



## Information

**Some students who presented excellent papers will be awarded during IWPPi2018.**

**Looking for sponsors for coffee served during IWPPi2018.**

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Oct 01, 2018

**Calling for Post Deadline Papers**

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## Important Dates

**Post Deadline Papers Due Date**  
October 10 2018

**Notification of Acceptance**  
August 31 2018

**Exhibition Application Due Date**  
August 31 2018

**Abstract Submission Due Date**  
~~July 31 2018~~ **Extended! Aug. 17**

## Scope

It is our great pleasure to announce that the International Workshop on Photonics Polymer for Innovation (IWPPi2018) will take place during October 15th – 18th, 2018 in Suwa, Nagano, Japan. With the IWPPi theme "Photonics Polymers Create New Systems", we will focus on the most advanced leading edge research in the field of photonics polymers for a number of applications such as ultra-high-speed optical communication, optical waveguide, high-resolution displays, optical switching and other related areas. A number of prominent researchers from academia and industry executives from all over the world will present their latest findings to share their insights and discuss future R&D for new innovation. We invite you to join us and find new business opportunities and innovations born from novel materials.

Suwa City, known as an integrated area for precision industry, where "[Suwa Area Industrial Messe](#)" has been successfully held since 2002. On Oct. 18th, the first day of the Messe, IWPPi2018 is privileged to organize a joint event with Suwa Area Industrial Messe. We will invite the state-of-the-art speakers who play an active part at the forefront of the world.

We are very much looking forward to your participation at IWPPi2018.

Honorable Chair    Seizo Miyata  
Co-Chair            Toyohiko Yatagai  
Co-Chair            Yasuhiro Koike

## Topics

IWPPi will provide the attractive fields to exchange the latest advances and ideas in photonics polymers and also provide scientific interaction and collaboration to create innovative progresses in our life. Topics to be covered in the workshop include, but are not restricted to:

### A. Fiber, Waveguide, and Optical Interconnects

Chip/Board/System-level optical interconnects  
Active optical cables, etc.

### B. Displays

LCD,  
Laser/LED/EL displays,  
3D displays, Projection displays,  
Wearable displays, etc.

### C. Optical Imaging and Sensing

Optics for image recognition,  
Sensors and sensing systems,  
Security systems,  
Optical computing,  
Bio- and medical sensing,  
Tomography, etc.

### D. Optical Equipment

Optical storages,  
Laser and LED printers,  
Advanced cameras,  
Advanced optical microscopes, etc.

### E. New Applications

Green photonics,  
Environmental and energy optics,  
Bio- and medical optics, Nano-photonics,  
systems,  
Agricultural and fishery optics, etc.

## Contact

**Secretariat of IWPPi**  
E-mail : iwppi@kpri.keio.ac.jp

**IWPPi2016 Report**



## Paper Submission

[Home](#) > [Paper Submission](#)

### Submission of Post Deadline Papers

Original papers that have not been previously presented and that describe new technical contributions to the areas covered by the technical descriptions in Topics of IWPPI2018 will be accepted for presentation at poster session. Latest significant results obtained after the regular deadline are most welcome.

Papers should be submitted electronically no later than noon on October 10 (Wed.), 2018, Japan Standard Time. Authors will be requested to submit 1-page paper written in English, including text, figures, tables, and references within a frame of 17 cm x 24 cm. The paper template is available through the paper submission site.

IWPPI2018 will provide the attractive fields to exchange the latest advances and ideas not only in photonics polymers and related materials but also photonics devices and applications. IWPPI2018 looks for scientific interaction and collaboration to create innovative progresses in our life. We encourage you to submit many abstracts.

### CATEGORY

Topics to be covered in the workshop include, but are not restricted to:

**A. Fiber, Waveguide, and Optical Interconnects**

Chip/Board/System-level optical interconnects, Active optical cables, Polymer waveguides, etc.

**B. Displays**

LCD, Laser/LED/EL displays, 3D displays, Projection displays, Wearable displays, etc.

**C. Optical Imaging and Sensing**

Optics for image recognition, Sensors and sensing systems, Security systems, Optical computing, Bio- and medical sensing, Tomography, etc.

**D. Optical Equipment**

Optical storages, Laser and LED printers, Advanced cameras, Advanced optical microscopes, etc.

**E. New Applications**


Green photonics, Environmental and energy optics, Bio- and medical optics, Nano-photonics, systems, Agricultural and fishery optics, etc.


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 category will be accepted for presentation.

### SUBMISSION OF PAPERS

Papers should be submitted electronically no later than ~~July 31 (Tue.), 2018~~ **August 17(Fri.), 2018**. Authors will be requested to submit 1-page abstract written in English, including text, figures, tables, and references within a frame of 17 cm x 24 cm. The abstract template is available for downloading which must be used for compliance.

Authors will be notified of acceptance on or before August 31 (Fri.), 2018. Accepted papers will be published through the Proceedings except for cases of no-show without notification and for paper-cancellation.

 [Call for Papers](#)

 [Abstract Template](#)

[Paper Submission](#)

### POSTER SESSION

In addition to regular oral presentation sessions, poster presentation session will be planned to stimulate detailed explanation and discussion. The author(s) of papers will be informed of the size of bulletin board for displaying summary, figures, tables, etc., when selected as poster papers.

### OFFICIAL LANGUAGE

The official language of IWPPI2018 is English.

