

Second Circular

The 3rd Aquaphotomics International Symposium

Exploring Water Molecular Systems in Nature

December 2 – 6, 2018

Awaji Yumebutai International
Conference Center (Reception Hall B)

1 Yumebutai
Awaji, Hyogo, Japan

<http://conference.aquaphotomics.com>



Aquaphotomics

On Behalf of the Organizing Committee of the 3rd Aquaphotomics International Symposium

WELCOME TO AQUAPHOTOMICS

The importance of water in biological systems has not been well explored and recognized. In recent years, along with the advancement of computer science, data analysis and new measurement technologies, water has been studied by scientists and researchers in a wide variety of disciplines. This new trend deserves special attention and effort to bring new findings and discoveries about water to a wider audience.

Aquaphotomics is a new “-omics” discipline advocated by Professor Tsenkova from the Biomeasurement Technology Laboratory at the Faculty of Agriculture in Kobe University, Japan. The main objective of this new field is to understand the role of the water molecular system by monitoring water spectrum of bio- and aqueous systems under various perturbations. Aquaphotomics presents water spectrum as a holistic bio marker, which works as molecular mirror, epitomizing the respective system.

In October 2014, we organized the 1st International Symposium on Aquaphotomics as a part of Kobe University Symposium held at its European Office in Brussels, Belgium. Scientists from 11 countries, mainly in Europe, came with talks and posters. Since then, a 5-year EU project which includes Aquaphotomics was started at UC Dublin. On November 26 – 29 2016, the 2nd International Symposium was held at Kobe University in Japan. Researchers from around the world participated in the event

and presented their research studies on Aquaphotomics. Workshops were organized to introduce new analysis techniques and open lectures were held to promote the importance of water science. This year, the 3rd Aquaphotomics International Symposium will be held on December 2 – 6 in the Awaji Yumebutai International Conference Center in Awaji, Japan. In the world of inter-disciplinary science and technology, understanding the role of water and how it works is of crucial importance. This will pave a new path for hardware and software development of new water measurement devices. New industry of big data management and analysis of spectral data coming out of in-vivo bio monitoring will be seen in food quality evaluation and biotechnology. New methods and instruments measuring changes in water structure directly related to disease diagnosis, understanding and prevention will lead to discoveries of new phenomena.

Thanks to the support of all the co-organizers of the Symposium, we have the ambition to establish a network of scientists from different disciplines learning about the water molecular matrix and its direct relation to system functionality, for the benefit of society.

We look forward to welcoming you all in the beautiful city of Awaji.

Chairperson
Roumiana Tsenkova



Aquaphotomics



(credit: <https://travel.rakuten.co.jp/HOTEL/8068/8068.html>)

Date

December 2 – 6, 2018

Venue

Awaji Yumebutai International Conference Center
Awaji, Hyogo, Japan

Organizer

The 3rd Aquaphotomics International Symposium Organizing Committee
Biomeasurement Technology Laboratory, Faculty of Agriculture, Kobe University

Partnership

The Spectroscopy Society of Japan
The Japanese Society of Agriculture Machinery and Food Engineering
The Society of Agriculture Structures, Japan

Core Members

Honorable Chair : Mutsuo IWAMOTO (Kagoshima-Osumi Food Technology Development Center)
Chair : Roumiana TSENKOVA (Kobe University)
Vice Chair : Yukihiro OZAKI (Kwansei Gakuin University)
Vice Chair : Masato YASUI (Keio University)
Vice Chair : Yuichi OGAWA (Kyoto University)
Treasurer : Shigeaki MORITA (Osaka Electro-Communication University)

Study Tour

Dec 5 (Wed): Leave Awaji Yumebutai Center → Spa Yunosato (dinner included)
Dec 6 (Thurs): Mount Koya tour (breakfast/lunch included) → Dismiss

Open Lecture

December 2, 13:00 – 14:30 (Free Admission)

We welcome everyone who wants to learn about Aquaphotomics.

