

Environmental Research Summer School, Noto Peninsula, Japan

Institute of Nature and Environmental Technology,
Kanazawa University

Date: 1-8 July, 2019

Venue: Research sites of the Institute of Nature and Environmental Technology,
Kanazawa University, Japan

Supported by Sakura Science Program “Learning the Integrated Research
Strategy in Satoyama-Satoumi area, Circum-Japan Sea region”



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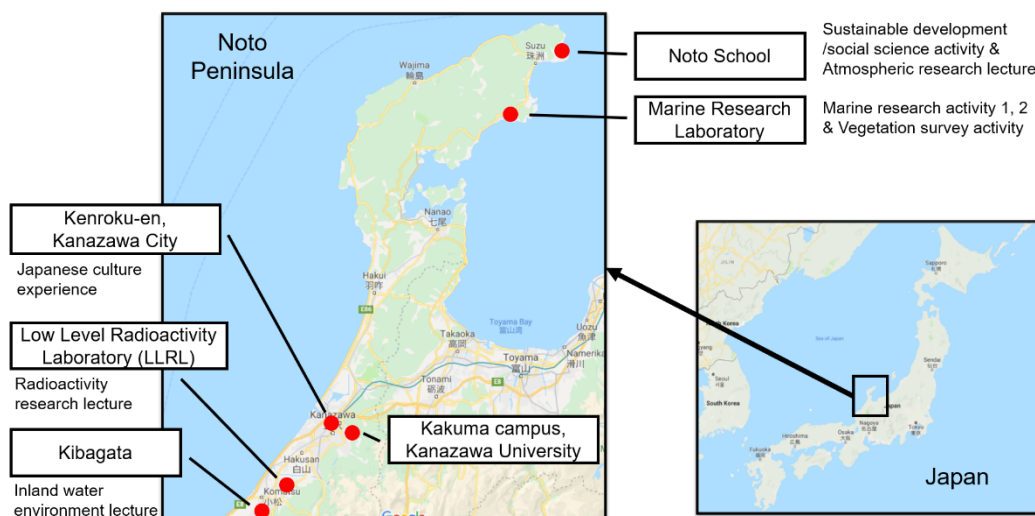
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Outline of summer school schedule

- Day 1 (1st July) Introduction for the summer school
Travel from Kanazawa to the Marine Research Laboratory of INET
Summer school orientation
- Day 2 (2nd July) Marine research activity 1: Physical and chemical oceanography
- Day 3 (3rd July) Marine research activity 2: Marine biology
- Day 4 (4th July) (AM) Sustainable development/social science activity:
Introduction to the Meister program
(PM) Atmospheric research lecture
- Day 5 (5th July) Vegetation survey activity
Return to Kanazawa
- Day 6 (6th July) Japanese culture experience at Kenroku-en
- Day 7 (7th July) (AM) Inland water environment lecture
(PM) Radioactivity research lecture
- Day 8 (8th July) Student presentation
Closing ceremony



Study sites visited during the summer school

Staff : *Kanazawa University*

Professors: Seiya Nagao, Nobuo Suzuki and Noriko Hasebe
Associate Professors: Eiichiro Kinoshita, Atsushi Matsuki, Keisuke Fukushi and Koji Ito
Assistant Professors: Toshio Sekiguchi, Shinya Ochiai, Tetsuya Matsunaka, Kenji Kitamuara and Masato Honda
Lecture: Hisanori Iwai and Daisuke Utsunomiya

National University of Mongolia

Professor: Ochir Altansukh

Yale-NUS College

Assistant Professor: Eunice Jingmei Tan

Schedule

30th/June (Sun)

Arrival at Komatsu airport and dinner. Move to Kanazawa. Our staff will meet you at the airport.

