32nd ANNUAL MEETING of JAPANESE SOCIETY for MICROBIAL ECOLOGY & 10th ASIAN SYMPOSIUM on MICROBIAL ECOLOGY (ASME)

July 11 [WED]-13 [FRI], 2018
Okinawa Convention Center, Gino-wan, Okinawa, Japan
Greetings from Chairman:

Dear ASME members,

We would like to cordially invite all of you to the 10th Asian Symposium on Microbial Ecology that will be held in the Okinawa Convention Center, Ginowan-city, Okinawa, Japan on July 11-13, 2018. It will take place together with the 32nd Japanese Society for Microbial Ecology (JSME) annual meeting. The venue is located one hour from the Naha (Okinawa) International airport by public transportations.

The ASME will have the 10th anniversary and we would like to take this special opportunity to organize exciting sessions by ASME members with our neighboring country researchers and students. Microbial ecology is now strongly driven by meta-omics. However, not only those state-of-the-art technology-based research but field-based, cultivation-based, and interdisciplinary studies are very important to make our societies move forward to greatly contribute to scientific societies and industries. We would welcome all type of studies connecting microbiology, bioengineering, agriculture and ecology together.

We will be organizing three ASME sessions (July 11 afternoon, July 12 morning and afternoon). On July 13, we will have the JSME and Microbes and Environments paper award lectures and invited sessions, and finally have a get-together that evening. The ASME sessions will be organized mainly by ASME ambassadors and by the JSME office members. Your input to them would be highly appreciated (the earlier the better).

The venue is just right beside the cobalt-blue ocean and a resort hotel. We expect the weather will be pretty fine with a clear sky and dazzling sunlight. We will have a BBQ party on July 11 evening at the beach, and will try to arrange a sunset cruising on July 12 (the number of people may be limited though). On July 13, you may either attend the JSME sessions or have enjoyable time swimming at the beach, visiting a world famous aquarium or taking a walk in villages with Japanese southern island’s tropical atmosphere and traditions (but remember that we will have a banquet so please get back to the venue by then). We strongly recommend that you will arrive in Okinawa on July 10 at the latest, and depart from there on July 14 at the earliest. For details, please visit our annual meeting website (http://meeting-jsme2018.com/asme_english.html).

We are looking forward to seeing all of you in Okinawa.

Sincerely yours,

Yoichi Kamagata
President, Japanese Society for Microbial Ecology
# Schedule:

- **ASME session**
- **ASME/JSME session**
- **JSME session**
- **Social event**

## Wednesday, July 11th

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**Poster presentation 1**

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*Even number*

**Short break (15:15/15:20-15:30)**

**Move to beach**

**BBQ on the beach**

## Thursday, July 12th

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**Poster presentation 1**

*Odd number*

*Even number*

**Short break (15:20-15:30)**
### Friday, July 13th

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<th>Time</th>
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<th>Theater</th>
<th>Laguna Garden Hotel</th>
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<tr>
<td>8:00</td>
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<td>Open</td>
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<td>9:00</td>
<td>Post presentation 2</td>
<td>JSME business meeting 9:00-10:00</td>
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<td>10:00</td>
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<td>M&amp;E paper award</td>
<td>Encouragement award 10:00-12:00</td>
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<td>Ceremony &amp; Presentation</td>
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### Information and registration website

### Important dates
- May 11 (24:00 JST), 2018: Abstract submission and early-bird registration close.
- June 1, 2018: Program open.
- July 11-13, 2018: 10th ASME & 32nd JSME annual meeting

### Language
English (a part of JSME sessions will be in Japanese)

### Poster and oral presentations
Poster presentations (A0 portrait, 84.1 cm x 118.9 cm) are open for all participants. Each poster will be displayed for the two days (July 11-12 or July 12-13). Student and young participants are welcomed to submit the ASME/JSME oral session for young scientists.
**Venue:** Okinawa Convention Center
Address: Mashiki 4-3-1, Ginowan City, Okinawa 901-2224, Japan
Website: http://www.oki-conven.jp/en/

**Shuttle buses:** Shuttle buses from Omoromachi station to Okinawa Convention Center will run in the morning (from Omoromachi station to Convention Center) and evening (from Convention Center to Omoromachi station). It takes 40 min at least (depending on traffic).

**Public buses:** Public bus will be also available from Naha Bus Terminal to Okinawa Convention Center. Please check the website:
Meeting rooms:

Conference Building A

- A1: Poster session

Conference Building B

- B1: ASME session 1 & 2
- JSME Symposium 2
- Woman Scientist Roundtable
- B2: ASME business meeting
- B3/B4: ASME session 3
- B5/B6/B7: JSME oral sessions
ASME Scientific Program
July 11th, Wednesday:

ASME session 1 "Ocean & Geomicrobiology"  room B1, 13:00-15:20

Conveners:
Sung-Geun Rhee, Chungbuk National University
Yin-Ru Chiang, Academia Sinica
Yuki Morono, JAMSTEC

