic view of Kyoto.



**Mon., July 24**

**08:00-13:00**

### Tour of Himeji Castle 1

Price: JPY 7,000 (Minimum number of participants: 25)  
The highlights of this tour include visits to Himeji Castle, also known as White Heron Castle, the first Japanese historical building designated as a World Heritage Site, and nearby Kouko-en Japanese garden featuring landscaped ponds and streams with the castle visible in the background.



**Tue., July 25**

**10:00-12:00**

### Tea Ceremony 1

Price: JPY 1,000 (Minimum number of participants: 25)  
To give participants a chance to experience Japanese culture, a traditional tea ceremony will be demonstrated and special green tea with Japanese sweets will be served by students of Kobe University (held in the Conference Center).

**Tue., July 25**

**09:00-18:00**

### Temples and Shrines in the Ancient Capital of Nara

Price: JPY 10,000 (Minimum number of participants: 25). Lunch is included. This tour will take participants to Nara, the 1,300-year old capital of Japan. The group will pay a visit to Kofukuji Temple, famed for its five-storied pagoda, and then to Todaiji Temple, which houses Japan's largest statue of the Buddha, and Kasuga Shrine, famous for its many stone lanterns lining in the shrine's approach. The final destination of this tour will be Horyuji Temple, the world's oldest surviving wooden structure, giving visitors a glimpse of Japan as it existed more than 1,300 years ago.





# 19th GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION

**Tue., July 25**

**14:20-17:45**

## Port of Kobe and Sake Brewery in Nada

Price: JPY 7,500

This is a seat-in-coach tour from/to Sannomiya Bus Terminal guided in Japanese. An additional English-speaking guide will accompany the group. This tour will visit the Sake Brewery Museum owned by Sawanotsuru Co. Ltd. in Kobe's Nada district, renowned as one of the finest sake-producing areas in Japan thanks to the water from Rokko granitic mountains and high quality sake rice. In this museum you will learn about the history of sake and can enjoy tasting sake. The group will then visit Kobe Port Tower and enjoy cruising in the port of Kobe.



**Wed., July 26**

**10:00-12:00**

## Walking Tour to Pearl Gallery

This tour will visit the Pearl Gallery owned by Tasaki Pearl Co. Ltd., only a 5 minute walk from the Conference Center.

**Wed., July 26**

**08:00-13:00**

## Tour of Himeji Castle 2

Price: JPY 7,000 (Minimum number of participants: 25)

(see changes above) The highlights of this tour include a visit to Himeji Castle also known as White Heron Castle, the first Japanese historical building designated as a World Heritage Site, and then to Kouko-en Japanese garden featuring ponds and springs against the backdrop of the castle.

**Thu., July 27**

**10:00-12:00**

## Tea Ceremony 2

Price: JPY 1,000 (Minimum number of participants: 25)

(see changes above) Traditional tea ceremony will be demonstrated and special green tea with Japanese sweets will be served by the students of Kobe University in the conference center to give participants a chance to experience Japanese culture.



**Thu., July 27**

**09:00-18:00**

### Tour of Awaji Island

Price: JPY 10,000 (Minimum number of participants: 25). Lunch is included.

In this full-day tour the group will first cross Akashi Channel Bridge, the world's longest suspension bridge (3,910 meters long overall), and visit Awaji Hokudan Fault Museum, which has preserved a 150-meter portion of the 10km Nojima fault that emerged during the 1995 Kobe Earthquake. The tour will then leave for Naruto in the southern part of the Island, where participants will see Awaji Joruri (puppet dramas), designated as a National Important Cultural Treasure. The fascinating puppet dramas depict the happiness and sadness of humanity.

**Thu., July 27**

**09:00-17:30**

### Traditional Arts and Crafts in Kyoto

Price: JPY 11,500 (Minimum number of participants: 25). Lunch is included.

This tour will first visit Kodai Yuzen-en where participants will see a gorgeous collection of Yuzen-dyed kimonos. Participants can also experience dyeing a handkerchief with stencils as a souvenir. The tour will then visit a traditional confectionary and participants will experience making Japanese sweets (wagashi).



**Thu., July 27**

**18:30-21:30**

### Dinner Cruise around Akashi Channel Bridge

Price: JPY 10,000. Dinner is included.

