

2nd Call for Papers

SeTBio '13



The 1st International Conference on
Sensing Technologies for Biomaterial,
Food and Agriculture 2013

Co-located with Optics & Photonics International Congress 2013

<http://spie.org/x88860.xml>

*Sponsored by
SPIE and JSAM*

*Organized by
Laboratory of Bio-Sensing Engineering, Kyoto University*

April 23 (Tue.) – 25 (Thu.), 2013
Pacifico Yokohama
Yokohama, Japan

Paper Deadline: ~~Dec. 20 (Tue.) 2012~~

Jan. 31 (Thu.) 2013

OBJECTIVE

Light is an essential component for bio-production in agriculture, livestock farming, and aquaculture especially for enhancing productivity and qualities of agricultural products. Recently, various lights (red, green, and blue) are used in plant productions, while many kinds of lights from X-ray to THz waves are tried to use in inspection systems of agricultural products. In addition, some of lights with specific properties play important roles in bio-sensors for bio-materials.

The 1st International Conference on Sensing Technologies for Bio-material, Food, and Agriculture 2013 (SeTBio'13) is being organized to share information on usage of various lights for plant factories and environmental control, for precision agriculture, and for bio-sensing. The conference will be held at Pacifico Yokohama, Yokohama, Japan, on April 23- 25, 2013 with the sponsorship of the SPIE (International society advancing and interdisciplinary approach to the science and application of light) with several academic societies and associations. The SeTBio'13 is intended to provide a central forum for the update and review of scientific and technical information on bio-materials, food, and agriculture covering a wide range of fields from fundamental research to systems and applications.

SCOPE

The 1st International Conference on Sensing Technologies for Biomaterial, Food and Agriculture 2013 covers the light application technology for bio-production in the following major topical fields;

A. Light and plant factory

Lighting material and device, Fluorescent material, LED, Laser, Photosynthesis, Environmental control, Solar energy

B. Light and precision agriculture

Remote sensing, Sensing in open field, Automation and robotics, Machine vision, Positioning sensor, Soil sensor

C. Light and bio-sensing

Bio-sensor, Spectroscopic system, Optical device, Laser application, Optical CT, Fluorescent material, Inspection for food safety and quality, Bio-instrumentation for livestock and Aquaculture

SUBMISSION OF PAPERS

Original papers that have not been previously presented and that describe new technical contributions to the areas covered by the technical descriptions in the aforementioned scope will be accepted for presentation.

A detailed instruction will be available from the following Web site:

<http://opicon.jp>

Abstract should be submitted electronically, **no later than Dec.20, 2012 Jan.31, 2013**. Authors will be requested to submit 2-page paper written in English, including text, figures, tables, and references within a frame of 17 cm x 24 cm. **This paper template will be available through above OPIC web site.**

After the reviewing process is completed, the author will be requested to submit a final paper with 3-page or more than 3-page manuscript from SPIE office for uploading to SPIE Digital Library (<http://spiedigitallibrary.org/>) as the proceedings of SeTBio '13.

The guidelines for paper formatting provided at the template file attached to e-mail from SPIE office ought to be used for your final paper. The preferred submission format is the same as the camera-ready format. Please check and carefully follow the instructions and templates provided.

NOTE: Please note that the template of the final paper differs from 2-page abstract.

IMPORTANT DATES

Deadline of 2-page abstract submission: ~~December 20, 2012~~
January 31, 2013

Acceptance Letter to Authors: ~~February 1, 2013~~
March 1, 2013

Deadline of final paper submission: ~~March 22, 2013~~
April 20, 2013

Deadline of early registration: **March 22, 2013**

OFFICIAL LANGUAGE

The official language of SeTBio '13 is English.

KEYNOTE PRESENTATIONS

*Some speakers are under negotiation. The keynote speaker list will be updated in the conference website.

REGISTRATION

Registration Fees (Membership)

	Before/On Mar. 22, 2013	After Mar. 23, 2013
Conference (General)	¥35, 000	¥40, 000
(Student, Retiree)	¥15, 000	¥20, 000

Registration Fees (Nonmember)

	Before/On Mar. 22, 2013	After Mar. 23, 2013
Conference (General)	¥40, 000	¥45, 000
(Student, Retiree)	¥18, 000	¥23, 000

OPTICS & PHOTONICS International Congress 2013 (OPIC 2013)

The ten international conferences held simultaneously.

By registering for this conference, you can participate in all international conferences.

(Include the planned)

- The 2nd Advanced Lasers and Photon Sources Conference (ALPS'13)
- Laser Display Conference'13 (LDC'13)
- Conference on Laser Surgery and Medicine 2013 (CLSM2013)
- International Conference on High-Energy Density Science 2013 (HEDS 2013)
- Conference on Laser and accelerator neutron sources and applications 2013 (LANSA'13)
- International Symposium on Laser Processing for CFRP and Composite Materials 2013 (LPCC2013)
- Conference on Laser Application to Nuclear Engineering '13 (LANE'13)
- The 1st. Laser Ignition Conference 2013 (LIC'13)
- Conference on LED and its industrial application'13 (LEDIA'13)
- The 1st International Conference on Sensing Technologies for Biomaterial, Food and Agriculture 2013 (SeTBio'13)

OPIC2013 Web site <http://opicon.jp>

EXHIBITION

OPTICS & PHOTONICS International 2013 Exhibition will be held simultaneously on April 24 (Wed) - 26 (Fri) at Pacifico Yokohama.