#### CONTACT

**IWPPI2018 Program Committee**  
E-mail: [program@kopt-23sh070001.kir.jp](mailto:program@kopt-23sh070001.kir.jp)

Program

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at a glance

	Oct.15 (Mon)		Oct.16 (Tue)		Oct.17 (Wed)		Oct.18 (Thu)
9:00		8:30	<b>Session</b> New Applications (Nano-semiconductors & -metals) Ifor Samuel Vera Cimrova Andre-Jean Attias (Asia) Jun Wang (Asia) Chih-Chia Cheng	8:30	<b>Session</b> "Photonics Polymer Project" in S-Innovation Program Kozoh Hakuta Okihito Sugihara Eiji Yoda Toyohiko Yatagai Yasuhiro Koike	9:00	Suwa Area Industrial Messe Opening Ceremony (Suwa Lake Event Hall)
10:00		10:00	Coffee Break	10:00	Coffee Break	10:00	
11:00		11:00	<b>Session</b> New Applications (Nanostructure Photonics) Jean-Michel Nunzi Kwang-Sup Lee Hynd Remita (Asia) Bin Cai (Asia) Priastuti Wulandari	11:00	Special Session	11:00	
12:00	Registration (Lobby of Hotel Beniya)	12:00	Lunch Time	12:00	Closing	12:00	
13:00	Opening	13:00		13:00	Lunch Time	13:00	Special Lectures Admission (Suwa City Culture Center)
14:00	<b>Plenary Session</b> Duncan T. Moore Nasser Peyghambarian	14:00	<b>Session</b> Optical Imaging, Display, Storage Ken Singer Ken Y. Hsu Hiromasa Yamashita Daniel Citterio	14:00		14:00	Special Lectures  Mr. Minoru Usui Seiko Epson Corporation  Prof. Duncan Moore University of Rochester  Prof. Akira Fujishima Tokyo University of Science
15:00	Coffee Break	15:00	Coffee Break	15:00	Excursion	15:00	Closing
16:00	<b>Session</b> Fiber, Waveguide, Interconnects I  Kien Truong Joseba Zubia Kin Seng Chiang	16:00	<b>Session</b> New Application (New Polymer for Photonics)  Ray T. Chen Chantal Andraud Eunkyong Kim Kishan Dholakia	16:00		16:00	
17:00	Break  <b>Session</b> Fiber, Waveguide, Interconnects II Mark G. Kuzyk Bruno Ameduri  <b>Session</b> New Application (Bio and Natural Material) James Grote Ileana Rau	17:00	Poster Session	17:00		17:00	
18:00	Exhibition Tour	18:00		18:00		18:00	
19:00		19:00	Banquet (Ruby Hall)	19:00		19:00	
20:00		20:00		20:00		20:00	
		20:30					

\*Oct. 15 (Mon) -17 (Wed) : Hotel Beniya  
\*Oct. 18 (Thurs) : Suwa City Culture Center

※Exhibition will be open from Oct.15 at 1pm to Oct. 17 at 1pm.



## Program

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### Monday, October 15, 2018

#### Opening Remarks

Chair: Yasuhiro Koike / Keio University, Japan

13:00	Yoshimasa Goto / Executive Director, Japan Science and Technology Agency Seizo Miyata / Program Officer, Japan Science and Technology Agency
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#### Plenary Session

Chair: Toyohiko Yatagai / Utsunomiya University, Japan

13:20	<b>"Polymeric Lenses for Optical Systems"</b> Duncan T. Moore / University of Rochester, USA
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Chair: Kwang-Sup Lee / Hannam University, Korea

14:00	<b>"Magneto optic polymers and engineered nanostructures in polymer hosts for magnetic field sensors with femto-Tesla resolution"</b> N. Peyghambarian, Babak Amirsolaimani, Palash Gangopadhyay, Andre P. Persoons, Sasaan A. Showghil, Lloyd J. LaComb, and Robert A. Norwood /The University of Arizona, USA
14:40	Coffee Break

#### Invited: Fiber, Waveguide, Interconnects I

Chair: Kozo Hakuta / University of Electro-Communications, Japan

15:10	<b>"Potential Disruptive POF Technologies for Aircraft Applications"</b> T. Kien Truong / Boeing Commercial Airplanes, USA
15:30	<b>"Solar energy concentrators using hybrid-doped plastic optical fibers"</b> M. Asunción Illarramendi, Joseba Zubia, Itxaso Parola, Igor Ayesta / University of the Basque Country, Spain
15:50	<b>"3D polymer waveguide devices for mode-division-multiplexing fiber communications"</b> Kin Seng Chiang / City University of Hong Kong, China
16:10	Break

#### Invited: Fiber, Waveguide, Interconnects II

Chair: T. Kien Truong / Boeing Commercial Airplanes, USA

16:20	<b>"Harnessing the photomechanical response of dye-doped polymer fibers and elastomers"</b> Mark G. Kuzyk / Washington State University, USA
16:40	<b>"FLUOROPOLYMERS &amp; OPTICAL FIBERS"</b> Bruno Ameduri / Ingénierie et Architectures Macromoléculaires Institut Charles Gerhardt, France

#### Invited: New Application (Bio and Natural Materials)

Chair: Jean-Michel Nunzi / Queen's University, Canada

17:00	<b>"Deoxyribonucleic Acid-Silver Nanocomposite Electromagnetic Shielding"</b> James Grote and Michael Salour / SDXTEK – Software Defined Technologies, USA
17:20	<b>"Natural extracts – potential chromophores for optoelectronic applications"</b> Ileana Rău, François Kajzar, Mirela Anton, Alina Simion, Cristian Simion / POLITEHNICA University of Bucharest, Romania
17:40	Exhibition Tour
19:00	