A night cruise to Akashi Channel Bridge while enjoying Mediterranean style French cuisine on board the luxury restaurant ship "Luminous."

Please note that the participants will assemble and disband at the Nakafuto pier where the ship departs and returns.

**Fri., July 28**

**08:00-15:00**

### 1995 Kobe Earthquake Study Tour

Price: JPY 9,500 (Minimum number of participants: 25). Lunch is included.

In this full-day tour the group will first cross Akashi Channel Bridge, the world's longest suspension bridge (3,910 meters long overall), and visit Awaji Hokudan Fault Museum, which has preserved a 150-meter portion of the 10km Nojima fault that emerged during the 1995 Kobe Earthquake. The tour will then return to Kobe to visit Kobe Meriken Park, where a damaged waterfront section has been preserved as a reminder of the Earthquake. The final destination of this tour will be the Disaster Reduction and Human Renovation Institution, a facility to pass on the experiences and lessons from the 1995 Earthquake to future generations, and to contribute to reducing damage caused by disasters both in Japan and abroad.



**Fri., July 28**

**13:00-18:00**

### Tour to SPring-8

Price: 6,400 (Minimum number of participants: 25)

This tour will visit SPring-8, the world's largest third-generation synchrotron radiation facility. SPring-8 provides the most powerful synchrotron radiation currently available. Its ultra-brilliant synchrotron radiation gives researchers exciting opportunities for advanced research in materials science, physics and chemistry, earth science, environmental science, industrial applications and so forth.

The Japan Synchrotron Radiation Research Institute (JASRI) is responsible for the management, operation and development of the facility.

**Fri., July 28**

**18:30-21:40**

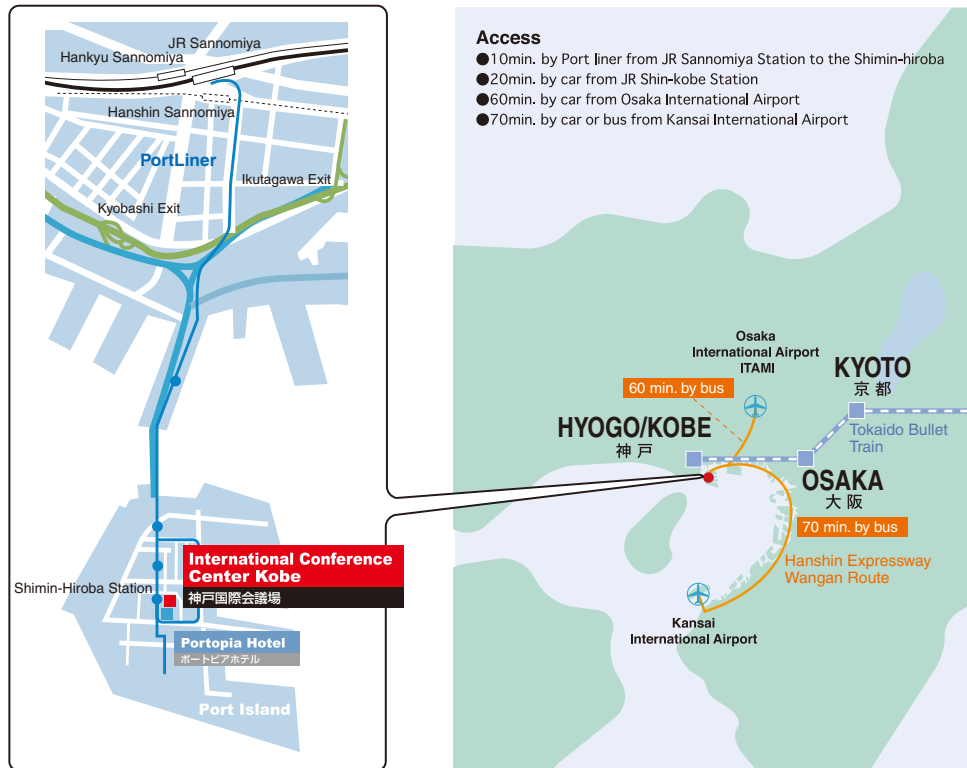
### Dinner at Rokkosan Hotel with a Night View of Kobe

Price: JPY 4,800. Barbecue dinner is included.