FURTHER INFORMATION

The latest information on the conference will be presented on the Web site:

<http://opicon.jp>

CONTACT (Secretary)

Graduate School of Agriculture, Kyoto University
Sakyo-ku, Kyoto 606-8502, Japan

Tel: +81-75-753-6319
Fax: +81-75-753-6171
E-mail: setbio@kais.kyoto-u.ac.jp

SeTBio '13 COMMITTEE MEMBERS

CONFERENCE CHAIR

Naoshi Kondo (Kyoto University, Japan)

PROGRAM COMMITTEE

Chair

Yuichi Ogawa (Kyoto University, Japan)

Vice Chairs

Seiichi Oshita (University of Tokyo, Japan)
Sakae Shibusawa (Tokyo University of Agriculture and
Technology, Japan)
Hiroshi Shimizu (Kyoto University, Japan)
Michihisa Iida (Kyoto University, Japan)
Kazuhisa Yamamoto (Osaka University, Japan)
Hiroshi Tsuchiya (Hamamatsu photonics K. K., Japan)

Members

Hermann Auernhammer (Technical University of Munich,
Germany)
Simon Blackmore (Harper Adams University, UK)
Kuanglin Chao (USDA, USA)
Suming Chen (Taiwan National University, Taiwan)
Jong Hoon Chung (Seoul National University, Korea)
Han Donghai (China Agriculture University, China)
Reza Ehsani (Univ. of Florida, USA)
István Farkas (Szent István University, Hungary)
Heon Hwang (Sung Kyun Kwan University, Korea)
Shuso Kawamura (Hokkaido University, Japan)
Moon Kim (USDA, USA)
Rika Kudo (Shikoku Research Institute Inc. ,
Japan)
Daniel Lee (University of Florida, USA)
Kangjin Lee (National Academy of Agriculture
Science, Korea)
Peter Ling (Ohio State University, USA)
Renfu Lu (USDA, USA)
Shigeo Maeda (IDEC, Japan)
Ryohei Masuda (Kyoto University, Japan)
Francisco Rovira Más (Polytechnic University of
Valencia, Spain)
Li Minzan (China Agriculture University, China)
Juro Miyasaka (Kyoto University, Japan)
Yoshinari Morio (Mie University, Japan)

Hiroshi Nakashima	(Kyoto University, Japan)
Katsuaki Ohdoi	(Kyoto University, Japan)
Bosoon Park	(USDA, USA)
Yankun Peng	(China Agriculture University, China)
Francis Pierce	(Washington State University, USA)
Hadi K. Purwadaria	(Bogor Agriculture University, Indonesia)
Nick Sigrimis	(Agricultural University of Athens, Greece)
Masahiko Suguri	(Kyoto University, Japan)
John Schueller	(University of Florida, USA)
Yang Tao	(University of Maryland, USA)
K.C. Ting	(University of Illinois, USA)
Masami Ueno	(University of the Ryukyus, Japan)
E. J. Van Henten	(Wageningen University, The Netherlands)
Gerrit Van Straten	(Wageningen University, The Netherlands)
Marc Vanacht	(AG Business, USA)
Yibin Ying	(Zhejiang University, China)
Qin Zhang	(Washington State University, USA)

SECRETARIAT

Tomoo Shiigi	(Kyoto University, Japan)
Tetsuhito Suzuki	(Kyoto University, Japan)

LOCATION OF CONFERENCE SITE

The SeTBio'13 takes place at Pacifico Yokohama, Yokohama city, Kanagawa prefecture, JAPAN. Yokohama city, the center of Kanagawa prefecture is located south of Tokyo. Pacifico Yokohama is conveniently located about 40 min. by Limousine Bus from Haneda Airport and 90 min. from Narita Airport.

Pacifico Yokohama

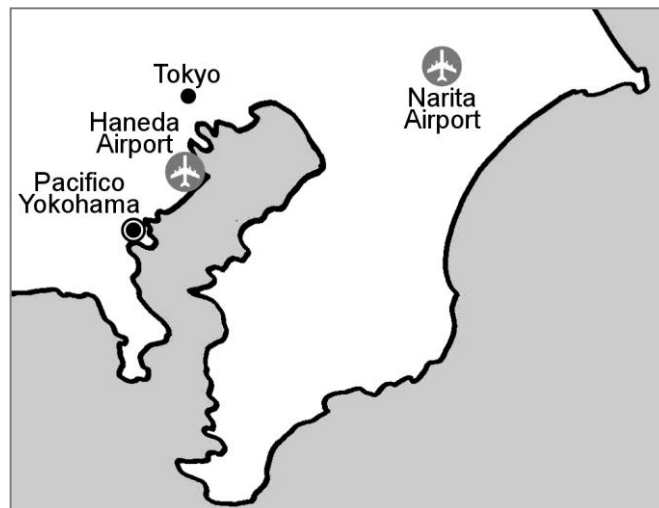
1-1-1 Minato Mirai, Nishi-ku, Yokohama 220-0012, Japan

<http://www.pacifico.co.jp/english/index.html>

Transportation Guide: TEL +81-45-221-2166

Information: TEL +81-45-221-2155

FAX +81-45-221-2136



Sponsored by

- SPIE - The International Society for Optics and Photonics
- JSAM - Japanese Society of Agricultural machinery

In cooperation with (Tentative)

- Asian Agricultural and biological Engineering Association
- Japanese Society of Agricultural, Biological and Environmental Engineers and Scientist
- The Society of Agricultural Structures, Japan
- Japanese Society of Agricultural Informatics

(*Some other societies and associations are under negotiation.)