### Tuesday, October 16, 2018

#### Invited: New Applications (Nano-Semiconductors & -Metals)

Chair: Eunkyong Kim / Yonsei University, Korea

8:30	<b>"Organic Semiconductors: Power and Data for Mobile Communications"</b> Ifor D. W. Samuel <sup>1</sup> , Pavlos P. Manousiadis <sup>1</sup> , Harald Haas <sup>2</sup> and Graham A. Turnbull <sup>1</sup> 1. University of St. Andrews, UK; 2. the University of Edinburgh, UK
8:50	<b>"Effects of side chains in donor-acceptor copolymers for photonics"</b> Věra Cimrová, Drahomír Vyprachtický, Veronika Pokorná, Petra Babíčová / Czech Academy of Sciences, Czech
9:10	<b>"Tuning the graphene photonic properties by surface-confined supramolecular self-assembly"</b> S. Le Liepvre <sup>1</sup> , P. Du <sup>2</sup> , D. Kreher <sup>2</sup> , F. Mathevet <sup>2</sup> , C. Fiorini-Debusschert <sup>1</sup> , F. Charra <sup>1</sup> , A.-J. Attias <sup>2</sup> 1. CEA Saclay, Gif sur Yvette, France; 2. Sorbonne Université, France
9:30	<b>"Probing the Movement of Excitonic Dark State and Band-Edge in Layered MoS<sub>2</sub> by Two-Photon Excitation"</b> Jun Wang / Chinese Academy of Science, China
9:45	<b>"Supramolecular Polymer Network Mediated Hole Injection in Organic Electroluminescent Devices"</b> Chih-Chia Cheng / National Taiwan University of Science and Technology, Taiwan
10:00	Coffee Break

#### Invited: New Applications (Nanostructure Photonics)

Chair: Ifor D. W. Samuel / University of St. Andrews, UK

10:20	<b>"Plasmonic Antenna Hot-Electron Photo-detectors"</b> Somayeh M.A. Mirzaee and Jean-Michel Nunzi / Queens University, Canada
10:40	<b>"Diverse Applications of 3D Objects Fabricated by Two-Photon-Initiated Polymerization"</b> Kwang-Sup Lee / Hannam University, Korea
11:00	<b>"Conjugated Polymer Nanostructures for Photocatalysis under Visible-Light"</b> Hynd Remita <sup>1</sup> , Xiaojiao Yuan <sup>1</sup> , Dita Floresyona <sup>1</sup> , Stéphanie Mendes Marinho <sup>2</sup> , Srabanti Ghosh <sup>1</sup> , Aliy Aukaulooz, Winfried Leibiz, Samy Remita <sup>1</sup> , Fabrice Goubard <sup>3</sup> , Pierre-Henri Aubert <sup>3</sup> / 1. Université Paris-Sude, France; /2. Université Paris Saclay, France; /3. Université de Cergy-Pontoise, France
11:20	<b>"Self-assembly of Organic Nonlinear Nanowires"</b> Bin Cai, Tian Tian, Chenyin Wu, Shuting Guan / University of Shanghai Science and Technology, China
11:35	<b>"Chemical, Electronic and Optical Properties of Metal Nanoparticles Capped by Organic Molecules and Its Application in Polymer based Optoelectronic Devices"</b> Priastuti Wulandari <sup>1</sup> , Rachmat Hidayat <sup>1</sup> , Koichi Okamoto <sup>2</sup> , Kaoru Tamada <sup>2</sup> 1. Bandung Institute of Technology, Indonesia; /2. Kyushu University, Japan
11:50	Lunch

#### Invited: Optical Imaging, Display, Storage

Chair: Tsutomu Shimura / University of Tokyo, Japan

13:20	<b>"Multilayer polymer films for high capacity optical data storage: optimization of fluorescence lifetime for high speed read-out"</b> Kenneth D. Singer / Case Western Reserve University, USA
13:40	<b>"Photoreaction of phenanthrenequinone molecule in MMA-rich PMMA photopolymer for holographic recording"</b> Ken Y. Hsu, Shiuan Huei Lin, Vera Marinova / National Chiao Tung University, Taiwan
14:00	<b>"8K UHD Technology for New Medical Applications: 8K UHD Endoscope and Microscope"</b> Hiromasa Yamashita / Kairos Co., Ltd, Japan
14:20	<b>"Simple and low-cost optical detection of clinically relevant targets at point-of-care"</b> Daniel Citterio / Keio University, Japan
14:40	Coffee Break