Enjoy a barbecue dinner at Rokkosan Hotel. Built on a hillside of Mt. Rokko, the hotel restaurant commands a panoramic night view of Kobe City and Osaka Bay. Round-trip transfer from/to Sannomiya Bus Terminal is included.



## 12. Access to Venue



The new Kobe Airport, located very close to the Kobe Portopia Island, is scheduled to open on February 16, 2006. Domestic flights from/to Haneda(Tokyo) and other major cities in Japan are planned by Japan Airlines, All Nippon Airways and Skymark Airlines. Ask the airlines or your travel agency for more information.

### From-To

JR/Subway "Sannomiya" Station — International Conference Center Kobe

Take Port Liner to "Shimin Hiroba" station. (10min. JPY 240)

JR "Shin-Kobe" Station — Sannomiya Station

Take subway to "Sannomiya" station. (2min. JPY 200)

JR "Osaka" Station — Sannomiya Station

Take JR Tokaido Line to "Sannomiya" station. (30min. JPY 390)

Osaka Itami (Domestic) Airport — Sannomiya Station

Take a limousine bus bound for "Sannomiya" Station. (40min. JPY 1,020)

Operation: every 15-20 min. from 7:45 to 21:10

Narita (Tokyo) International Airport — Osaka Itami (Domestic) Airport

Take a domestic flight to Itami. or take a limousine bus bound for Haneda (domestic airport in Tokyo), and transfer to a domestic flight to Osaka Itami.

Osaka Kansai International Airport — Sannomiya Station

Take a limousine bus bound for "Sannomiya" Station. (70min. JPY 1,800)

Operation: every 10-20 min. from 6:30 to 23:20.



## 13. General Information

### Climate

The average temperature in Kobe at the time of the meeting is 27°C (80°F).

### Tipping and Consumption Tax

Tipping is not customary in Japan and is unnecessary in all situations. However, major restaurants or hotels may automatically add a 10% to 15% service charge to your bill. A 5% consumption tax is also automatically added to purchases at shops, restaurants and hotels.

### Currency

Japanese yen (JPY) is the only currency accepted at regular stores and restaurants. Most currencies and traveler's checks can be exchanged at international airports, large branches of major banks, and hotels. Banks are open from Monday to Friday, 9:00-15:00. The organizing committee will accept only Japanese yen at the registration desk.

### Electricity

The electric current in use is 100V 60Hz in Western Japan.

### Insurance

The Organizing Committee can accept no responsibility for accidents or damage to the private property of participants. Please make your own arrangements for health insurance, traveler's insurance, and any other necessary insurance.

### Passport and Visas

A valid passport is required to enter Japan. In addition, a visa is required for visitors from some nations; please contact the Japanese Consulate or diplomatic mission in your country as soon as possible so that those who are required to do so can take the necessary steps. For details, please refer to [http://www.mofa.go.jp/\\_info/visit/visa/index.html](http://www.mofa.go.jp/_info/visit/visa/index.html) (Guide to Japanese VISAS from the Ministry of Foreign Affairs). Please inform G. Aoyama (2006ima@congre.co.jp) as to which documents we must prepare for your visa application.

### Time

Japan Standard Time is 9 hours ahead of Greenwich Mean Time.



## 14. Important Dates

### **Abstract**

Abstract submission begins on-line : October 1, 2005  
Abstract submission deadline : February 28, 2006

### **Meeting Registration**

Registration begins on-line : October 1, 2005  
Advance registration deadline : February 28, 2006

### **Field Excursions**

Registration begins on-line : October 1, 2005  
Field Excursions deadline : April 23, 2006  
Registration will not be accepted beyond the number of positions available

### **Accommodation and Optional Tours**

Hotel and Optional Tours application deadline : June 23, 2006



# 19th GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION

## 15. Correspondence

For all registrations, visit the website at <http://www.congre.co.jp/ima2006/>

### **Secretariat for Abstract Submission, Registration, Social Program, and Field Excursions**

19th General Meeting of the  
International Mineralogical Association  
Mr. G. Aoyama, Congress Corporation  
Congress Bldg., 3-6-13 Awajimachi, Chuo-ku, Osaka 541-0047, Japan  
TEL: +81-6-6229-2555  
FAX: +81-6-6229-2556  
E-mail: 2006ima@congre.co.jp

