

2nd OCEANOISE ASIA

June 5-7, 2018, Hakodate, Hokkaido, Japan
<http://ubac.jp/OceanoiseAsia.html>

PROGRAM



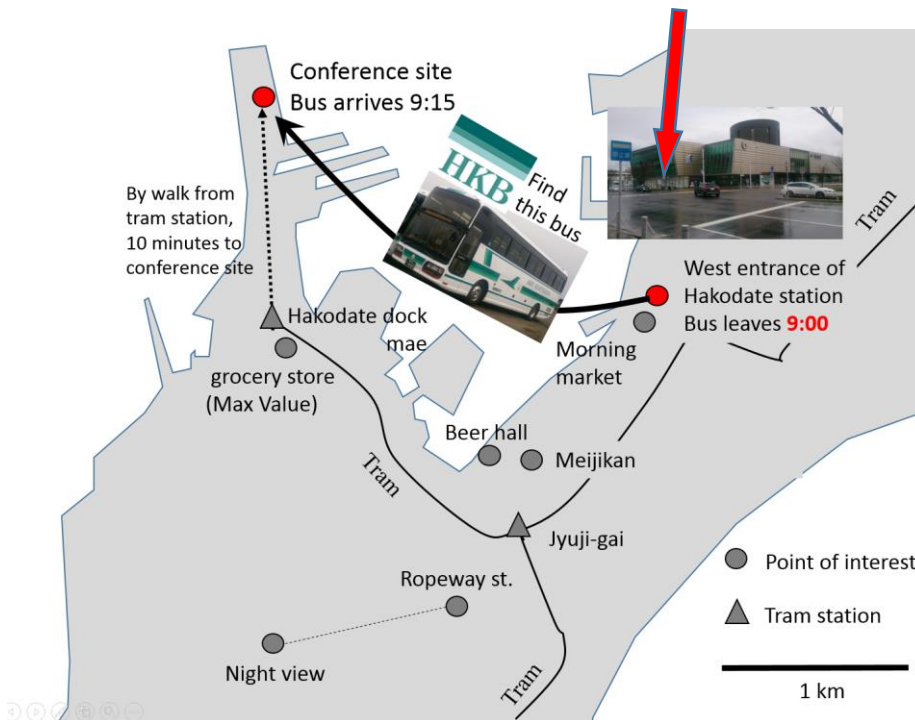
Conference schedule at a glance

Tuesday (June 5)	Scientific/Social program	Notes
09:30 – 10:30	Registration Plenary (Shane Guan)	Bus leaves at 9:00 from Hakodate station. Visit registration desk. Order lunch box if you need. Plenary session will start at 9:50.
10:30 – 11:00	Coffee Break	At lounge area, complimentary coffee, tea and cookies are available.
11:00 – 12:30	Hearing and physiological effects	15 minutes / talk + roundtable
12:30 – 13:30	Lunch / exhibitor	Pick up lunch box at registration desk. Ten minutes' walk to the closest grocery store.
13:30 – 15:00	Behavioral response	15 minutes / talk + roundtable
15:00 – 15:30	Coffee Break	At lounge area, complimentary coffee, tea and cookies are available.
15:30 – 17:00	Passive acoustical monitoring	15 minutes / talk + roundtable
17:20 – 19:30	Ice-breaker at the conference site	Help us to prepare the party supported by sponsors. Bus leaves at 19:45 via ropeway st. to Hakodate.

Wednesday (June 6)	Scientific/Social program	Notes
09:30 – 10:00	Plenary (Chi-fang Chen)	Bus leaves at 9:00 from Hakodate station. Order lunch box at registration desk if you need. Plenary session will start at 9:30.
10:00 – 10:30	Coffee Break	At lounge area, complimentary coffee, tea and cookies are available.
10:30 – 12:00	Offshore windfarm	15 minutes / talk + roundtable
12:00 – 13:00	Lunch / exhibitor	Pick up lunch box at registration desk. Ten minutes' walk to the closest grocery store.
13:00 – 14:30	Poster session	Presenter should stand-by at the poster
14:30 – 15:00	Coffee Break	Poster exhibition continues during coffee break.
15:00 – 16:30	Shipping noise	15 minutes / talk + roundtable
17:30 – 21:00	Banquet with hot spring	Bus leaves after session, via Hakodate station to banquet place (Hanabishi Hotel).