#### Invited: New Applications (New Polymer for Photonics)

Chair: James Grote / SDXTEK – Software Defined Technologies, USA

15:00	<b>"40 GHz Silicon-Organic Hybrid Subwavelength Grating Metamaterial Racetrack Modulator"</b> Xiaochuan Xu <sup>1,2</sup> , Zeyu Pan <sup>1</sup> , Chi-Jui Chung <sup>1</sup> , Ching-Wen Chang <sup>1</sup> , Ray T. Chen <sup>1,2</sup> 1. The University of Texas, USA; 2. Omega Optics Inc., USA
15:20	<b>"Polymethines for nonlinear absorption or biological applications"</b> Chantal Andraud / Ecole Normale Supérieure de Lyon, France
15:40	<b>"Color-Tunable Capacitive Polymer Windows Through Charge Balancing Electrochromism"</b> Yoonhoon Kim, Minsu Han, Jinbo Kim, Eunyoung Kim / Yonsei University, Korea
16:00	<b>"New Studies Exploiting Polymer Science for the Generation and Use of Optical Vortices"</b> Kishan Dholakia <sup>1,2</sup> / 1. University of St. Andrews, Scotland; Chiba University, Japan
16:20	<b>Poster Session</b> Chair: Okihiko Sugihara / Utsunomiya University, Japan & Masatoshi Tokita / Tokyo Institute of Technology, Japan
18:00	Banquet
20:30	

### Wednesday, October 17, 2018

#### Proposal from "Photonics Polymer Project" in S-Innovation Program

Chair: Kenneth D. Singer / Case Western Reserve University, USA

8:30	<b>"Development of Single-Photon Generation System Using Optical Nanofibers"</b> Kohzo Hakuta <sup>1</sup> , Nobuyuki Ishihara <sup>2</sup> , Akiharu Miyanaga <sup>3</sup> , Hiroaki Suzuki <sup>4</sup> 1. University of Electro-Communications, Japan; 2. Ishihara Sangyo Co., Ltd., Japan; 3. NS Materials Inc., Japan; 4. ARIOS INC., Japan
8:45	<b>"Recent Progress of Optical Interconnect Devices Using High Performance Polymers"</b> Okihiro Sugihara <sup>1</sup> , Shiyoshi Yokoyama <sup>2</sup> , Tomohiro Kita <sup>3</sup> 1. Utsunomiya University, Japan; 2. Kyushu University, Japan; 3. Waseda University, Japan
9:00	<b>"Development of Transparent Projection Screen Film"</b> Eiji Yoda <sup>1</sup> and Masatoshi Tokita <sup>2</sup> 1. JXTG Nippon Oil & Energy Corporation, Japan; 2. Tokyo Institute of Technology, Japan
9:15	<b>"Practical Design of Phase Multi-level Holographic Data Storage"</b> Toyohiko Yatagai <sup>1</sup> and Yukinobu Tada <sup>2</sup> 1. Utsunomiya University, Japan; 2. Hitachi-LG Data Storage, Inc., Japan
9:30	<b>"High Speed and High Quality Imaging System by Novel Photonics Polymer"</b> Yasuhiro Koike / Keio University, Japan
9:45	<b>Overview</b> Seizo Miyata (Program Officer, Japan Science and Technology Agency)
9:50	Coffee Break

#### Special Session "Innovation of Photonics Polymer -Material Changes the System-"<sup>44</sup>

(with Japanese⇒English simultaneous interpretation)

10:20	<b>Moderator:</b> Yasuhiro Koike (Professor, Keio University) <b>Panelists:</b> Katsuhiko Shirai (Board Member of NTT Corporation, Former President of Waseda University) Toshiyuki Umebara (Board Member, Senior Executive Vice President & CTO & CIO, Nitto Denko Corporation) Yukari Kaneko (Mayor, Suwa City) Seizo Miyata (Program Officer, Japan Science&Technology Agency) William Leggett (Google) Blade Olson (Google)
11:40	<b>Closing Remarks</b> Toyohiko Yatagai / Utsunomiya University, Japan
11:50	Lunch
13:00	Excursion

