

**The Joint Meeting of the 26th New Year's Meeting of the Estuary
Research Center and the 7th Annual Symposium of Japanese Association
for Estuarine Science**

Schedule

January 12 (Saturday), 2019:

- 10 : 20–10 : 25 **Opening Speech (Vice-president of Shimane University)**
- 10 : 30–11 : 30 **General Session “General contribution for Estuarine Science”**
-- Lunch Break --
- 13 : 00–15 : 30 **General Session “Aquatic Ecology”**
- 15 : 45–17 : 00 **General Session “Environmental Fluid Dynamics”**
- 19 : 00–21 : 00 **Conference Dinner**

January 13 (Sunday) , 2019:

- 10 : 00–10 : 15 **General Session “Environmental Change”**
- 10 : 15–12 : 00 **Special Session “Holocene environmental Change, 2019”**
- 12 : 00–12 : 05 **Speech (President of Japanese Association for Estuarine Science)**
-- Lunch Break --
- 13 : 20–17 : 00 **International Special Session**
“Estuary Development and Long-Term Environmental Changes in East Asia”

Venue: Room 21, Interdisciplinary Faculty of Science and Engineering 1st building, Shimane University

January 12 (Saturday), 2019:

10 : 20–10 : 25 **Opening Speech**

Yukikuni AKISHIGE (Vice-president of Shimane University)

General Session “General contribution for Estuarine Science” (10 : 30–11 : 30)

10 : 30–10 : 45 **Data bank on national reclamation project of Lake Nakaumi**

Takao TOKUOKA (Professor Emeritus, Shimane Univ.)

10 : 45–11 : 00 **Estimation of suspended solids using spectral reflection observation in brackish water**

Yosuke NAKAYAMA and Toyoshi SHIMOMAI (Sci., Shimane Univ.)

11 : 00–11 : 15 **Difference in spectral reflection characteristics in Lake Shinji / Nakaumi and surrounding areas of Shimane Peninsula**

Tomohiko SAKAMOTO and Toyoshi SHIMOMAI (Sci, Shimane Univ.)

11 : 15–11 : 30 **Comparison of automatic observation data and Lake Shinji /Nakaumi turbidity distribution estimation system using the MODIS**

Naoya KOIKE (Nat, Shimane Univ.) and Toyoshi SHIMOMAI (Sci, Shimane Univ.)

-- **Lunch Break (11:30–13:00)** --

General Session “Aquatic Ecology” (13 : 00–15 : 30)

13 : 00–13 : 15 **Distribution of submerged macrophytes and *Cladophora* spp. growing luxuriantly in Lake Shinji**

Hiroko HARAGUCHI (*EsReC*, Shimane Univ.), Gou KAWAKAMI (Nature Restor, Cent.) and Koji SETO (*EsReC*, Shimane Univ.)

13 : 15–13 : 30 **Distribution characteristics of *Sargassum horneri* using quantitative echo sounder in Yamada Bay, Iwate, Japan**

Kenji MINAMI (*EsReC*, Shimane Univ.), Chihomi KITA (Graduate School of Env. Science, Hokkaido Univ.), Hokuto SHIRAKAWA, Makoto TOMIYASU and Kazushi MIYASHITA (FSC, Hokkaido Univ.)

13 : 30–13 : 45 **Habitat utilization of *Dasyatis akajei* in oligohaline lake, Hii River**

Kaito SUZUKI (Nat. Sci, Shimane Univ.), Keiko YAMAGUCHI (Life, Shimane Univ.)

13 : 45–14 : 00 **Crabs having cellulase enzymes drive the food chain in a mangrove estuary**

Shun KAWAIDA (*EsReC*, Shimane Univ.), Kusuto NANJO (Appl. Aquabiol. National Fisheries Univ.), Naoya OHTSUCHI (AORI, Univ. Tokyo), Hiroyoshi KOHNO (ORRC, Tokai Univ.) and Mitsuhiko SANO (Agricul. Life Sci., Univ. Tokyo)

14 : 00–14 : 15 **Population dynamics of *Arcuatula senhousia* revealed by long-term monitorings in the Ohashi River**

Kengo KURATA (Life, Shimane Univ.), Junichi HIRATSUKA (Research Institute for Regional System), Go KAWAKAMI (Certified NPO Organization Nature Restoration Center), Masaki KUWABARA (Shinji Lake Fishermen's Cooperative Association), Yohei IIDUKA and Hiromichi KUWABARA (Certified NPO Organization Nature Restoration Center)

14 : 15–14 : 30 **Changes in the motile characteristics of Asian date mussel *Arcuatula senhousia* with special reference to individual size and water depth**

Kyota MURAKAMI and Kengo KURATA (Life., Shimane Univ.)

