

Biodiversity of coastal seas and restoring environment

~New problems and the latest monitoring methods~

Session 1 : Biodiversity

~Climate change and its influence on marine species~



Hiroshi Kawai



Thomas Therriault



Toshifumi Minamoto



Takuya Sato

Session 2 : Goals for rich and healthy oceans / coastal area

~The problem of microplastics and coastal environmental restoration technology~



Hideo Okamura



Kevin Thomas



Shuhei Tanaka



Satoshi Asaoka

Kobe city, where we live, is located along the coast and must face the risks of future environmental change. Natural environments are changing due to various factors, and in order to understand their complex phenomena, it is necessary to conduct research from various aspects. This time, we are going to invite researchers from Japan and abroad, who have been studying coastal issues. In Session 1, We will talk about the current status of ecosystems in coastal areas and their changes, and in Session 2, We will talk about marine plastics and nutrients, which have recently become popular.

Date : **February 22, 2020 (Sat)**

13 : 00 ~ 17 : 00

Venue : **Kobe University
Takigawa Memorial Hall**

(About 15 minutes on foot from Hankyu
Line Rokko Station)

Participation fee : **Free**

open to students of all ages

Capacity : 120 people

language : Japanese and English
(Simultaneous interpretation available)

Application : **Please register in advance.**

Please contact the QR code below or the

E-mail address on the back.



**The program is on
the back.**



Organizer : Kobe University Research Center for Inland Seas, Asia-Pacific Network for Global Change Research
International EMECS center

Supporter (planned) : Hyogo Prefecture, Hyogo Prefectural Board of Education, Hyogo international association,
Japan International Cooperation Agency Kansai Center

Program

13:00~13:20 Welcome remarks

Session1 : Biodiversity ~Climate change and its influence on marine species~

Coordinator : Hiroshi Kawai / Kobe University Research Center for Inland Seas

13:20~13:50 Monitoring Ecosystem Changes in High Use Coastal Environments

Dr. Thomas Therriault

Research Scientist of Fisheries and Oceans Canada

13:50~14:20 Monitoring biodiversity using environmental DNA

Dr. Toshifumi Minamoto

Kobe University Graduate School of Human Development and Environment

14:20~14:50 Biodiversity in a forest-stream-marine linkage

Dr. Takuya Sato

Kobe University Graduate school of Science

14:50~15:00 Tea Break

Session2 : Goals for rich and healthy oceans/coastal area

~The problem of microplastics and coastal environmental restoration technology~

Coordinator : Hideo Okamura / Kobe University Research Center for Inland Seas

15:00~15:30 Tiny Plastics : An issue solely for our oceans, or ubiquitous environmental pollutants?

Prof. Kevin Thomas

University of Queensland, Brisbane, Australia

15:30~16:00 Nobody knows the Environmental Fate of Plastic Garbage

Dr. Shuhei Tanaka

Kyoto University Graduate School of Global Environmental Studies

16:00~16:30 Environmental Restoration Technologies for Eutrophic or Oligotrophic Seas

Dr. Satoshi Asaoka

Kobe University Research Center for Inland Seas

Panel discussion

16:30~17:00 Coordinator : Hiroshi Kawai & Hideo Okamura

Panelist : Speakers of presentation and graduate student, high school student

Participation application

Please participate in one of the following ways.

① **QR code** : Please access the QR code at right or on the other side , fill out the participation registration form and send it.

② **E-mail** : Please give the following information and send it to address yamamoto@emecs.or.jp

1. Name, 2. Occupation, 3. Affiliation (company name, school name etc.)

4. Contact (your E-mail address)

5. How did you know about this lecture? (leaflet, introduction, etc.)

*If you apply, you will receive a participation certification by e-mail.

*If you don't receive participation certification, please contact the following.



Venue

Walk: About 15 minutes from Rokko station on Hankyu Line or

About 20 minutes from Rokkomichi station on JR Line

Bus: Get on Kobe City Bus No. 36 (for Tsurukabutodanchi) at

Rokkomichi station on JR Line or at Rokko station

on Hankyu Line, and Get off at Bus stop

“Shindaibunrinougakubumae”, and about

5 minutes on foot.

Contact

International EMECS center

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