### **Official Travel Agent**

IMA Desk for Accommodation and Optional tours  
Kinki Nippon Tourist Co., Ltd.  
Event & Convention, Kansai  
Daiko Imabashi Bldg. 3F,  
2-4-10, Imabashi, Chuo-ku, Osaka 541-0042 Japan  
Tel:+81-6-6202-0224  
Fax:+81-6-6202-7921  
E-mail:eckansai@or.knt.co.jp



# MEMO



# 19th GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION

## MEMO

19th General Meeting of the International Mineralogical Association  
 IMA2006-Kobe, Japan July 23-28, 2006

**Registration Form**

**Please complete and return this form by fax or mail to:**

Secretariat for Abstract Submission, Registration, Social Program and Field Excursions  
 19th General Meeting of the International Mineralogical Association  
 Mr. G. Aoyama, Congress Corporation  
 Congress Bldg., 3-6-13, Awajimach, Chuo-ku, Osaka, 541-0047, Japan  
 TEL: +81-6-6229-2555 FAX: +81-6-6229-2556 E-mail: 2006ima@congre.co.jp

If you are unable to register via the website,  
<http://www.congre.co.jp/ima2006/>,  
 please complete and return this form.

**Please check or fill in the appropriate box [ ].**

Name: [ ] Prof. [ ] Dr. [ ] Mr. [ ] Ms.	
_____	_____
(Family name)	(First name)
Affiliation/Dept.:	
Mailing Address: [ ] Office [ ] Home	
ZIP Code	Country
Phone	Fax:
E-mail:	
Accompanying Person: [ ] Mr. [ ] Ms.	
_____	_____
(Family name)	(First name)

**Registration Fees**

¥=Japanese Yen (JPY), 1US\$=¥110 (As of June, 2005)

CATEGORY	Registration Fee (JPY)	
	Advance Registration (No later than February 28th, 2006)	Late Registration
Regular Participant	40,000	50,000
Student	30,000	Not applicable
Accompanying Person	8,000	8,000

**Banquet**

CATEGORY	Fee (JPY)	Person(s)	Sub total
Participant for registered person	6,000		
Participant for not registered person	10,000		
	Total		

**Field Excursions** No later than April 23, 2006

Date	Excursion name	Code	Price	Person(s)	Sub Total
Wed, July 19 - Sat, July 22	Epithermal gold deposits in southern Kyusyu	FE1	66,000		
Thurs, July 20 - Sun, July 23	Aso volcano and alkalibasalt including REE-carbonates and zeolites in northern Kyusyu	FE2	54,000		
Fri, July 21 - Sat, July 22	The Sanbagawa metamorphic rocks in central Shikoku, Japan	FE3	30,000		
Sat, July 29 - Mon, July 31	High temperature skarn including new minerals and jadeite-bearing metamorphic rocks in western Honshu	FE4	44,000		
Sat, July 29 - Tues, August 1	Cenozoic volcanic rocks, xenoliths and constituent minerals in Shimane Peninsula and Oki islands	FE5	66,000		
Sat, July 29 - Wed, August 2	Hydrothermal activity and associated metallic mineralization in Hokkaido	FE6	130,000		
Sat, July 29 - Tues, August 1	Pb-Zn skarn deposits of the Kamioka mine and jadeite blocks: Development of the Hida and Hida marginal belts in central Japan	FE7	66,000		
Sat, July 29 - Tues, August 1	Northeast Honshu Arc Transection - Arc volcanism from Cretaceous to Present -	FE8	70,000		
Sat, July 29 - Fri, August 4	Crustal section and anatexis of lower crust and subduction - related high - pressure type metamorphism in the Hidaka and Kamuikotan metamorphic belts, Hokkaido, Japan	FE9	90,000		
	Total				

**Payment**

**Credit Card only**

Expiration Date: Month \_\_\_\_\_ Year \_\_\_\_\_

Please charge the above total to my credit card:  
 [ ] Visa [ ] Master Card [ ] AMEX [ ] Diners [ ] JCB

Amount in Yen: \_\_\_\_\_ Card Number: \_\_\_\_\_

Holder's name: \_\_\_\_\_ Holder's signature: \_\_\_\_\_

(in block letters) \_\_\_\_\_ (Name) \_\_\_\_\_ (Signature)