Invited speakers:
Ok-Seun Kim, Korea Polar Research Institute
"Distinctive microbial assemblages and their ecological function in permanently ice-covered lakes of the Dry Valleys, Antartica"

Dong-woo Lee, Yonsei University
"Evolutionary genetic traits for thermal adaptation in Bacillales"

Li-Hung Lin, National Taiwan University
"Steep redox gradient and biogeochemical processes driven by deeply-rooted fluids in a terrestrial mud volcano"

Sing-how Tuo, Academia Sinica
"Effects of Fe and Ni on Cyanothece nitrogen fixation and hydrogen production"

Takuro Nunoura, JAMSTEC
"A primordial and reversible TCA cycle in a facultatively chemolithoautotrophic thermophile"

Yohe Suzuki, The University of Tokyo
"Deep microbial ecosystems within Cretaceous igneous rocks"

July 12th, Thursday:

ASME session2 "Frontier in Microbial Ecology & Young Scientist Session" room B1, 9:00-11:45

Conveners:
Woojun Park, Korea University
Hsion-Wen David Kuo, Tunghai University
Ryosuke Nakai, National Institute of Advanced Industrial Science and Technology

Invited speakers for "Frontier in Microbial Ecology"
Tatsuya Unno, Jeju National University
"Current Progress and Challenges in Microbial Source Tracking Based on Next-Generation-Sequencing"

Woo-Jun Sul, Chung-Ang University
"Skin Microbiome: Fragile skin microbiomes in megacities are assembled by a predominantly niche-based process"

Pi-Han Wang, Tunghai University
"Ecology of airborne fungi associated with respiratory allergy"
Chi-Te Liu, National Taiwan University
"Role of bacterial type VI secretion system in rhizobium-legume mutualistic symbiosis"

Masanori Toyofuku, University of Tsukuba
"Challenging the dogma of bacterial membrane vesicle formation"

Speakers for "Young Scientist Session"
Yung Mi Lee, Korea Polar Research Institute
"Genomic insight into the predominance of candidate phylum Atribacteria JS1 lineage in marine sediments"

Seungdae Oh, Kyung Hee University
"Uncovering the bacterial community assembly pattern and novel populations in Baltic Sea surface waters"

Chungyu Guan, National Taiwan University
"Plant microbial fuel cell for remediation of hexavalent chromium contaminated soil and treating mechanisms"

Tzu-Hsuan Tu, National Taiwan University
"Microbial community composition and functional capacity in a terrestrial ferruginous, sulfate-depleted mud volcano"

Kanae Kobayashi, Hokkaido University
"Nitrogen and oxygen isotope effect of anaerobic ammonium oxidation"

Arisa Nishihara, Tokyo Metropolitan University
"Nitrogen-fixing bacteria and nitrogenase activity in thermophilic chemosynthetic microbial communities at Nakabusa hot springs"

Woman Scientist Roundtable (WSR) and JSME Luncheon Symposium room B1, 11:50-12:50

Conveners:
Kyung-Hwa Beak, National Biodiversity Institute of Korea
Pi-Han Wang, Tunghai University
Naoko Yoshida, Nagoya Institute of Technology
Organized by ASME Woman Scientist Network and JSME Committee for the Promotion of Diversity and Gender Equality

Invited speaker:
Michele Thompson, Okinawa Institute of Science and Technology
"Unconscious bias in academic society (tentative title)"

Roundtable discussion
"Sharing experiences to overcome unconscious bias and encouraging young scientists (tentative title)"
ASME session3 "Syntrophy" room B3/B4, 13:00-15:20

Conveners:
Taeho Lee, Pusan National University
Chang-Ping Yu, National Taiwan University
Takashi Narihiro, National Institute of Advanced Industrial Science and Technology

Invited speakers:
Hee-deung Park, Korea university
"Syntrophic association between exoelectrogenic bacteria and methanogenic archaea via granular activated carbon in anaerobic digestion"

Giin-Yu Amy Tan, Hong Kong Polytechnic University
"The selective enrichment of syntrophs, methanogens and exoelectrogens on granular activated carbon in stage anaerobic fluidized bed membrane bioreactors (SAF-MBRs)"

Sheng-Chung Chen, National Chung Hsing University
"Isolation of Methanoculleus species from deep-sea potential gas hydrate bearing area and their comparative genomic analyses"

Catalina Hidalgo Ahumada, Wageningen University
"Novel energy conservation strategies and behavior of Pelotomaculum schinkii driving syntrophic propionate catabolism"

Masaru K Nobu, National Institute of Advanced Industrial Science and Technology
"Smithella propionica LYP uses a novel fourth pathway for syntrophic propionate degradation"

JSME symposium "Expedition to submillimetre habitat: Microscale technologies to unveil microbial dynamics in nature" room B1,13:00-15:20

Conveners:
Yoshiteru Aoi, Hiroshima University
Yutaka Yawata, University of Tsukuba

Invited speakers:
Setsu Kato, Dept. Molecular Biotechnology, Hiroshima University
"Single cell analysis to understand the behavior of bacterial cells"