### Poster Session (Tuesday, October 16, 2018 at 16:20)

P-01	<b>Improvement of frequency characteristics by using variable mode control device for graded-index and step-index multimode fibers</b> Koji Horiguchi <sup>1,2</sup> , Tadahisa Iikubo <sup>1</sup> , Yasuhiro Hyakutake <sup>1</sup> , Yoshitada Beppu <sup>1</sup> , Okihiro Sugihara <sup>2</sup> 1. Adamant Namiki Precision Jewel Co., Ltd., Japan; 2. Utsunomiya University, Japan
P-02	<b>Generation of refractive index difference in copolymerized light-induced self-written optical waveguide using redox sensitization reaction</b> Ren Watanabe <sup>1</sup> , Akari Kawasaki <sup>2</sup> , Tatsuya Yamashita <sup>2</sup> 1. Adamant Namiki Precision Jewel Co., Ltd., Japan; 2. Toyota Central R&D Labs, Inc. Japan
P-03	<b>A polymeric fiber optic point-of-care device for biomolecule detection</b> Alwyn S Rajamani and V.V.R.Sai / Indian institute of Technology Madras, India
P-04	<b>Laser-Driving-Current Dependence of Nonlinear Distortion Reduction Effect in Graded-index Plastic Optical Fiber Link</b> Kenta Muramoto, Azusa Inoue, Yasuhiro Koike / Keio University, Japan
P-05	<b>Offset Launching for Ballpoint-pen Interconnect of Graded-index Plastic Optical Fiber</b> Tomotaka Yagi, Azusa Inoue, Yasuhiro Koike / Keio University, Japan
P-06	<b>Modulation-power Dependence of Transmitted TV Signal Quality for Low-noise Graded-index Plastic Optical Fiber Link</b> Kota Nishiyama, Azusa Inoue, Yasuhiro Koike / Keio University, Japan
P-07	<b>Transmission Quality Improvement Due to Spherical Aberration of Ball Lens for Laser Coupling into Graded-index Plastic Optical Fiber</b> Fumihide Kobayashi, Azusa Inoue, Yasuhiro Koike / Keio University, Japan
P-08	<b>Core-diameter Dependence of Noise Reduction Effects of Graded-index Plastic Optical Fiber</b> Takeru Akashi, Azusa Inoue, Yasuhiro Koike / Keio University, Japan
P-09	<b>Fiber-length Dependence of Depolarization Effect in Graded-index Plastic Optical Fiber with Strong Mode Coupling</b> Hikari Suzuki, Azusa Inoue, Yasuhiro Koike / Keio University, Japan
P-10	<b>High temperature electro-optic polymer using norbornene-dicarboximide</b> Alisa Bannaron, Andrew Mark Spring, Shiyoshi Yokoyama / Kyushu University, Japan
P-11	<b>Optimization of Hybrid Silicon and Polymer EO Modulator for Wideband Application</b> Xiaoyang Cheng and Shiyoshi Yokoyama / Kyushu University, Japan
P-12	<b>Study on mode filter to evaluate characteristics of optical transceiver for in-vehicle Gigabit Ethernet over plastic optical fiber</b> Satoshi Takahashi <sup>1</sup> and Okihiro Sugihara <sup>2</sup> 1. POF Promotion, Japan; 2. Utsunomiya University, Japan
P-13	<b>A New Calculation Model Using Near- and Far-Field Patterns of Step-Index Multimode Fiber Connection</b> Shigeru Kobayashi <sup>1</sup> , Koji Horiguchi <sup>2,3</sup> , Okihiro Sugihara <sup>3</sup> 1. Tyco Electronics Japan, Japan; 2. Adamant Namiki Precision Jewel Co., Ltd., Japan; 3. Utsunomiya University, Japan
P-14	<b>Hybrid System of an Optical Nanofiber and a Single Quantum dot for Bright Single Photon Generation</b> K. Muhammed Shaif <sup>1</sup> , Wei Luo <sup>1</sup> , Ramachandrarao Yalla <sup>1</sup> , Kazunori Iida <sup>2</sup> , Emi Tsutsumi <sup>2</sup> , Akiharu Miyanaga <sup>3</sup> , Kohzo Hakuta <sup>1</sup> 1. University of Electro-Communications, Japan; 2. NS Materials, Inc., Japan
P-15	<b>Fano-type resonances and avoided crossing in a photonic crystal nanofiber cavity</b> Jameesh Keitho, Kali Prasanna Nayak, Jie Wang, Makoto Morinaga, Kohzo Hakuta University of Electro-Communications, Japan
P-16	<b>Nanofiber Cavity QED System for Single Photon Generation</b> Ramachandrarao Yalla <sup>1</sup> , K. Muhammed Shaif <sup>1</sup> , Hidetoku Iida <sup>2</sup> , Satoru Tomaru <sup>2</sup> , Nobuyuki Ishihara <sup>2</sup> , Kohzo Hakuta <sup>1</sup> 1. University of Electro-Communications, Japan; 2. Ishihara Sangyo Co. Ltd., Japan
P-17	<b>Optical performance of in-vehicle plastic optical fiber communication using up-tapered ferrule</b> Masahiro Uchida <sup>1</sup> , Koji Horiguchi <sup>1,2</sup> , Tomohiro Kikuta <sup>2</sup> , Shigeru Kobayashi <sup>3</sup> , Okihiro Sugihara <sup>1</sup> 1. Utsunomiya University, Japan; 2. Adamant Namiki Precision Jewel Co., Ltd., Japan; 3. Tyco Electronics Japan, Japan
P-18	<b>Durability of diamond-dispersed sol-gel coating for transparent glass screen</b> Keisuke Murata, Ikuya Hashimoto, Fumito Kobayashi, Shinobu Arata, Yukihiro Oglani / Central Glass Co.,Ltd., Japan
P-19	<b>A low-retardation polyamide film containing birefringent crystals</b> Hikaru Hotta <sup>1</sup> , Katsuya Sakayori <sup>1</sup> , Toshio Yoshihara <sup>1</sup> , Norinaga Nakamura <sup>1</sup> , Chikafumi Tanaka <sup>2</sup> , Yasuhiro Koike <sup>2</sup> 1. Dai Nippon Printing Co., Ltd., Japan; 2. Keio University, Japan
P-20	<b>Temperature-independent zero-birefringence polymer by the method of compensation for temperature dependence of birefringence</b> Kenji Wada, Akihiro Tagaya, Yasuhiro Koike / Keio University, Japan;
P-21	<b>Comparison of Birefringence between Methacrylamide Polymers and Methacrylate Polymers</b> Yuma Kobayashi <sup>1</sup> and Yasuhiro Koike <sup>1,2</sup> 1. Keio University, Japan; 2. Keio Photonics Research Institute, Japan
P-22	<b>Proposal of Random Depolarization Film for Real-Color Displays with Polarized Sunglasses</b> Mariko Udono and Yasuhiro Koike / Keio University, Japan