Tuesday (June 7)	Scientific/Social program	Notes
09:30 – 10:00	Plenary (Michel Andre)	Bus leaves at 9:00 from Hakodate station. Order lunch box at registration desk if you need. Plenary session will start at 9:30.
10:00 – 10:30	Coffee Break	At lounge area, complimentary coffee, tea and cookies are available.
10:30 – 12:00	Noise effect criteria and zoning	15 minutes / talk + roundtable
12:00 – 13:00	Lunch / exhibitor	Pick up lunch box at registration desk. Ten minutes' walk to the closest grocery store.
13:00 – 15:00	Soundscape	15 minutes / talk + roundtable
15:00 – 15:30	Coffee Break	At lounge area, complimentary coffee, tea and cookies are available.
15:30 – 17:00	Fish abundance and movements Closing	15 minutes / talk + roundtable
18:00 -21:00	Beer party	Bus leaves after session, via beer party place (Hakodate beer hall) to Hakodate station. You need beer party ticket to join.

Venue: take our bus at the west entrance of Hakodate station, 9:00 am



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Scientific Program

Tuesday / June 5

9:50 Opening remarks

10:00-10:30 Plenary lecture / *Shane Guan*

A brief history of our understandings on underwater noise impacts to marine mammals and the evolution of impact assessments in the United States, *Shane Guan*

10:30-11:00 Break

11:00-12:30 Hearing and physiological effects / *Chair: Paul Nactigall*

Low frequency hearing in odontocete cetaceans, *Paul E. Nachtigall*

Bringing two worlds together: Characterising ambient sound in two marine environments by particle motion and sound pressure level, *Bruce Martin, Klaus Lucke, Craig Robert McPherson*

Impact of noise on development and physiological stress of larval zebrafish, *Rafael Ayala Lara, Raquel O. Vasconcelos*

Noise-induced hearing loss in zebrafish: temporary threshold shifts and recovery, *Lukas Breitzler, Paulo J. Fonseca, Raquel O. Vasconcelos*

The physiological effects of continuously acoustical stress on fish, *Yi Ta Shao, Chih AnWei, Hao Yi Chang, Tzu Hao Lin, Yung-Che Tseng*

12:30-13:30 Lunch

13:30-15:00 Behavioral response / *Chair: Li Songhai*

Bottlenose dolphin vocal responses to simulated mid-frequency sonar signals, *Maria Elaine Zapetis, Jason Mulsow, Dorian Houser, Heidi Lyn*

Possible impact of seismic survey on marine fish in Indonesian Sea, *Henry M. Manik, Susilohadi*

Potential impacts of shipping noise on Indo-Pacific humpback dolphins and implications for regulation and mitigation, *Songhai Li, Mingming Liu, Lijun Dong, Jianchen Dong, Ding Wang*

Reactions of singing humpback whales to shipping noise in the Ogasawara Islands, Japan, *Koki Tsujii, Tomonari Akamatsu, Ryosuke Okamoto, Kyoichi Mori, Yoko Mitani, Naoya Umeda*

Preliminary report of the diving behavior "fluke up/down dive" of humpback whales in response to ship noise off Ogasawara (Bonin) Islands, Japan, *Kyoichi Mori, Rina Yamada, Yukino Hirai, Ryosuke Okamoto, Koki Tsujii, Tomonari Akamatsu, Yoko Mitani, Toshio Tsuchiya, Naoya Umeda*

15:00-15:30 Break

15:30 – 17:00 Passive acoustical monitoring / Chair: Ding Wang

Long-term monitoring of cetacean bioacoustics using cabled observatories in deep waters of the Mediterranean Sea, *Francesco Caruso, Songhai Li, Giorgio Bellia, Giuseppina Larosa, Sara Pulvirenti, Sara Pulvirenti, Fabrizio Speziale, Salvatore Viola, Giorgio Riccobene, Giuseppe Alonge, Emilio De Domenico, Gianni Pavan, Francesco Simeone*

Passive acoustic monitoring of small odontocetes in the area of potential offshore windfarm site off Fukushima, *Satoshi Fukui, Noriyo Yamamoto*

