



Takayama Shimin Bunka Kaikan



# 2<sup>nd</sup> International Workshop On Plasma Agriculture (IWOPA-2)

<http://www.iwopa2.org/>

**March 9 -11 2018** (After ISPlasma2018)

Venue: **Takayama Shimin Bunka Kaikan, Takayama, Gifu, Japan**  
(Takayama Civic Cultural Hall)



Banquet Place :The Matsuri no Mori festival museum



Excursion: Shirakawa-go (World Heritage)



Control  
(No treatment)



Treatment using  
plasma-treated water



Control



Plasma  
treatment

## Registration

Advanced Online Registration is required.

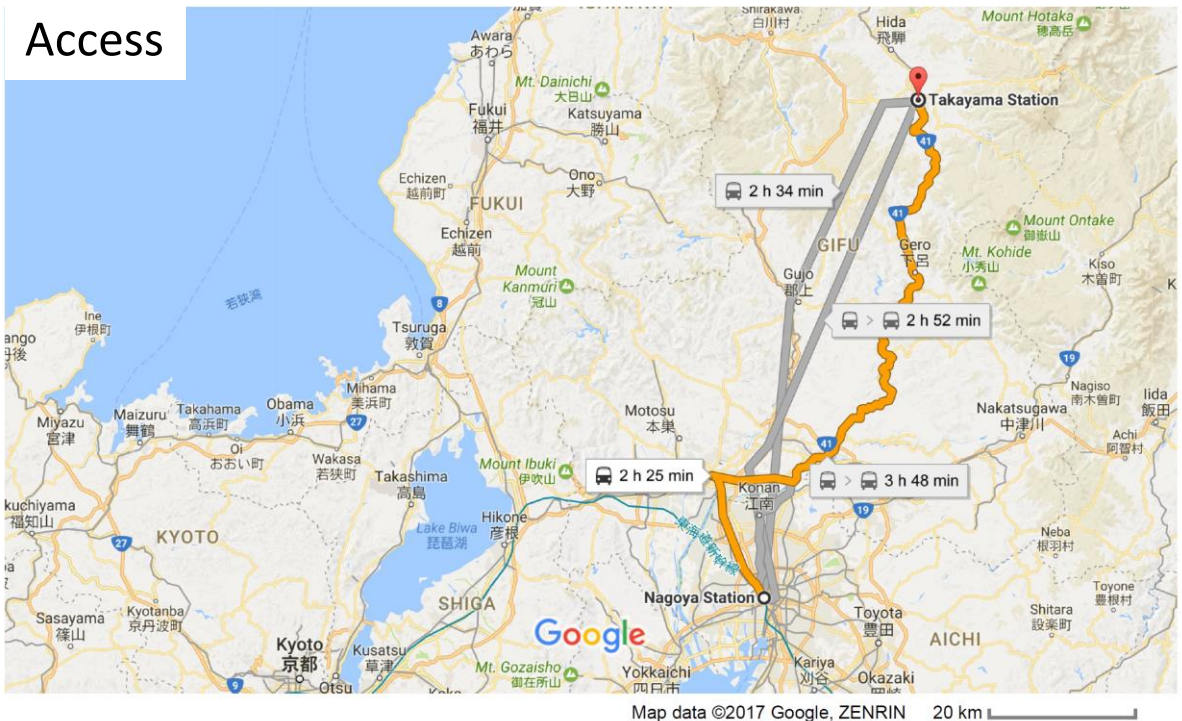
Registration Fee: Early Registration(Until Dec 31, 2017)

On-site Registration

General	Student
JPY40,000	JPY20,000
JPY45,000	JPY25,000

Fees will be open at the website; <http://www.iwopa2.org/>

## Access



Meitetsu Airport Line Central Japan International Airport Station

↓ 29 min by Rapid train

Meitetsu Airport Line Nagoya Station

JR Line Nagoya Station

140 min/ 5,500yen  
by JR West, The Ltd. Express Hida

JR Line Takayama Station

11 min on foot

JR Expressway Bus Nagoya Station

150 min / 2,980yen(Reservation required)  
by Nohi Bus Takayama-Nagoya Line

Takayama Bus Center

10 min on foot

Takayama Shimin Bunka Kaikan (Venue)

Takayama City Information: <http://www.hida.jp/english/>

JR West Information: <http://www.westjr.co.jp/global/en/>

Nohi bus Information :<https://www.nouhibus.co.jp/english/highwaybus/>

## IWOPA-2 Contact:

Chair of Executive Committee

Prof. Takayuki Ohta, Meijo University, Japan

E-mail: [IWOPA2nd@gmail.com](mailto:IWOPA2nd@gmail.com)

International Workshop on Plasma Agriculture (IWPOA) is a specialized international workshop to discuss latest researches mainly in the fields of agricultural applications of plasmas and its related science and technologies. 1<sup>st</sup> IWOPA was held at AJ Drexel Plasma Institute, Drexel University, USA on May 15-20 in 2016, and the presented results were published as a special issue of Plasma Medicine (Vol. 6 Issue 3-4) in June 2017.

2<sup>nd</sup> IWOPA will be held at Takayama civic cultural hall, Takayama, Gifu, Japan on March 9-11 in 2018.

## ● Related Fields

1. Decontamination of seeds while in storage;
2. Enhancement of seed germination and/or plant growth;
3. Capture of atmospheric nitrogen in water to be used as fertilizer;
4. Reduction of pathogen invasion of soils and/or liquids;
5. Air cleaning, sterilization, and removal of volatile organic compounds;
6. Treatment, sterilization, and cleaning of water used for washing products;
7. Disinfection of products before packaging;
8. Air cleaning, sterilization, and removal of volatile organic compounds in the package;
9. Control of pests and pathogens at the in-store display case and in-store storage;
10. Removal of ethylene from air to reduce rate of aging;
11. Sterilization of cutting boards, knives, and other food processing equipment;
12. Plasma-assisted destruction of hazardous waste;
13. Plasma-assisted waste-to-energy conversion;
14. Fishery applications;
15. Environmental applications;
16. Related Science and Technologies;
17. Others

## ● Abstract Submission

Online abstract submission (one-page English) will be available from <http://www.iwopa2.org/>

**Submission Deadline: December 31, 2017 JST**

## International Organizing Committee

Alexander Fridman (Drexel University, U.S.A.)  
Gregory Fridman (Drexel University, U.S.A.)  
Klaus-Dieter Weltmann (INP Greifswald e.V., GERMANY)  
Suk Jae Yoo (National Fusion Research Institute, KOREA)  
Eun Ha Choi (Kwangwoon University, KOREA)  
Masaru Hori (Nagoya University, JAPAN)  
Masaharu Shiratani (Kyushu University, JAPAN)  
Satoshi Hamaguchi (Osaka University, JAPAN)  
Masafumi Ito (Meijo University, JAPAN)

## Local Organizing Committee

Chair: Masafumi Ito (Meijo University, JAPAN)  
Toshiro Kaneko (Tohoku University, JAPAN)  
Koichi Takaki (Iwate University, JAPAN)  
Takayuki Ohta (Meijo University, JAPAN)

## Program Committee

Chair: Masafumi Ito  
International and Local Organizing Committee members

## Executive Committee

Chair: Takayuki Ohta (Meijo University, JAPAN)  
Kenji Ishikawa (Nagoya University, JAPAN)  
Mineo Hiramatsu (Meijo University, JAPAN)  
Keigo Takeda (Meijo University, JAPAN)  
Hiroshi Hashizume (Nagoya University, JAPAN)  
Takayoshi Tsutsumi (Nagoya University, JAPAN)  
+ Local Organizing Committee members