P-23	<b>Analysis and control of birefringence dispersion by the anisotropic molecule dopant method</b> Kenta Hirose <sup>1</sup> and Yasuhiro Koike <sup>1,2</sup> 1. Keio University, Japan; 2. Keio Photonics Research Institute, Japan
P-24	<b>The Proposal of High Retardation Polymer Film for Real Color Displays</b> Kotaro Murakami <sup>1</sup> and Yasuhiro Koike <sup>1,2</sup> 1. Keio University, Japan; 2. Keio Photonics Research Institute, Japan
P-25	<b>Simulated Analysis of Light-waves Considering Transmission Errors of Wireless Transmission System on CGH for Holographic Display</b> Kazuhiro Yamaguchi <sup>1</sup> and Taji Sakamoto <sup>2</sup> 1. Suwa University of Science, Japan; 2. Hokkaido University, Japan
P-26	<b>Measurement of refractive index change induced by femtosecond laser pulses in glass with digital holographic microscopy</b> Takashi Fukuda <sup>1</sup> , Hidenobu Arimoto <sup>1</sup> , Takayuki Tamaki <sup>2</sup> , Wataru Watanabe <sup>3</sup> 1. National Institute of Advanced Industrial Science & Technology, Japan; 2. National Institute of Technology, Nara College, Japan; 3. Ritsumeikan University, Japan
P-27	<b>Digital holographic image reconstruction through an opaque random phase plate</b> Hidenobu Arimoto <sup>1</sup> , Akinori Igarashi <sup>2</sup> , Fumito Araki <sup>2</sup> , Takashi Fukuda <sup>1</sup> , Wataru Watanabe <sup>2</sup> 1. National Institute of Advanced Industrial Science & Technology, Japan; 2. Ritsumeikan University, Japan
P-28	<b>Development of Phase Multi-level Holographic Data Storage</b> Takeru Utsugi, Mayumi Sasaki, Kazuhiko Ono, Yukinobu Tada / Hitachi-LC Data Storage, Inc., Japan
P-29	<b>Analysis of the output signal of time series signal holographic memory</b> Tatsuru Shimura <sup>1</sup> , Luo Xin <sup>1</sup> , Dongseok Kim <sup>1</sup> , Masao Endo <sup>1</sup> , Yoshito Tanaka <sup>1</sup> , Ryushi Fujimura <sup>2</sup> 1. University of Tokyo, Japan; 2. Utsunomiya University, Japan
P-30	<b>Study of off-Bragg diffraction characteristic in oblique rectangular holograms</b> Takeshi Nemoto and Ryushi Fujimura / Utsunomiya University, Japan
P-31	<b>Refractive index modulation measurement for volume hologram by optical diffraction tomography</b> Natsuo Fushiki <sup>1</sup> , Daisuke Barada <sup>1,2</sup> , Takashi Fukuda <sup>2</sup> , Toyohiko Yatagai <sup>1</sup> 1. Utsunomiya University, Japan; 2. Advanced Industrial Science and Technologies, Japan
P-32	<b>Preparation of Zn(S,O,OH) Thin Films by Chemical Bath Deposition</b> Motoyasu Jinai, Hironori Haga, Hiroki Ishizaki / Saitama Institute of Technology, Japan
P-33	<b>Photonic films of Block Copolymers Comprising a Main-Chain Liquid Crystalline Central Segment Connected to Amorphous Segments at Both Ends</b> Junpei Kuribayashi, Mikihiko Hayashi, Masatoshi Tokita / Tokyo Institute of Technology, Japan
P-34	<b>Monodomain Liquid Crystalline Elastomers of Block Copolymers Comprising Main-Chain Liquid Crystalline Polyester and Thermally Cross-Linked Segments</b> Yuki Ikeda, Suzanne Ito, Masatoshi Tokita / Tokyo Institute of Technology, Japan
P-35	<b>Microphase-Separated Structure of Diblock Copolymers Comprising Rod-like &amp; alpha-Helix Polypeptide and Coil Amorphous Segments</b> Shiho Chiba, Minh Anh Troung, Masatoshi Tokita / Tokyo Institute of Technology, Japan
P-36	<b>Segregation of polymer-grafted nanoparticles in channel-patterned composite films</b> Naoto Iwata <sup>1</sup> , Nadia Krookb <sup>2</sup> , Russell Compostob <sup>2</sup> , Masatoshi Tokita <sup>1</sup> 1. Tokyo Institute of Technology, Japan; 2. University of Pennsylvania, U.S.A.
P-37	<b>Birefringence dispersions of liquid crystalline syndiotactic poly(methylene) films</b> Hiroyuki Kudo, Keiichi Kuboyama, Susumu Kawachi, Masatoshi Tokita / Tokyo Institute of Technology, Japan
P-38	<b>Thermal Diffusivities of Side-Chain-Polymer Smectic Liquid Crystals</b> Shohei Yamazaki, Atsuki Sugimoto, Nawalage Florence Cooray, Masatoshi Tokita / Tokyo Institute of Technology, Japan
P-39	<b>Polar anchoring strengths of nematic liquid crystal on high-density polymer brush surfaces</b> Kenta Yazawa <sup>1</sup> , Naoto Iwata <sup>1</sup> , Osamu Sato <sup>2</sup> , Masatoshi Tokita <sup>1</sup> 1. Tokyo Institute of Technology, Japan; 2. LG Japan Lab Inc. Japan
P-40	<b>Polymer Brush Formation at the Surface of Substrate-Bonded Diblock Copolymer Monolayers</b> Reon Shioda, Yuzuka Yoshoka, Naoto Iwata, Masatoshi Tokita / Tokyo Institute of Technology, Japan
P-41	<b>Mechanism of increase in refractive index of hybrid material by wet annealing</b> Ryota Narita <sup>1</sup> , Bin Cai <sup>2</sup> , Masaya Mitsuishi <sup>3</sup> , Okihiro Sugihara <sup>1</sup> 1. Utsunomiya University, Japan; 2. University of Shanghai for Science and Technology, China; 3. Tohoku University, Japan
P-42	<b>Light propagation analysis in photopolymer with complex electric susceptibility modulation</b> Satoshi Tagami, Daisuke Barada, Toyohiko Yatagai / Utsunomiya University, Japan
P-43	<b>Refractive index increase of photocured hybrid material by wet annealing</b> Risa Sakamoto <sup>1</sup> , Masato Hosoya <sup>1</sup> , Bin Cai <sup>2</sup> , Okihiro Sugihara <sup>1</sup> 1. Utsunomiya University, Japan; 2. University of Shanghai for Science and Technology, China