Sound production by Steindachner (*Sebastes taczanowskii*); received sounds and fish density, *Naoto Matsubara, Makoto Sakamoto, Seiji Katakura, Tomonari Akamatsu, Ryuzo Takahashi, Yasuzumi Fujimori, Nobuo Kimura, Kazuyoshi Maekawa, Hiroki Yasuma*

Acoustical mapping of damsel fish using towed hydrophone in coral reef, *Tomonari Akamatsu, Saki Harii, Frederic Sinniger*

Wednesday / June 6

09:30-10:00 Plenary lecture / Chi-Fang Chen

Review of the offshore wind farm noise impact assessment in Taiwan, *Chi-Fang Chen*

10:00-10:30 Break

10:30-12:00 Offshore windfarm / Chair: Chi-Fang Chen

Impact of noise from pile driving on marine mammals: A comparison of different noise exposure criteria, *Frank Thomsen, Uwe Stöber*

The analysis of pile driving noise simulation and measurement, *Ping-Jung Sung, Chi-Fang Chen*

Simulation for the pile driving cumulative effect on *Sousa chinensis* for offshore wind farm in western Taiwan, *Tai-Hua Liu, Yao-Sung Hsu, Peng-Kuei Chen, Chi-Fang Chen*

Measurement and analysis of the pile driving noise in the east Taiwan Strait, *Chih-Hao Wu, Wei-Chieh Wang, Shane Guan, Chi-Fang Chen, Chiu-Kuan Shih*

Underwater acoustic monitoring at off-shore wind farm in Miaoli, Taiwan, *Meng-Fan Tsai, Chung-Wu Wang, Wei-Lun Lee, Chi-Fang Chen, Pei-Ho Chiu, Tzu-Chan Wei, Ruey-Chang Wei*

12:00-13:00 Lunch

13:00-14:30 Poster session

Detection of the movement of the Yangtze finless porpoises between the mainstream of the Yangtze River and Poyang Lake via hydrophone arrays, *Peiyu Lei, Zhitao Wang, Kexiong Wang, Ding Wang*

Acoustic monitoring of Yangtze finless porpoise (*Neophocaena asiaeorientalis asiaeorientalis*) and

underwater noise in lower reaches of Yangtze River, *Lu Zhou, Zhitao Wang, Ding Wang, Kexiong Wang*

Apply passive acoustic monitoring for *Sousa chinensis*, *Wei-Lun Li, Wei-Yen Chu, Chi-Fang Chen*

Preliminary study on automated detection of dugong feeding sounds, *Kotaro Tanaka, Kotaro Ichikawa, Louisa Ponnampalam, Kee Alfian, Heng Wei Khang, Nobuaki Arai, Hiromichi Mitamura*

Acoustic monitoring of feeding behavior of dugongs (*Dugong dugon*), *Kotaro Ichikawa, Kotaro Tanaka, Kongkiat Kittiwattanawong, Nobuaki Arai*

Categorization and inter-regional comparison of dugongs' vocalization, *Keiya Uehara, Kotaro Ichikawa, Nobuaki Arai*

Soundscape changes in the dugong habitat., *Yuma Kugai, Kotaro Ichikawa, Nobuaki Arai, Kotaro Tanaka*

Marine soundscape during a shallow-water seismic survey in the Arctic Ocean, *Patrick Finn Lonnemann, Michael Walter Kvartunas, Shane Guan*

Broadband commercial ship noise and its potential impacts on Indo-Pacific humpback dolphins, *Mingming Liu, Lijun Dong, Mingli Lin, Songhai Li*

Land-based surveys to determine effects of ship noise on humpback whale behavior off Ogasawara (Bonin) Islands, Japan., *Ryosuke Okamoto, Kyoichi Mori, Koki Tsujii, Tomonari Akamatsu, Yoko Mitani, Naoya Umeda*

The importance of noise monitoring and mitigation for offshore industrial activity, *Sei-Him Cheong, Laura Palmer, Tina Nenadovic*

The development and application of ocean noise measurement devices, *Takashi Kamoshida, Toyoki Sasakura, Yasuhiko Endo, Aki Miyagi*

Clicks propagation in the head of melon-headed whale *Peponocephala electra*, *Mika Kuroda, Motoki Sasaki, Nobuhiro Miki, Takashi Matsuishi*

