

8.18 Sun – 8.20 Wed

Field Monitoring
Seminar
FUKUSHIMA 2019

AIM

Resilience of Fukushima from the Nuclear Power Plant accident has thousands of faces. This seminar helps you to get a better grasp of the current situation, by monitoring radiation, seeing things, and feeling something from several destinations in Fukushima.

DESTINATIONS

- August 18
Pre-seminar in Iwaki
- August 19
Fukushima-Daiichi Nuclear
Power Plant (Ichiefu)
Ikoi-no-mura Namie
- August 20
Tomioka Town Reconstruction
Promotion Base
Matsumura Farm



LIST OF PARTICIPANTS

20 STUDENTS

Name	Institute	Major
Mika KANDA	Ochanomizu Univ	Physics Faculty of Science
Shiori MORII	Univ of Tokyo	Earth and Planetary Science Graduate School of Science
Yuta ANDO	Kyoto Univ	Micro Engineering Graduate School of Engineering
Ken TASHIRO	Univ of Fukui	Mechanical and System Engineering School of Engineering
Natsumi DOI	Pref Univ of Hiroshima	Biological System Sciences Graduate School of Comprehensive Scientific Research
Kenji MINAGI		
Hiro TOGARI		
Triyono BASUKI	Hiroshima Univ	Environmental Radioactivity Protection Leading Graduate Program
Wiseman Chisale BEKELESI		
Herry WIJAYANTO		
Yuta MAEDA	Ehime Univ	Materials Science and Biotechnology Graduate School of Science and Engineering
Takumi MIYAMOTO		
Naoki TOITA		
Risa UJIIE	Nagasaki Univ	Life Sciences and Radiation Research Graduate School of Biomedical Sciences
Mari FUKUOKA		
Tasuku SASAKI		
Tadashi SHIMAMOTO		Disaster and Radiation Medical Sciences Graduate School of Biomedical Sciences
Hitomi TAKAHIRA		
Takeharu WATANABE		
Jun-ichi YOSHIDA		



LIST OF PARTICIPANTS

10 FACULTY AND STAFFS

Name	Institute	Department
Prof. Satoru TOMITA	Tokyo Tech	Radiation Research and Management Center
Prof. Yuichi TSUNOYAMA	Kyoto Univ	Radioisotope Research Center
Prof. Tomoyuki IWASAKI	Ehime Univ	Advanced Research Support Center
Prof. Ryuji OKAZAKI	UOEH	Institute of Industrial Ecological Sciences
Prof. Makoto KITA	Tottori Univ	Organization for Research Initiation and Promotion
Prof. Masaaki TATSUKA	Pref Univ of Hiroshima	Department of Life Sciences
Prof. Takashi OKAMOTO	Okayama Univ	Graduate School of Natural Science and Technology
Naoko FUKUDA		
Rika HAYASHIDA	Nagasaki Univ	Atomic Bomb Disease Institute
Prof. Naoki MATSUDA		



INITERARY

Sunday, August 18 Icebreaking pre-seminar

18:30

Assemble at Okaribayaki-wow !
(お狩場焼 和ッ！)

- Briefing, Seminar kit distribution
- Seminar office introduction
- Participants self-introduction
- Seminar schedule confirmation

21:00

Adjourn





INITERARY

Monday, August 19 ICHIEFU seminar

8:00

Assemble at JR Iwaki Station south gate

8:15

Departure (Seminar bus)

9:30

TEPCO Decommissioning Archive Center
(東京電力廃炉資料館)

Briefing

10:50

ICHIEFU (東京電力福島第一原子力発電所) /
Lunch

11:40

Admittance procedure

Monitoring tour

12:55

Withdraw

13:35

TEPCO Decommissioning Archive Center

Open discussion

Lecture by Prof. Ryuji Okazaki



INITERARY

Monday, August 19 NAMIE seminar

15:00

Departure
TEPCO Decommissioning Archive Center

15:30

Ikoi-no-mura Namie (いこいの村 なみえ)

16:00

Research presentations by

- Dr. Tomoyuki Iwasaki
- Triyono Basuki
- Risa Ujiie

18:00

Dinner

19:30

Lecture by Dr. Yuichi Tsunoyama (Kyoto Univ)

20:00

Free time



LODGING ASSIGNMENTS

Monday, August 19 Ikoi-no-mura NAMIE

A-1

Maeda
Miyamoto
Toita

A-2

Ando
Minagi
Tashiro
Togari

A-3

Basuki
Bekelesi
Wijayanto

A-4

Sasaki
Shimamoto
Watanabe
Yoshida

B-2

Kanda
Morii
Sasaki

B-3

Fukuoka
Takahira
Ujiie

C-1

Matsuda
Okazaki
Tatsuka

C-2

Iwasaki
Kita
Tsunoyama

C-3

Okamoto
Tomita

C-4

Fukuda
Hayashida



INITERARY

Tuesday, August 20 TOMIOKA seminar

7:30

Breakfast
Field monitoring

9:00

Departure

9:30

Manabi-no-mori
(富岡町文化交流センター 学びの森)

