

DOWAS NEWS

2020

Vol.23 No.1



Announcement Regarding the DOWAS 2020 National Convention
Research Presentation Planning Committee Chair Katsunori Shimizu ...1

Report on the “23rd DOWAS National Convention DOW2019 Kagoshima Conference”
Research Presentation Planning Committee Chair Katsunori Shimizu ...2

Report on the 2019 Taiwan Deep Ocean Water International Symposium and the Taiwan Society of Deep
Ocean Water Application Conference
GO Farm Inc. President/CEO Kyoko Washiashi ...3



海洋深層水利用学会

Announcement Regarding the Deep Ocean Water Applications Society's 2020 National Convention**Research Presentation Planning Committee Chair Katsunori Shimizu**

As we all pay the utmost attention to the new coronavirus disease, I hope all members are in good health.

The yearly activities of the Society have been greatly affected, so the Board of Directors held an online conference to prepare for the general assembly.

Every year, we notify members about the national convention, however, due to the influence of the new corona virus, the event scheduled to be held in Sado City, Niigata, will be postponed until next year and an online conference will take place this year. We would also like to inform you that the board of directors have also decided the content of the research presentations presented at the web conference will be published in the society's journal.

Regarding the holding of the national convention online, the election of new officers for the board of directors is scheduled for July 2, and the new system for the general assembly to be held separately will be decided by the research presentation planning committee. Therefore, we would like to ask your patience as we develop the application guidelines for research presentations at the national convention.

Report on the “23rd DOWAS National Convention DOW2019 Kagoshima Conference”**Research Presentation Planning Committee Chair Katsunori Shimizu**

The “Deep Ocean Water 2019 Kagoshima Conference” was held on October 10, 2019 (Thursday) at Kagoshima University Inamori Hall Kimi & Kesa Memorial Hall. The Conference was scheduled for 3 days as usual, however, since the tour site was to the DOW-related facilities on Shimokoshiki Island, research presentations were held to one day while the tour was two days. Due to Typhoon 19, the tour was cancelled and research presentations were held for one day. The outline of the convention follows.

<Overview of the 23rd DOWAS National Convention>

Main Organizer: DOWAS

Co-Organizers: Kagoshima DOW Council

Kagoshima University Center for Industry/ Regional Collaboration

Supported by: Ministry of Education, Culture, Sports, Science and Technology-Japan; Japan Fisheries Agency; Kagoshima Prefecture; Satumasendai City

Sponsors: Koshikijimashousen Inc, Shellfish Koshiki Inc, Center Foods Inc, Kankyō System Inc, Kankyō Bio Engineering Inc, Beer Tech Inc, Nichimou Mariculture Inc, Nangokushoukusan Inc, KoshikiDOW Inc

Date: October 10, 2019 (Thursday)

Venue: Kagoshima University Inamori Hall Kimi & Kesa Memorial Hall

Contents:

- Research Presentations: 15 talks
Marine/Water, Biology/Fisheries, Agriculture/Livestock, Health/Medical: 9 talks
(Chair: Hiroto Maeda Director Kagoshima University Center for Industry Regional Cooperation)
- Utilization System/Facility: 6 talks
(Chair: Michiyasu Nomura Director DHC DOW Research Institute)
- Poster Presentations: 3 (1 domestic, 2 from South Korea)
- Special Lecture: 1 talk

For this convention, despite the special circumstances surrounding typhoon preparations, all participants were able to attend without cancellation. More than 120 people participated including 57 members, 38 non-members, 5 students, and staff. Participants from overseas included 4 people from South Korea and 11 from Taiwan.

Regarding the number of research presentations, as time was limited to one day, there were 15. From the next fiscal year, we think we would like to keep more than 25 presentations.

One Special Lecture was provided by Mr. Koji Inoue (Director of NPO Ocean Roman21) on the topic of the effectiveness of deep ocean water for energy conservation in “Ocean Thermal Energy Conversion Power Generation Concept in remote islands of Amami.” In addition, in the future in order to share the characteristics of the venue and information on deep ocean water, I would like to keep a few presentations by creating a special feature. Regarding poster presentations, we would like to consider expanding presentations and exchanges from overseas with the cooperation of the academic societies in Taiwan and South Korea.