## Program

[Home](#) > [Program](#) > [Special Session](#)

### Special Session “Innovation of Photonics Polymer -Material Changes the System-“

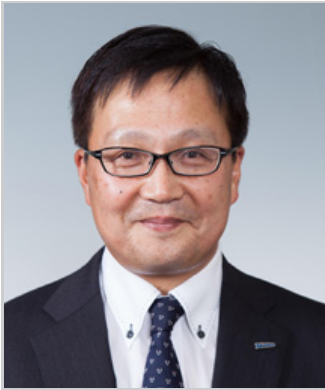
**Date** : Oct.17th (Wed) 10:20 ~ 11:40  
**Venue** : Convention Hall of Hotel Beniya  
**Language:** English and Japanese (Simultaneous Interpretation will be provided)

**Panelists:**



**Katsuhiko Shirai**

Board Member of NTT Corporation, (Former President of Waseda University)



**Toshiyuki Umehara**

Board Member, Senior Executive Vice President & CTO & CIO, Nitto Denko Corporation



**Yukari Kaneko**

Mayor, Suwa City



**William Leggett**

Google



**Blade Olson**

Google



**Seizo Miyata**

Program Officer, Japan Science and Technology Agency

**Moderator:** Yasuhiro Koike (Professor, Keio University)

We will discuss how materials can contribute to systems with the theme “Innovation of Photonics Polymer ~Material Changes the System~” with distinguished panelists from industry, government and academia. We have invited special guests from Silicon Valley. We will hear Google’s recent activities and future vision as the world leading company. We will have a free discussion with panelists as well as audience.



[PAGETOP](#)

## Program

[Home](#) > [Program](#) > [Event info.](#)

### Event Information

#### Banquet

**Date** : Oct.17 (Wed) Banquet  
**Venue** : Convention hall “Ruby Hall” at 2nd Floor of Hotel Beniya  
**Fee** : Free of charge

#### Excursion (Grand Shrine Suwa Taisha/Epson Monozukuri Museum/Masumi Sake Brewery)

Tentative Schedule

**Date/Time** : Oct.17th (Thursday) 14:00 – 18:00  
**Fee** : ¥2500/person (Please pay in cash before departure.)

**Reservation** : Required. Please tick “yes” for excursion when registering for IWPPI2018. Please note that it is on a first-come-first-served basis and will close accepting upon reaching its capacity (40 people).

**Departure** : 14:00 from Hotel Beniya (Please have your lunch by yourself before the departure.)

##### Suwa Taisha (Grand Shrine) Shimosha Akimiya

<https://www.japanvisitor.com/japan-temples-shrines/suwa-shrine-nagano>

##### Epson Monozukuri Museum

<https://global.epson.com/SR/communication/example.html>

##### Masumi Sake Brewery (including tasting)

<https://www.masumi.co.jp/english/company/gallery/>

▲  
[PAGETOP](#)

## Program

[Home](#) > [Program](#) > [Special Lectures on Oct.18th](#)

### Special Lectures(Joint Event with Suwa Area Industrial Messe)

- Date

:

Oct. 18 (Thu) 13:00 ~ 15:40 (12:30~Admission)
- Venue

:

Suwa City Culture Center (5-12-18 Kogan-dori, Suwa, Nagano, 392-0027)
- Sponsor

:

S-Innovation Program of Japan Science and Technology and Agency (JST)
- Co-Sponsors

:

Suwa City  
The Suwa Chamber of Commerce and Industry  
The Japan Society of Applied Physics (JSAP)  
SPIE
- Fee

:

Free of charge
- Registration

:

Please click “Yes” for Special Lectures on Oct.18 when registering for IWPPi2018.
- Language

:

Japanese (Simultaneous Interpretation from Japanese to English and Consecutive Interpretation from English to Japanese will be provided.)

#### <Program>

#### Greeting 13：00 ~ 13：15

Yukari Kaneko, Mayor of Suwa City

#### Special Lecture 13：15 ~ 13：55

*“Innovation through Efficient, Compact and Precision Technology”  
~Creating a New Connected Age of People, Things and Information~*

**Minoru Usui**

President, Seiko Epson Corporation



#### Special Lecture 14：00 ~ 14：40

*“Gradient-Index Optics and Concentrating Photovoltaics”*

**Duncan T. Moore**

Rudolf and Hilda Kingslake Professor of Optical Engineering Vice Provost for Entrepreneurship, University of Rochester



#### Special Lecture 14：45 ~ 15：25

*“TiO2 Photocatalysis to Contribute Comfortable Atmosphere”*

**Akira Fujishima**

Distinguished Professor, Former President, Tokyo University of Science



#### Closing 15：30 ~ 15：40

# Program

[Home](#) > [Program](#) > [For Poster Presenters](#)

## Instruction for Poster Presenters

All speakers are required to register for participation in IWPPI.

