



TOP PAGE

Registration

ISME-XV

Final Program

Accommodation

Access

ISME Archives

Contact us



15th International Symposium on Mineral Exploration ISME-XV

(30th Anniversary of DETEC)

**Toward Sustainable Society with Natural Resources
-Development of Resource Exploration Technology in the Past
Thirty Years and for the Future-**

November 26-28, 2018 Kyoto, Japan

SPONSORED: by the Division of Exploration Technology (DETEC) of Mining and Materials Processing Institute of Japan (MMIJ)

CO-SPONSORED: by Mining and Materials Processing Institute of Japan (MMIJ), Inter-national Association for Mathematical Geosciences (IAMG), Japan Oil, Gas and Metals National Corporation (JOGMEC), Japan Agency for Marine-Earth Science and Technology (JAMSTEC), National Institute of Advanced Industrial Science and Technology (AIST), Japan Society of Geoinformatics (JSGI), Non-Profit Organization of Geological Information, Utilization, and Promotion (GUPI), and The Society of Resource Geology (SRG)



EXHIBITORS:

1. [SATREPS – BAGUS – Project](#) by collaboration between Kyoto University and Bandung Institute of Technology
2. [Tohoku University Graduate School of Environmental Studies](#)
3. [Fugro Japan Co., Ltd.](#)
4. [Sumiko Resources Exploration & Development Co., Ltd.](#)
5. [Japan Agency for Marine-Earth Science and Technology \(JAMSTEC\)](#)
6. [Ocean High Technology Institute, Inc.](#)

WHAT'S NEW

- Exhibitors list and [Modified final program](#) have been updated: December 5th

- **Congratulations!**
Winners of oral presentations:
(S4-4) Yusuke Ohta et. al., (S2-5) Arie Naftali Hawu Hede, (S3-8) Alvaro Josue Amaya et. al.

Winners of poster presentations:
(P5) Shohei Albert Tomita, et. al., (P17) Yusuke Watanabe, et. al.
: November 29th

● **Thank you very much for all the contributors!**
The symposium was a great success.
The group photo will be uploaded soon.: November 28th

● **Final program** has been updated: November 20th

● **Accommodation**
Hotel reservation using the ISME-XV web-registration will be closed on 10th Nov. (Sat).

● **Tentative program** has been updated: November 1st

● **Excursion information** has been updated: October 6th
The ticket for excursion can be purchased at the registration page:
Registration page: <https://isme-xv.peatix.com/>
The registration due is October 31.

● **Equipment Exhibition** page has been opened. (Sep. 5th)

● **Early Registration**
Registration has been started on June 1st, 2018.
Only papers of participants registered before 17:00 July 31st (JST), 2018 will be included in the proceedings volume.
The full papers will be published in an appropriate journal or a book.
For more details, please contact to the conference secretariats.

Registration page: <https://isme-xv.peatix.com/>

● **Author Notification of abstract acceptance: June 15th**
One-page camera ready paper template can be downloaded from the link given below.
[<Camera Ready Paper Template>](#) (60KB)

● **Abstracts Due** has been extended to May 31th. (Apr. 30th, 2018)
Interested contributors should submit the abstract submission form before May 31, 2018 to <ISME-xv-abstract@gipc.akita-u.ac.jp>. The form can be downloaded from the link given below.
[<Abstract Submission Form>](#) (11KB)

● **Accommodation information** page has been updated. (May. 23rd)

● **Accommodation information** page has opened. Tentative time table is uploaded in the [Schedule](#) page.
Abstract submission form and conference brochure have been updated. (Apr. 10th)
[Conference brochure](#) (3.4MB)

● **Symposium home page** has opened. (Jan. 4th, 2018)

PURPOSE

● ISME (International Symposium on Mineral Exploration) is an international activity of the Division of Exploration Technology (DETEC) of Mining and Materials Processing Institute of Japan (MMIJ). The purpose of ISME symposia is to bring together scientists actively working on some diverse fields in order to foster the exchanges of ideas related to the methods or resource exploration, as noted by Singer and Kouda, 1993, Nonrenewable Resources, v. 2, no. 2, pp. 65-66.
Emphasis of ISME-XV will be on state-of-the-art research related to resource exploration with a review of research outcome in the past thirty years in commemoration of the 30th anniversary of DETEC.
Main topics are:

- + Mining/Petroleum Geology and Economic Geology
- + Mining and Petroleum Engineering
- + Applied Mineralogy
- + Geostatistics, Geoinformatics, and Mathematical methods
- + Geophysics and Geochemistry
- + Remote Sensing
- + Advanced Geographical Information System (GIS)
- + Resource Economics
- + Environmental Geology
- + Hydrogeology, Water Resources, and Water Conservation
- + Marine Resources
- + Natural Gas and Methane Hydrate
- + Geothermal Researches
- + Assessment Technologies and Risk Analysis
- + Exploration Strategies
- + Urban Mining and Recycling
- + Extraterrestrial Resource Exploration
- + Data-driven Science

The exposition will be announced.