1st /July (Mon)

8:30 Introduction for the summer school at Kanazawa university, Kakuma
9:00 Departure from Kakuma and shopping for our own cooking during the summer school
10:00-11:00 Small Lecture by Dr. Hasebe on geography and geology of Noto peninsula while traveling
12:00-13:00 Lunch Break at Anamizu
14:00 Arrive at the Noto Marine Laboratory
14:30-16:00 Orientation for the Summer school
16:00-17:00 Short presentation for introduction of research by students
18:00-20:00 Welcome party

2nd /July (Tue)

7:30-8:30 Breakfast
9:00-11:30 Lecture for marine observation (observation of physicochemical parameter and water sampling using the research ship)
12:00-13:00 Lunch break
13:00-17:00 Lecture for chemical experiment (measurement of Si and ²²²Rn in seawater, vertical cross-section analysis of physicochemical parameter in seawater)
18:00-19:00 Dinner
20:00-20:30 Small lecture for environmental science by Dr. Tan

3rd /July (Wed)

- 7:30-8:30 Breakfast
- 9:00-12:00 Experiment of the influence of polycyclic aromatic hydrocarbon on sea urchin embryos
- 12:00-13:00 Lunch break
- 13:10 Departure from the Noto Marine Laboratory
- 13:20 Arrive at the Noto Marine Center
- 13:20-15:30 Collection of marine animals (and Sea weed lecture) in the Noto Marine Center
- 15:30 Departure the Noto Marine Center
- 15:40 Arrive at the Noto Marine Laboratory (move the collected animals to an aquarium of Marine Laboratory)
- 16:00-18:00 Classification of the marine animals
- 18:00-19:00 Dinner
- 20:00-20:30 Small lecture for polycyclic aromatic hydrocarbon by Dr. Suzuki

4th /July (Thu)

- 7:00-8:00 Breakfast
- 8:30 Departure from the Noto Marine Laboratory
- 9:15 Arrive at Noto School
- 9:30-10:30 Excursion to Rice paddy field
- 10:45-12:15 Lecture (Noto Satoyama Satoumi SDGs Meister Program)
- 12:30-13:30 Lunch break
- 13:30-14:15 Lecture (Introduction to atmospheric observation: Principles of measurements and operation)
- 14:30-15:30 Tour around the atmospheric monitoring facility (Noto Ground-based Research Observatory: NOTOGRO) in Noto School
- 15:30 Departure from Noto School
- 16:00-16:30 Photo shooting at Mitsukejima island
- 17:00 Arrive at the Noto Marine Laboratory
- 18:00-19:00 Dinner
- 20:00-21:00 Outdoor education: survey creatures of the night around Marine Laboratory

5th /July (Fri)

7:00-8:00	Breakfast
8:00-9:00	Outdoor education: survey of light intensity around Marine Laboratory (day time)
9:30	Departure from the Noto Marine Laboratory
10:00-11:45	Vegetation Survey
11:45	Departure from Noto Vegetation survey field
12:30-13:30	Lunch (Noto Syokusai Ichiba in Nanao City)
15:00	Arrive at Hotel (Kanazawa city, near Kenroku-en)
Afternoon	Dinner at your own choice

6th /July (Sat)

Morning	Breakfast at the hotel
9:30	Meet the hotel and walk to the Kenrokuen garden.
11:00-12:30	Experience traditional artcraft (e.g., gold-leaf craft, Japanese sweet making) at Kenroku-en and around area
12:30	Lunch at your own choice
Afternoon	Free time in the evening, dinner at your own choice.

7th /July (Sun)

Morning	Breakfast at the hotel
8:30	Departure from Hotel
9:30	Arrive at Low Level Radioactivity Laboratory (LLRL)
9:45-10:30	Radioactivity research lecture at LLRL
10:40	Departure from LLRL
11:00-11:50	Inland water environment lecture at Kibagata
11:50	Departure from Kibagata
12:15-13:30	Lunch break
14:00-15:00	Arrive at Ogoya Underground Laboratory (OUL)
15:00	Departure from OUL to hotel
Afternoon	Dinner at your own choice

8th /July (Mon)

Morning	Breakfast at the hotel
8:30	Departure from Hotel
9:00	Arrive at Kanazawa University, Kakuma
9:30-12:00	Student presentation: Summary of research activities by students (group)
12:10-13:30	Lunch Party
14:00-14:30	Courtesy visit with president or director of Kanazawa University
15:00-16:00	Closing ceremony
16:30	Departure from Kakuma campus to Hotel
Afternoon	Dinner at your own choice

9th /July (Tue)

Departure from Kanazawa

(To Singapore) Take the airport bus from Kanazawa Station departing at 13:15 (Mind time may be changed)

(To Mongolia) Take the bullet train (Shinkansen) from Kanazawa Station departing at 8:48.

Management office

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