- 14 : 30–14 : 45 **Survival rate and growth of *Corbicula japonica* in Lake Shinji and Nakaumi Lagoon by field experiment**
Hironobu SAKIMURA (Sci., Shimane Univ), Koji SETO (*EsReC*, Shimane Univ)
- 14 : 45–15 : 00 **Changes of macrobenthic community structure in Lake Shibunotsunai, northern Japan**
Retsushi MATSUDA and Takeshi SONODA (Fac. Bioind., Tokyo Univ. Agriculture)
- 15 : 00–15 : 15 **Biogeographic investigation for tropical larger foraminifera *Amphistegina* along the coastal area of the southern part of the Japan Sea**
Hiroyuki TAKIMURA and Hiroki HAYASHI (Sci., Shimane Univ.)
- 15 : 15–15 : 30 **The necessity of studying on material cycle of silicic-acid in a catchment area/raising the issue toward Doctors from Professional-Engineer's point of view**
Shoichiro INOUE (Meiho-techno CO.LTD, Association of Shimane Professional Engineers, Institute of Environmental Study on Brackish Lake Shinji and Nakaumi)

General Session “Environmental Fluid Dynamics” (15 : 45–17 : 00)

- 15 : 45–16 : 00 **Study on production of hydroxylamine derived from phytoplankton**
Aiko HIKINO (Sci., Shimane Univ.), Toshikuni KATO (Shimane Pref. Ins. Public Hea. Env. Sci.), Shogo SUGAHARA (Sci., Shimane Univ.), Shuji OHTANI (Educ., Shimane Univ.) Michiko EGAWA (Sci., Shimane Univ.) and Yasushi SEIKE (*EsReC*, Shimane Univ.)
- 16 : 00–16 : 15 **Mechanism of the blue-green algae formation affected by rainfall in a stratified reservoir**
Shingo MASUKI (*EsReC*, Shimane Univ.), Hiroshi YAJIMA (*EsReC*, Shimane Univ.) and Syogo SUGAWARA (Sci., Shimane Univ.)
- 16 : 15–16 : 30 **Suspended solids simulation considering the influence of a tidal river in coastal area**
Sangyeob Kim (*EsReC*, Shimane Univ.) and Yuichi Hayami (Saga Univ.)
- 16 : 30–16 : 45 **The effect of discharged sewage water on water quality in tidal zone of a river**
Hiroshi YAJIMA (*EsReC*, Shimane Univ.), Khoji MANABE (Eng, Tottori Univ.)
- 16 : 45–17 : 00 **Development of dissolved inorganic carbon model in the Lake Komuke, Hokkaido**
Keisuke NAKAYAMA (Graduate School of Engineering, Kobe University), Kazufumi TADA (Chuden Engineering Consultants) and Jiro GOKKAN (Department of Engineering, Kitami Institute of Technology)

January 13 (Sunday) , 2019:

General Session “Environmental Change” (10:00–10:15)

- 10 : 00–10 : 15 **Water quality change of Lake Shinji after Western Japan heavy rain**
Kazushi KURAHASHI (Sci., Shimane Univ.), Koji SETO (*EsReC*, Shimane Univ.)

Special Session “Holocene environmental Change on estuary and surrounding area, 2019”

Conbiner : Junko KITAGAWA and Koji SETO (10:15–12:00)

- 10 : 15–10 : 30 **Holocene paleoenvironment in the Ashibe port, Iki-island, Nagasaki Prefecture**
Satoshi SASAKI, Toshiaki IRIZUKI (Sci., Shimane Univ.), Atsushi URABE (Niigata Univ.), Koji SETO (*EsReC*, Shimane Univ.), Hiroki HAYASHI and Tetsuya SAKAI (Sci., Shimane Univ.)
- 10 : 30–10 : 45 **Holocene charophyte fossils from a bore-hole core in Abu-cho, Yamaguchi Prefecture**
Noriko KAWAHARA, Toshiaki IRIZUKI (Sci., Shimane Univ.), Takashi KOMURO (Yamaguchi Univ.), Atsushi URABE (Niigata Univ.) and Koji SETO (*EsReC*, Shimane Univ.)