Symposium Program

- Speakers and presentation titles will be announced later.
- Oral and poster presentations will be accepted. (See abstract template below).

	12/2 (Sun)	12/3 (Mon)	12/4 (Tue)	12/5 (Wed)	12/6 (Thurs)
8:30		8:30 - 18:00 Registration	8:30 - 18:00 Registration		
9:00		9:00 - 10:30 Presentations Basic science 1	9:00 - 10:30 Presentations Basic science 3	9:00 - 10:30 Presentations Basic science 5	Study Tour
10:00		10:30 - 11:00 Coffee Break	10:30 - 11:00 Coffee Break	10:30 - 11:00 Coffee Break	Mount Koya Tour
11:00		11:00 - 12:30 Presentations Basic science 2 <u>Reception Hall B</u>	11:00 - 12:30 Presentations Basic science 4 <u>Reception Hall B</u>	11:00 - 12:00 Applications 5 12:00 - 12:30 Closing session <u>Reception Hall B</u>	<u>Wakayama</u>
12:00	12:00 - 18:00 Registration	12:30 - 14:00 Posters Lunch	12:30 - 14:00 Posters Lunch	12:30 To Wakayama (Shuttle bus, Lunch)	
13:00	13:00 - 14:30 Workshop 1 Aquaphotomics Introduction Course R. Tsenkova <u>Room 301</u>	<u>Lobby</u>	<u>Lobby</u>		
14:00	14:30 - 16:00 Workshop 2 Aquaphotomics Data Analysis <u>Room 301</u>	14:00 - 16:30 Presentations Applications 1 16:30 - 17:00 Coffee Break	14:00 - 16:30 Presentations Applications 3 16:30 - 17:00 Coffee Break		Dismiss
15:00		16:30 - 17:00 Coffee Break	16:30 - 17:00 Coffee Break		
16:00	16:00 - 16:30 Coffee Break	17:00 - 18:00 Applications 2 <u>Reception Hall B</u>	17:00 - 18:00 Applications 4 <u>Reception Hall B</u>	Study Tour	
17:00	16:30 - 18:30 Workshop 3 Aquaphotomics Data Analysis <u>Room 301</u>	<u>Reception Hall B</u>	<u>Reception Hall B</u>	Hot Spring <u>Wakayama</u>	
18:00		18:00 - 18:30 Plenary Session			
19:00	19:00 Welcome Reception		19:00 Banquet		

Registration

	Early Bird*	Full	Onsite
Student	¥9,000 JPY	¥12,000 JPY	¥12,000 JPY
Regular	¥28,000 JPY	¥32,000 JPY	¥32,000 JPY

***Early bird rates: before October 15, 2018 (extended)**

Registration fee includes admission to all Aquaphotomics workshops and Welcome Reception.

Banquet ¥8,000 JPY



(credit: www.westin-awaji.com)

Study Tour ¥12,000 JPY



(credit: wikipedia.org)

Payment Instructions

□ For Residents of Japan

Early bird rates: Pay before October 15, 2018 (extended).

Please use wire transfer (T/T).

For more information, please refer to the “How to Register” section in the next page.

□ For Residents outside Japan

Early bird rates: Register before October 15, 2018 (extended).

Please visit our Information Desk when you arrive at the symposium and make your payment.

For more information, please refer to the “How to Register” section in the next page.

How to Register

- 1) Please download the “Registration form” at the symposium website (<http://conference.aquaphotomics.com/register>).
- 2) Fill in the required information in the registration form.
- 3) Submit the registration form to the website with your name and email address.
- 4) Our staff will contact you within a few business days. You will receive a PDF file of the **confirmed registration form** with your confirmation number and the total payment amount by e-mail.



For Residents of Japan

Please wire transfer the total amount to the symposium’s bank account.

1. Please put your name and confirmation number in the wire transfer form.
Ex.: “John Doe 0001”
2. Account Information
Account name: AQUAPHOTOMICS
Branch name: Sumitomo Mitsui Bank, Rokko Branch
Branch number: 421
Account number: 4519073
3. Please send a scanned copy of the receipt by e-mail to (conference@aquaphotomics.com) after making the payment.
4. If you need an official receipt from the symposium, please let us know in the email.