# 19th GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION

19th General Meeting of the International Mineralogical Association  
IMA2006-Kobe, Japan July 23-28, 2006

## Hotel & Optional Tours Reservation Form

Please complete and return this form by fax or mail to:

IMA Desk for Accommodation and Optional Tours  
Kinki Nippon Tourist Co., Ltd. Event & Convention, Kansai  
Daiko Imabashi Bldg. 3F, 2-4-10, Imabashi, Chuoh-ku, Osaka 541-0042, Japan  
Tel:+81-6-6202-0224 Fax:+81-6-6202-7921  
E-mail:eckansai@or.knt.co.jp

If you are unable to request reservations via the website, <http://www.congre.co.jp/ima2006/>, please complete and return this form.

Hotel & Tour Reservation Deadline  
Friday, June 23, 2006

Please check or fill in the appropriate box [ ].

Name: [ ] Prof. [ ] Dr. [ ] Mr. [ ] Ms.	_____	_____
	(family name)	(first name)
Affiliation/Dept.:	_____	
Mailing Address:	_____	ZIP Code _____
[ ] Office [ ] Home	_____	Country _____
Phone: _____	Fax: _____	
E-mail: _____		
Accompanying Person:	_____	
[ ] Mr. [ ] Ms.	(family name)	(first name)

### Accommodation

1st choice hotel code: _____	2nd choice hotel code: _____
Check-in date: _____ July _____, 2006	Number of night(s): [ ] night(s)
Hotel deposit (one night accommodation charge of the 1st choice hotel) [ ] room(s)	(A) _____
If shared accommodation is required, fill in your room partner's name:	
[ ] Prof. [ ] Dr.	_____
[ ] Mr. [ ] Ms.	(family name) _____ (first name) _____
Special requirements, if any: _____	

### Optional Tours

¥=Japanese Yen (JPY) 1US\$= ¥110 (As of June, 2005)

Date	Time	Tour Name	Code	Price(JPY)	Person(s)	Sub total
Mon., July 24	08:00-18:00	Tour of the Ancient Capital of Kyoto	T01	11,000		
	08:00-13:00	Tour of Himeji Castle	T02	7,000		
Tue., July 25	10:00-12:00	Tea Ceremony	T03	1,000		
	09:00-18:00	Temples and Shrines in the Ancient Capital of Nara	T04	10,000		
	14:20-17:45	Port of Kobe and Sake Brewery in Nada	T05	7,500		
Wed., July 26	10:00-12:00	Walking Tour to Pearl Gallery	T06	Free		
	08:00-13:00	Tour of Himeji Castle	T07	7,000		
Thu., July 27	10:00-12:00	Tea Ceremony	T08	1,000		
	09:00-18:00	Tour of Awaji Island	T09	10,000		
	09:00-17:30	Traditional Arts and Crafts in Kyoto	T10	11,500		
	18:30-21:30	Dinner Cruise around Akashi Channel Bridge	T11	10,000		
Fri., July 28	08:00-15:00	1995 Kobe Earthquake Study Tour	T12	9,500		
	13:00-18:00	Tour to Spring-8	T13	6,400		
	18:30-21:40	Dinner at Rakkosan Hotel with a Night View of Kobe	T14	4,800		
				(B) Total		

### Payment

<input type="checkbox"/> <b>Credit Card</b>	Expiration Date _____ Month _____ Year _____
Please charge the above total to my credit card: [ ] Visa [ ] Master Card [ ] AMEX [ ] Diners [ ] JCB	
Amount in Yen (A)+(B): _____	Card Number: _____
Holder's Name: _____	Holder's _____
(in block letters)	Signature: _____
<input type="checkbox"/> <b>Bank Transfer (INSIDE JAPAN ONLY):</b>	I have remitted Yen (A)+(B) _____
through (bank) _____	on (date) _____ to the following account.
Bank Name: Bank of Tokyo Mitsubishi, Furikomi Daini Shiten	
Account Name: Kinki Nippon Tourist Co., Ltd.	
Account Number: <b>0723402</b>	

東京三菱銀行 振込第二支店  
近畿日本ツーリスト(株)  
普通口座 0723402

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



# MEMO