Yoshiteru Aoi, Hiroshima University
"Miniscule space designing for microbial cultivation"

Bennett Lambert, MIT-WHOI Joint Program in Applied Ocean Science and Engineering, ETH Zurich
"Probing phytoplankton-bacteria interactions with in situ microtechnology"

Yutaka Yawata, University of Tsukuba
"Integrating microfluidics, robotics and noninvasive cell analysis technologies: Controlled ecophysiological studies at single-cell resolution"
July 13th, Friday:
Plenary Lecture, Theater, 13:30-16:00

Zhang Yu, Chinese Academy of Science
"Horizontal Gene Transfer and Management of Antibiotic Resistance in Pharmaceutical Wastewater Treatment Systems"

Jongsik Chun, Seoul National University
"Database-driven microbiology for bacterial taxonomy and microbiome research"

Yuji Sekiguchi, National Institute of Advanced Industrial Science and Technology
"From physical cell isolation to in silico genome isolation: genome centric metagenomics."

Ken Kurokawa, Center for Information Biology, National Institute of Genetics
"Integrated Database for Microbe “MicrobeDB.jp”"
Organizing committee
Yoichi Kamagata (chair), National Institute of Advanced Industrial Science and Technology
Taeho Lee, Pusan National University
Sung-Geun Rhee, Chungbuk National University
Hee-Deung Park, Korea University
Tatsuya Unno, Jeju National University
Kyung-Hwa Beak, National Biodiversity Institute of Korea
HyoKwan Bae, Pusan National University
Shir-Ly Huang, National Yang-Ming University
Pi-Han Wang, Tunghai University
Chang-Ping Yu, National Taiwan University
Masanori Toyofuku, The University of Tsukuba
Ryosuke Nakai, National Institute of Advanced Industrial Science and Technology
Satoshi Nakagawa, Kyoto University
Takashi Narihiro, National Institute of Advanced Industrial Science and Technology
Natsuko Hamamura, Kyushu University
Yu Matsuura, University of the Ryukyus
Yuki Morono, JAMSTEC
Susumu Yoshizawa, The University of Tokyo

ASME Advisor:
Kazuhiro Kogure, The University of Tokyo
Shiu-Mei Liu, National Taiwan Ocean University

JSME annual meeting board members:
Naoya Shinzato (chair), University of the Ryukyus
Michihiro Ito, University of the Ryukyus
Gaku Tokuda, University of the Ryukyus
Kazutaka Takeshita, University of the Ryukyus
Manabu Kanno, National Institute of Advanced Industrial Science and Technology
Yoshitomo Kikuchi, National Institute of Advanced Industrial Science and Technology
Yuya Sato, National Institute of Advanced Industrial Science and Technology
Hideyuki Tamaki, National Institute of Advanced Industrial Science and Technology
Tomoyuki Hori, National Institute of Advanced Industrial Science and Technology
Hideomi Ito, National Institute of Advanced Industrial Science and Technology
## Registration / Banquet / Mixer fees

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Banquet on July 13th: at Laguna Garden Hotel
- Regular participant ASME member: 7,000 JPY
- Regular participant Non-member: 5,000 JPY
- Regular participant Student: 9,000 JPY
- Non-member: 7,000 JPY
- Student: 2,000 JPY

Mixer on July 11th: BBQ at the Ginowan Tropical beach
- Regular participant ASME member: 2,000 JPY
- Regular participant Non-member: 2,000 JPY
- Regular participant Student: 2,000 JPY

* Paypal payment service is acceptable on the registration website (the transaction fee is included):

### Social events:
#### Welcome BBQ on the beach
**Date and Time:** 11 July, 18:30-20:30
**Site:** Ginowan Tropical beach

#### Banquet
All participants are invited. Please pay the fee on-line in your registration process.
**Date and Time:** 13 July, 18:00-20:00
**Site:** Laguna Garden Hotel
KARIYUSHI
To celebrate having 32nd JSME and 10th ASME conferences in Okinawa, we are selling the limited edition of embroiled Kariyushi shirts.

What is “Kariyushi” shirt?
"Kari" means lucky and "Yushi" means come near in Okinawan (Ryukyu) dialect. It was named in a wish that wearing it will bring you a fortune. Kariyushi shirt is a similar to Hawaiian shirt. They have Okinawa’s original prints and are sewn in Okinawa. People in Okinawa wear Kariyushi shirt as formal business wear or as casual wear, so it can be worn at this conference or at social events. Please refer to the page linked to the following URL for the design and more details. http://meeting-jsme2018.com/asme_kariyushi.html

If you would like to purchase, please contact us with your information (name, affiliation, and contact detail) as well as the color, the size and how many shirts you would like to purchase by April 30th. The order confirmation will be sent after confirming with the vender. Payment can only be made at on-site registration desk (only cash payment (JPY) is acceptable). Please note that numbers of shirts are limited so we may have to ask for a cancellation or color/size change. (*Men’s dark red and navy shirts are on low stock.)

Contact details for KARIYUSHI: jsme2018@gmail.com (32nd JSME congress secretariat)