14:30-15:00 Break

15:00-16:30 Shipping noise / Chair: Michel André

Quantitative and scientific research about the influence of shipping noise on humpback whales in Japan - Survey results of underwater ship radiated noise (USRN) and prediction method by CFD -, *Hikaru Kamiirisa, Nobuaki Sakamoto, Akiko Sakurada*

Automatic identification system for vehicles using acoustic signature (AIS4VAS), *Yin-Ying Fang, Chi-Fang Chen, Sheng-Ju Wu*

A study on the array gain estimation using an AIS-based shipping noise model, *Ji Sung Park, Donhyug Kang, Sungho Cho*

A study on the bearing estimation of underwater target sound using small spaced hydrophone arrays, *Sungho Cho, Donhyug Kang, Mira Kim, Jisung Park*

Understanding ocean noise directionality based on source characteristics and propagation effects, *Zhi Yong Zhang*

Thursday / June 7

09:30-10:00 Plenary lecture / *Michel André*

Underwater noise: Challenges in a changing ocean, *Michel André*

10:00-10:30 Break

10:30-12:00 Noise effect criteria and zoning / *Chair: Frank Thomsen*

Using agent based models to investigate noise impacts, *Frank Thomsen, Jonas Brandi Mortensen, Stefan Heinänen, Teo Zhi En Theophilus, Lars O. Mortensen*

Location-based in-water pile driving sound source spectrum comparison, *Shane Guan*

Piling-noise impact zone relative to the Indo-Pacific humpback dolphin off the west coast of Taiwan, *Pey-Yi Lee, Lien-Siang Chou, Chi-Fang Chen*

Will the operational noise of offshore wind turbine changed the fish community?, *Kwang-Tsao Shao, Ching-Yi Chen, Yu-Ming Shih, Horn-Ming Chen, Benny K.K. Chan, Yi-Ta Shao*

12:00-13:00 Lunch

13:00-15:00 Soundscape / *Chair: Klaus Lucke*

Soundscape characterisation is an important tool to inform environmental impact assessments, *Craig Robert McPherson, Bruce Martin, Klaus Lucke*

Soundscape of benthic fauna off Cabo Frio Island under upwelling regime, *F.C. Xavier, N.G. Silveira, E.B. Netto, M.V. Simões, S.M. Jesus*

Passive acoustics at NIWA. Results from the first long term soundscape study in New Zealand, *Giacomo Giorli, Kimberly Goetz, Craig McPherson*

Information retrieval of marine soundscape via unsupervised source separation, *Tzu-Hao Lin, Yu Tsao, Tomonari Akamatsu*

Spatial variation of marine soundscape within the habitat of Indo-Pacific humpback dolphins (*Sousa chinensis*) in Hong Kong, *Yuen-Wa Ho, Tzu-Hao Lin, Tomonari Akamatsu, Leszek Karczmarski*

Soundscape of the Pearl River Estuary, China, *Zhitao Wang, Tomonari Akamatsu, Kexiong Wang, Ding Wang*

The underwater soundscape in Jiaotou Bay, Sanya: a case study of the habitat of the Indo-Pacific humpback dolphin, *Jianchen Dong, Lijun Dong, Mingming Liu, Caruso Francesco, Songhai Li*

15:00-15:30 Break

15:30-17:00 Fish abundance and movements / *Chair: Kazushi Miyashita*

Application of acoustic telemetry to small pelagic fish -Visualization of spawning migration of Pacific

herring *Clupea pallasii*–, Makoto Tomiyasu, Hokuto Shirakawa, Masahiro Ogawa, Daichi Oshiyama, Kazushi Miyashita

Study of real time fishing monitoring using fishery echosounder, Daichi Oshiyama, Kenji Minami, Kenichi Kobayashi, Hokuto Shirakawa, Kazushi Miyashita

Pelagic fish abundance in Kochi prefecture coastal area throughout the year, Yanhui Zhu, Kenji Minami, Yuka Iwahara, Kentaro Oda, Koichi Hidaka, Osamu Hoson, Kouji Morishita, Sentaro Tsuru, Masahito Hirota, Hokuto Shirakawa, Daichi Oshiyama, Kazushi Miyashita