CONFERENCE VENUE

- The 15th International Symposium on Mineral Exploration (ISME-XV) will be held at International Science Innovation Building, Kyoto University Yoshida Campus, Yoshida-honmachi, Sakyo-ku, Kyoto, 606-8501, Japan from Monday 26th to Wednesday 27th November 2018.
General access information of the venue is available on the following website:
<http://www.kyoto-u.ac.jp/en/access/Campus Map> (1.7MB)

ORGANIZING COMMITTEE

- International Organizing Committee
Chair: Kazuya Okada (President of Sumiko Resources Exploration & Development Co., Ltd.; Chair of DETEC-MMIJ)
Co-Chair: Katsuaki Koike (Prof. of Kyoto University)
Co-Chair: John Carranza (Prof. of University of KwaZulu-Natal)

Financial committee: Toshiaki Ueki (Ocean High Technology Institute, Inc.)

Award committee: Ryoichi Kouda (GUPI)

Logistics: Youqing Chen (Kyoto University)

Program committee: Akihisa Kizaki (Akita University)

Secretariat:

Tatsu Kuwatani (JAMSTEC)

Koki Kashiwaya (Kyoto University)

Youqing Chen (Kyoto University)

Organizing Committee members

Alaa A. Masoud	Tanta University
Bingwei Tian	Sichuan University
Chunxue Liu	Yunnan University
Daizo Ishiyama	Akita University
Hideaki Miyamoto	The University of Tokyo
Jorge K. Yamamoto	Sao Paulo University
Katsuhiko Suzuki	JAMSTEC
Kazuo Masuda	JOGMEC
Kenzo Sanematsu	SRG, AIST
Mai Tron Nhuan	Vietnam National Univ.
Makoto Inoue	Global Infotec INC.
Mohamad Nur Heriawan	Bandung Institute of Technology
Noriyoshi Tsuchiya	Tohoku University
Sudarto Notosiswoyo	Bandung Institute of Technology
Tetsuro Yoneda	Hokkaido University
Venkatesh Raghavan	Osaka City University
Yusaku Yano	AIST

ABOUT ISME

- The ISME started in 1990 focusing on mineral resource exploration in terms of Artificial Intelligence (AI), and then has developed to solve other problems of natural resources such as uranium, coal, natural gas, petroleum, methane hydrate, geo-thermal, groundwater, and aggregates, as well as the related environmental issues. The symposium will cover all aspects that can contribute to innovate resource exploration technology including the field of IT/IoT with Artificial Intelligence.
The ISME proceedings have been published as proceedings volumes or in several special issues of the

HISTORY OF ISME

- ISME Symposia have been held every two years from 1990 in Japan, and in various parts of the world in conjunction with annual conferences of IAMG (International Association for Mathematical Geology) and the IGC (International Geological Congress) as listed below;
 - + ISME-AI'90: Oct. 29-Nov. 2, 1990, Tokyo-Tsukuba, Japan
 - | The Use of Artificial Intelligence, Special Issue in Journal of Geoinformatics, v. 2, no. 2, 1991
 - + ISME-II: Sep. 7-8, 1992, Tokyo, Japan
 - | Quantitative Methods of Resource Assessment, Integration of Geoscience Data and New Techniques for Exploration, Special Issue in Nonrenewable Resources, v. 2, no. 2, 1993
 - + ISME-III: Oct. 4, 1994, Mont Tremblant, Canada (joint with IAMG)
 - | Visualization of Spatial Data, Special Issue in Nonrenewable Resources, v. 4, no. 3, 1995
 - + ISME-IV: Aug. 10-11, 1996, Beijing, China (joint with IGC30)
 - | Deposit Modeling and Advanced GIS for Exploration
 - + ISME-V: Aug. 20-21, 1998, Brisbane, Australia
 - | Mineral Exploration Risk, Uncertainty and Decision Support Systems
 - + ISME-VI: Aug. 15-16, 2000, Rio de Janeiro, Brazil (joint with IGC31)
 - | Information Science in Mineral Exploration
 - + ISME-VII: Aug. 20-21, 2002, NASA, California, USA
 - | Application of Artificial Neural Networks to the Earth Sciences, Special Issue in Natural Resources Research, v. 12, nos. 2&3, 2003
 - + ISME-VIII: Aug. 22, 2004, Florence, Italy (joint with IGC32)
 - | Mathematical Geology for Resource Exploration, Special Issue in Natural Resources Research of v. 14, no. 4, 2005.
 - + ISME-IX: Sep. 19-21, 2006, Bandung, Indonesia
 - | Toward New Frontiers for Resources Exploration and Sustainable Development
 - + ISME-X: Aug. 4-16, 2008, Oslo, Norway (joint with IGC33)
 - | Earth System Science: Foundation for Sustainable Development
 - + ISME-XI: Sep. 7-8, 2010, Espoo, Finland
 - | The Technological Challenges and Innovation of Resources Exploration, Subsurface Waste Disposal and Environment
 - + ISME-XII: Aug. 5-10, 2012, Brisbane, Australia (joint with IGC34)
 - | Unearthing Our Past and Future ? Resourcing Tomorrow
 - + ISME-XIII: Sep. 22-24, 2014, Hanoi, Vietnam
 - | Toward Sustainable Society with Natural Resources - Frontiers in Earth Resources Technologies and Environmental Conservation
 - + ISME-XIV: Aug.27-Sep.4, 2016, Cape Town, South Africa, (joint with IGC35)
 - | New Theories and Methods in Resources Exploration."