- 10 : 45–11 : 00 **Variation of bottom water salinity in summer and winter during the last 1,700 years in Lake Nakaumi, southwest Japan**
Katsura YAMADA, Kentaro KUROKI (Geology, Shinshu Univ.). Koji SETO (*EsReC*, Shimane Univ.) and Minoru IKEHARA (Core, Kochi Univ.)
- 11 : 00–11 : 15 **Ancient salt production and climate in Wakasa, Fukui Prefecture, Japan**
Junko KITAGAWA (Varve Museum), Koji SETO (*EsReC*, Shimane Univ.), Hideaki KOJIMA (Jomon Museum), Yoshitsugu SHINOZUKA (R-GIRO, Ritsumeikan Univ.), Irisawa Sena (Sci., Shimane Univ.), Kazuyoshi YAMADA (Museum of Natural and Environmental History, Shizuoka) and Takehito Yoshida (Research Institute for Humanity and Nature/Tokyo Univ.)
- 11 : 15–11 : 30 **Water mass structure history during the last 2000 years in Lake Hamana, Shizuoka prefecture, central Japan**
Keitaro UEMURA (Sci., Shimane Univ.), Koji SETO, Kota KATSUKI (*EsReC*, Shimane Univ.) and Kazuyoshi YAMADA (Mus. of Nat. and Envir. History, Shizuoka)
- 11 : 30–11 : 45 **Deposition Age of *Euryale ferox* seeds found at the Asahata retarding basin**
Kazuyoshi YAMADA, Yukako KURIYAMA, Saeko TAKEUCHI and Hiroshi HAYAKAWA (Museum of Natural and Environmental History, Shizuoka)
- 11 : 45–12 : 00 **Holocene sediments in the Lake Mokoto, Eastern Hokkaido, Japan**
Koji SETO, Kota KATSUKI (*EsReC*, Shimane Univ.), Toshiyuki FUJIKI (Okayama Univ. of Science), Takeshi SONODA (Tokyo Univ. of Agriculture) and Kazuyoshi YAMADA (Mus. of Nat. and Envir. History, Shizuoka)
- 12 : 00–12 : 05 **Speech**
Yoshihazu SAMPEI (President of Japanese Association for Estuarine Science)

-- Lunch Break (12:05–13:20) --

International Special Session

“Estuary Development and Long-Term Environmental Changes in East Asia” (13:20–17:00)

- 13 : 20–13 : 30 **Opening Address**
Yoshiki SAITO (Director of Eastuary Research Center: *EsReC*)
- 13 : 30–14 : 00 **Critical transition and early warning signals in Lake Ecosystem** [Invited Speech]
Rong WANG (Nanjing Institute of Geography and Limnology, Chinese Academy of Science)
- 14 : 00–14 : 30 **Impacts of the Tsushima Warm Current to the estuarine/coastal environments in the Tsushima/Korea Strait with a view to foraminiferal faunas during the Holocene** [Invited Speech]
Hiroyuki TAKATA (Pusan National Univ.), Naohisa NISHIDA (Tokyo Gakugei Univ.), Seungwon SHIN (Pusan National Univ., Kangwon National Univ.), Ken IKEHARA (AIST), Kota KATSUKI (Shimane Univ.), Daekyo CHEONG (Kangwon National Univ.) and Boo-Keun KHIM (Pusan National Univ.)
- 14 : 30–14 : 50 **Grain size and organic elemental composition of the surficial sediments in the Chinese Lingding Bay, Pearl River mouth and implications for human perturbation**
Xiuquan YUAN, Zhanghua WANG (SKLEC, East China Normal Univ.)
- 14 : 50–15 : 10 **Topography and sediment characterizing tide-dominated large-river deltas**
Yoshiki SAITO, Marcello GUGLIOTTA (*EsReC*, Shimane Univ.)

15 : 10–15 : 20 Break

15 : 20–15 : 40 **Effects of short-term climate oscillation on East Asian lagoons**

Kota KATSUKI (*EsReC*, Shimane Univ), Koji SETO (*EsReC*, Shimane Univ.), Takeshi SONODA (Faculty of bio-industry, Tokyo Univ. of Agriculture), Takuroh NOGUCHI (Faculty of Agriculture and Marine Science, Kochi Univ.) and Dong-Yoon YANG (KIGAM)

15 : 40–16 : 10 **Lithology, chronology, and hydrodynamic conditions of the Holocene delta plain in the Nakdong River estuary of the southeast Korea** [Invited Speech]

Boo-Keun KHIM (Department of Oceanography, Pusan National University, Korea)

16 : 10–16 : 40 **The progress in Chinese Palaeoecology** [Invited Speech]

Xiangdong YANG (Nanjing Institute of Geography and Limnology, Chinese Academy of Science)

16 : 40–17 : 00 **Significant contribution of reworked detrital sediments in the subaqueous Yangtze River Delta during the Holocene**

Ryuji TADA (Univ. of Tokyo and Yunnan Univ.), Keita SAITO (Univ. of Tokyo), Ke WANG (Univ. of Tokyo), Tomohisa IRINO (Hokkaido University), Masao UCHIDA (NIES), Saiko SUGISAKI (AIST), Hongbo ZHENG (Yunnan Univ.)