In addition, there was a case of application for presentation at this conference, but due to an oversight at the reception desk of the conference secretariat, it resulted that they were unable to make a presentation. Regarding this matter, we hope to prevent recurrence by posting the following notes in the announcement notice for the next fiscal year.

- The application form is “one person per sheet.” Multiple applications cannot be made on the same form.
- As a guideline for the application form, please fill in the “provisional title” even if the research presentation title is undecided so that the intention of the research presentation is conspicuous.
- When accepting an application for research presentation, the reply email from the conference secretariat will state (in Japanese) “We accept conference participation and presentation.”

Regarding this matter, if you have any comments please email the research presentation planning committee. We apologize to any members that were inconvenienced.

We would like to thank all the members of Kagoshima University and the Kagoshima Deep Ocean Water Council for accepting the event and preparing and operating it with great cooperation. We also apologize for the inconvenience caused to everyone at the Satsumasendai City Visitors Bureau Shimokoshiki Island Branch.

Finally, as organizer for this event, I would like to thank all the members for their understanding and cooperation in the activities of the Society.

We are currently adjusting the venue for the next year, but we are considering “Sado.” We would like to ask for a large number of participants after the schedule is adjusted.

Ends

**Report on the 2019 Taiwan Deep Ocean Water International Symposium
and the Taiwan Society of Deep Ocean Water Application Conference
GO Farm Inc. President/CEO Kyoko Washiashi**

At the request of Ping-Yi Huang of the Taiwan Stone and Resource Industry R&D Center (now of Tamsuo Aquatic Products) which is a driver of the Taiwan Society of Deep Ocean Water Resource Application (TWDOWA), a member of this society, we participated in the Taiwan Symposium held in Keelung Taiwan on November 29, 2019. From Japan, Masahiro Takahashi, Chairman of Japan DOWAS and Professor Chiaki Imada of Tokyo University of Marine Science and Technology also participated.

We arrived the evening before the symposium and were hosted to a grand dinner party by President of TWDOWA Tai-Wen Hsu. Former President of the Taiwan National Ocean University Kuo-Tien Lee and about a total of 14 people participated with an active exchange of opinions and peaceful time.

On the day of the symposium, the poor weather from the previous day recovered, and we entered the venue while admiring the scenery of Keelung which is blessed with mountains surrounding three sides and a good natural port. In the keynote speech I in the first half of the symposium, Professor Chiaki Imada spoke on the theme “Exploration of DOW Microbial Resources and Industrial Use,” in which he discussed the research results of marine-derived microorganisms isolated and culture from deep ocean water and its subsequent use in industry.

Following that, I was allowed to provide the keynote speech II on the topic “Development of DOW Use in the Fisheries Field,” providing a background to the start of onshore oyster aquaculture business using DOW, the impact of seafood resources caused by rise in seawater temperature due to current sea pollution and global warming, and based on that point, concerning the importance of developing DOW utilization for the fishery industry and Japan’s aquaculture.

In the keynote speech III, Chen Li-Ting of the Food Industry Research and Development Center spoke on the topic “The Current State and toward Future Development of DOW Industry in Taiwan,” discussing both private DOW use in Taiwan and future government efforts. Afterward, a panel discussion was held, and in the afternoon, the TWDOWA General Assembly and thesis presentations were conducted during which was felt a sense of unity towards development of DOW in Taiwan between the efforts of the private sector and government.

Based on this symposium, we are convinced that DOW related industries will further grow in cooperation with the government based on the passionate efforts of TWDOWA young researchers and private sector activities that have been conducted so far. Going forward, Japan and Taiwan will lead DOW industry development in Asia, and we are reminded of our mission to pass on valuable resources and industrial creation to the next generation through the work of sharing information.

Last, but not least, I would like to express my gratitude to TWDOWA for giving me such a valuable experience and for the warm hospitality I received.