IMPORTANT DEADLINES

- **Abstracts Due: May 31 ~~April 30~~, 2018**
Author Notification: June 15 ~~May 15~~, 2018
Digital Camera Ready Paper Due: July 10, 2018
Early Registration fee deadline: July 31, 2018
- The abstracts will be reviewed by at least two referees selected by the Program Committee. Interested contributors should submit the abstract submission form **before May 31 ~~April 30~~, 2018** to <ISMExy-abstract@gipc.akita-u.ac.jp>. The form can be downloaded from the link given below.
<[Abstract Submission Form](#)>
Please include title, author(s), affiliation, mailing address, phone & fax, e-mail address, 3-5 keywords, and corresponding author with your submittal. Contributors should choose the presentation method of oral or poster, which might be re-determined by the Program Committee.
The notified contributors should submit electronically one-page digital camera ready paper in English before July 10, 2018 to <ISMExy-abstract@gipc.akita-u.ac.jp>. The template file can be downloaded from the link given below.
<[Camera Ready Paper Template](#)>(60KB)
- Excellent presentation(s) will be awarded.
- Selected distinguished papers will be invited to the special issue of the [National Resources Researches](#).
- Registration will start on June 1, 2018. Only papers of participants registered before 17:00 July 31 (JST), 2018 will be included in the proceedings volume. The full papers will be published in an appropriate journal or a book. For more details, please contact to the conference secretariats.

REGISTRATION FEE

- Before 17:00, July 31 (JST)
General 25,000 JPY / person
Student 10,000 JPY / person
(Note) Lunch, banquet, ice breaker and excursion are excluded

Accompany Person 5,000 JPY / person
Banquet 7,000 JPY / person
Excursion 10,000 JPY / person

- After 17:00, July 31 (JST)
General 30,000 JPY / person
Student 15,000 JPY / person
(Note) Lunch, banquet, ice breaker and excursion are excluded.

Accompany Person 5,000 JPY / person
Banquet 7,000 JPY / person
Excursion 10,000 JPY / person

- [Registration page has been opened. \(June 1st\)](#)
-

LANGUAGE

- The official language of the symposium will be English.
-

SCHEDULE

- November, 2018
26(Mon): Technical sessions with Keynote Lectures & Ice Breaker
27(Tue): Technical sessions with Keynote Lectures & Banquet
28(Wed): Excursion

- Tentative time table is uploaded in the [shedule page](#).
-

EXCURSION

- The Excursion held in the final day of the symposium is one-day trip around Kyoto City by chartered bus. We visit many beautiful geological sites by effective time schedule with reasonable price.

The ticket for excursion can be purchased at the registration page:

Registration page: <https://isme-xv.peatix.com/>

The registration due is October 31.

- Excursion course (may change due to traffic condition etc.)

Departure from downtown of Kyoto City at around 8:00 -> Visit to a site near the Otani Mine, Kameoka City [1] -> Visit to a Sake Brewery [2] -> Hozugawa River Cruise [3] -> Lunch and walk in Arashiyama [4] -> Katsura campus of Kyoto University [5] -> Yoshiminedera Temple [6] -> Kyoto station at around 18:00

Please check following links for more information of visiting sites.

[1] <https://www.trekgeo.net/m/m/htP/otaniKYTOe.htm>

[2] <http://www.okinazuru.co.jp/yakata/sakeyakata.htm>

[3] <https://www.japan-guide.com/e/e3966.html>

[4] <https://www.japan-guide.com/e/e3912.html>

[5] <https://www.kyoto-u.ac.jp/en/about/profile/campuses>

[6] <https://www.japan-guide.com/e/e3947.html>

CONFERENCE SECRETARIATS

- Youqing Chen
Asst. Prof., Graduate School of Energy Science, Kyoto University, Yoshida-Honmachi, Sakyo-ku, Kyoto 606-8501, JAPAN
E-mail: chen@energy.kyoto-u.ac.jp
FAX: +81-75-753-5428
-

- Koki Kashiwaya
Asst. Prof., Graduate School of Engineering, Kyoto University, Kyoto Daigaku-Katsura, Nishikyo-ku, Kyoto 615-8540, JAPAN
E-mail: kashiwaya-koki.8a@kyoto-u.ac.jp
FAX: +81-75-383-3318
-

- Tatsu Kuwatani
Researcher, Dept. of Solid Earth Geochemistry, Japan Agency for Marine-Earth Science and Technology (JAMSTEC),
2-15 Natsushima-cho, Yokosuka 237-0061, Japan

E-mail: kuwatani@jamstec.go.jp
PHONE: +81-46-867-9626, FAX : +81-46-867-9626

● Corresponding address: isme15ML@t.kyoto-u.ac.jp

[RETURN to TOP](#) 