- Lecture by Dr. Yasuyuki Taira
(Nagasaki Univ Tomioka town reconstruction promotion base)
- Radioactivity monitoring station for food
- Car-borne survey / Field monitoring

11:45

Lunch at Okuma shokudo (大熊食堂)

13:30

Formar site of Watanabe-Koujiten
(渡辺糰店 跡地)

14:00

Matsumura Farm (松村牧場)

15:30

Departure

17:00

JR Iwaki Station
Adjourn



GROUP ASSIGNMENTS

Tuesday, August 20 TOMIOKA seminar

1-A

Kanda
Morii
Doi

1-B

Ando
Tashiro
Tsunoyama

2-A

Togari
Minagi
Tatsuka

2-B

Basuki
Bekelesi
Wijayanto

3-A

Miyamoto
Toita
Maeda

3-B

Yoshida
Shimamoto
Watanabe

4-A

Ujiie
Takahira
Fukuoka

4-B

Sakasi
Okazaki
Matsuda

5-A

Tomita
Iwasaki
Okamoto

5-B

Kita
Fukuda
Hayashida



Environmental Contamination by FDNPP accident

福島原発事故による環境汚染

Ryuji Okazaki / 岡崎 龍史

Introduction of my activities and simple educational materials

活動紹介と簡単に使える教育教材の提案

Tomoyuki Iwasaki / 岩崎 智之

Catchment scale Radiation monitoring in Fukushima area following the Fukushima Daichi Nuclear Power Plant accident

Triyono Basuki

Biodosimetry applications for wide dose range by premature condensation chromosome assay and FISH method

未成熟(早期)染色体凝縮法とFISH法を併用した二動原体染色体線量推定法の検討

Risa Ujiie / 氏家 里紗

What we learned from a house in Tomioka

富岡町のあるお宅を見つめ続けて

Yuichi Tsunoyama / 角山 雄一

Activities by Nagasaki University Tomioka Town Reconstruction Promotion Base

長崎大学富岡町復興推進拠点の取り組み

Yasuyuki Taira / 平良 文亨



VENUE



TEPCO Decommissioning Archive Center

東京電力廃炉資料館

イチエフセミナー

福島県双葉郡富岡町大字小浜字中央378

http://www.tepco.co.jp/fukushima_hq/decommissioning_ac/



TEPCO Fukushima Daiichi Nuclear Power Plant

東京電力福島第一原子力発電所

イチエフセミナー

福島県双葉郡大熊町大字夫沢字北原22

<http://www.tepco.co.jp/decommission/progress/about/index-j.html>



Iko-no-mura Namie

いこいの村なみえ

ナミエセミナー

福島県双葉郡浪江町大字高瀬丈六10

<https://www.iko-namie.com>



Tomioka Town Art & Media Center

富岡町文化交流センター

Manabi-no-mori

学びの森

トミオカセミナー

福島県双葉郡富岡町大字本岡字王塚622-1 富岡町役場内

<https://www.tomioka-town.jp/index.html>



Matsumura Farm

松村牧場

トミオカセミナー

福島県双葉郡富岡町大字上郡山字岩井戸64

<http://ganbarufukushima.blog.fc2.com/blog-entry-50.html>

<https://blog.goo.ne.jp/tokigootokiboo>



RADIATION MONITORING DEVICES

For Environmental Dose



NaI(Tl) scintillation survey meter

Hitachi TCS-172B



Semi-conductor survey meter

Hitachi PDR303



Semi-conductor/ Cs(Tl) scintillation dual survey meter

Fuji Electric PEGASUS PRO NHL4

Gamma-energy spectrometry available



NaI(Tl) scintillation survey meter

Thermo Fisher RadEye PRD-ERJ



Semi-conductor/ Cs(Tl) scintillation dual detector

Niki Glass iMetry

Gamma-energy spectrometry available



RADIATION MONITORING DEVICES

For Personal Dose

Semi-conductor personal dosimeter



Chiyoda Technol PDM-127B-SZ

Semi-conductor personal dosimeter



Chiyoda Technol D-Shuttle



SEMINAR KIT

Item	Contents
Seminar booklet	This book
Handout	Handout of lecture/presentations
Tour map	Moving route of ICHIEFU monitoring tour



SEMINAR OFFICE LACAL ARRANGEMENTS



Lab party

Department of Radiation Biology and Protection Atomic Bomb Disease Institute, Nagasaki University

Professor Naoki Matsuda nuric@nagasaki-u.ac.jp
 Secretary Rika Hayashida r-haya@nagasaki-u.ac.jp

1-12-4 Sakamoto, Nagasaki, Nagasaki 852-8523
<https://www-sdc.med.nagasaki-u.ac.jp/nuric/ricnew/index.html>

Tomioka Town Reconstruction Promotion Base Nagasaki University

Assistant Professor Yasuyuki Taira
 Assistant Professor Yumiko Yamada
 Assistant Professor Makiko Orita

622-1 Otsuka, Oaza-Motooka, Tomioka town, Futaba-gun, Fukushima
 979-1151
<https://www.tomioka-town.jp/index.html>



Dr. Makiko Orita

Name

Institute