* Please **make payment** before **October 15, 2018** for early bird rates.

For Residents outside Japan

Please visit our Information Desk when you arrive at the symposium and make your payment.

- * Please print out the confirmed registration form and bring it with you.
- * Please have exact fee ready in Japanese yen.
- * Please **register** before **October 15, 2018** for early bird rates.

Other Information

□ Accommodations

Westin Awaji Island Hotel provides the following special rates for the symposium attendees and accompany persons.

More info: <http://www.westin-awaji.com/en/>

Reservations

Please fill in the room type and check-in/out dates in the registration form.

Note: The rates are only available if you reserve using the registration form.

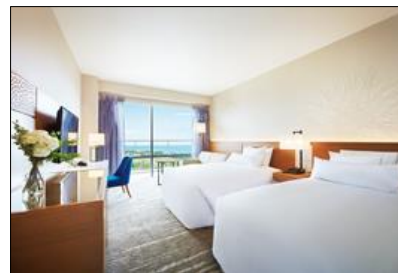
Rates (Breakfast included)

Single ¥12,420 JPY

Twin ¥8,100 JPY

Triple ¥6,600 JPY

The listed prices are per person per night.



(credit: www.westin-awaji.com)



(credit: www.westin-awaji.com)

□ Study Tour (December 5 – 6)

Mount Koya tour

Fee ¥12,000 JPY

Accommodations (3 meals included)

- Inn Konono
- 895 Konono, Hashimoto, Wakayama



(credit: commons.wikimedia.org)

□ Cancellation Policy

➤ Registration Fee

- Cancel before November 18: Full refund
- Cancel before or on November 25: 50% refund
- Cancel on or after November 26: Non-refundable

➤ Banquet & Study Tour

- Cancel before or on November 28: Full refund
- Cancel on or after November 29: Non-refundable

➤ Westin Awaji Island Hotel

- Cancel 1 day before check-in day (before 9am): Full refund
- Cancel 1 day before check-in day (after 9am): 20% refund
- Cancel on check-in day or without notice: Non-refundable



(credit: www.wakayama-kanko.or.jp)

Abstract

- Abstracts should be prepared following the sample abstract below.
- Please submit the abstract as an attachment to conference@aquaphotomics.com no later than **October 22, 2018 (extended)**.
- Please indicate whether you prefer an oral or a poster presentation.
- All abstracts will be reviewed by the scientific committee. Accepted papers will be sorted between oral and poster presentation and assigned a schedule within the program.
- Applicants will be notified of the results in **Early November, 2018**.
- Abstracts will be uploaded to the conference website during the symposium.

SAMPLE*

English Title (Times New Roman 12pt Bold)

Authors names (Times New Roman 10pt)

Affiliation of the authors and contact e-mail address of the corresponding author (Times New Roman 10 pt. Italic)

Summary: This document shows a sample abstract format. An English abstract is required. Abstract should be within two pages on an A4 sheet including figures, tables and references. Line spacing is fixed at 14 pt. Font should be Times New Roman 10 pt. Please set top and bottom margin at 2 cm, and right and left margin at 2.5 cm. Abstracts will be only accepted in PDF format, please convert MS-word or any other file format to PDF before submitting the abstract

Introduction: The letter font for the body of the Abstract also should be Times New Roman, 10pt.

Methods: Please write your Abstract with a free headline followed by i.e. Results, Discussion, Conclusion. The composition of headlines is free.

Results and Discussion: Please prepare Figures and Tables following the references shown below. Table 1. Table font size should be 9 pt.

<u>X</u>	<u>Y</u>	<u>Z</u>
<u>1</u>	<u>2</u>	<u>3</u>
<u>0.1</u>	<u>0.2</u>	<u>0.3</u>

Figures should be black and white

Figure 1. Figure font size should be 9pt