### Session Room

Main Lobby (1F) or Convention Hall Lobby (2F)

### Poster Board

IWPPI organizing committee will supply a poster board of the following size.

- Size:

The inside dimension:

Recommended posting area:

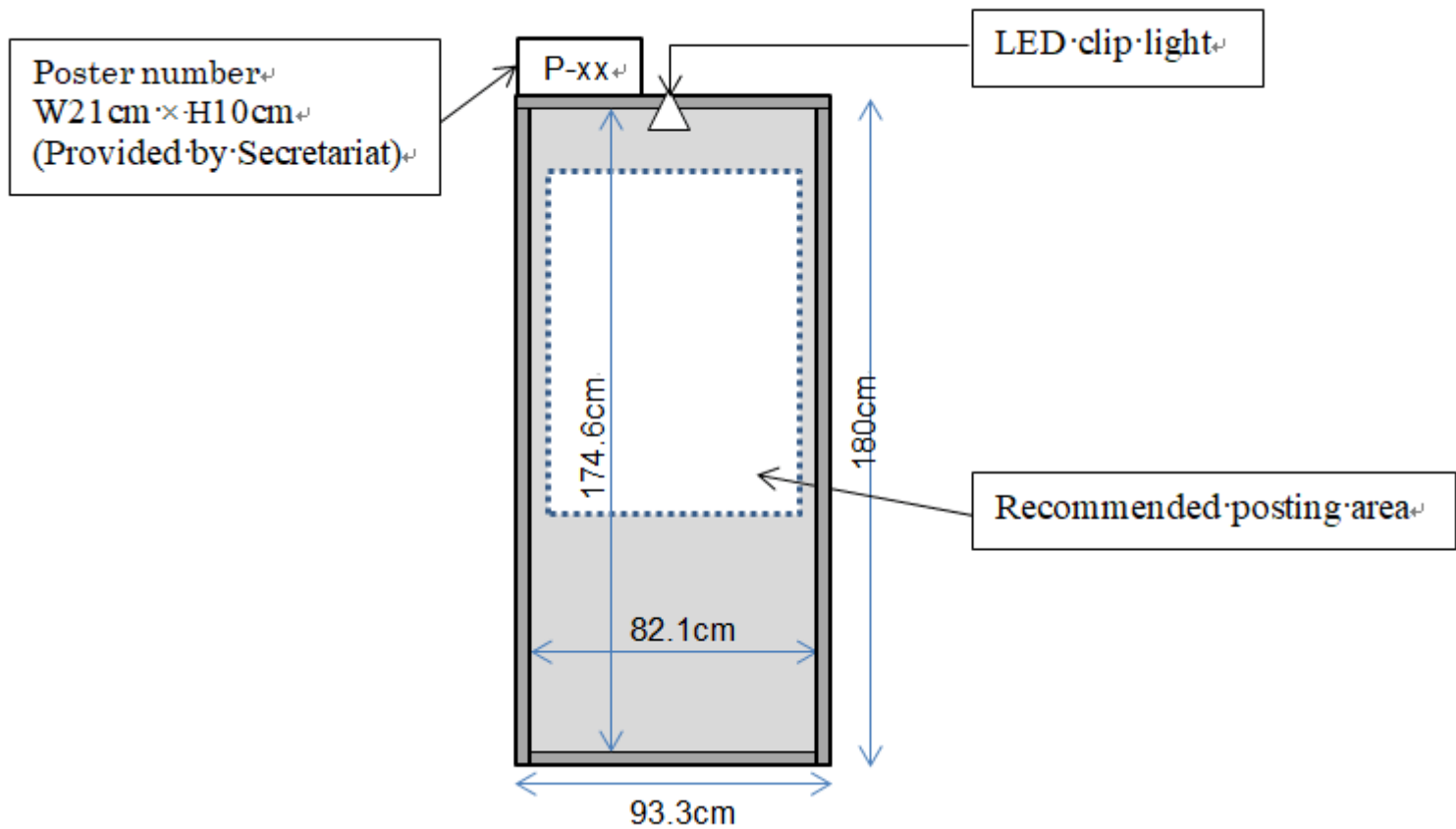
Poster Number:
- Width 93.3cm x Height 180cm

Width 82.1cm x Height 174.6cm

B1 size (Width 73cm x Height 112cm)

Width 21cm x Height 10cm

Posters should be displayed on the boards using adhesive material distributed in the Poster Session area. No pushpins are permitted on the boards.



## Poster Set-up Presentation Schedule

- Poster Set-up:

Presentation:

Poster Removal:
- Monday, Oct. 15, 11:00-13:00

Tuesday, Oct. 16, 16:20-18:00

Wednesday, Oct. 17 13:00-17:00
- Obligation time: 16:20-16:55 (odd number posters)

17:10-17:45 (even number posters)

During the assigned obligation time, authors have to remain in the vicinity of their poster board and answer questions. Please note that no electricity or audiovisual equipment will be supplied for poster presentations.

Authors are also responsible for setting up and removing their poster. The organizing committee is not responsible for the loss of the poster after the removal time. Please note that the remaining posters will be disposed.



## Speakers

[Home](#) > [Speakers](#)

### Plenary Speakers



**Duncan T. Moore**  
University of Rochester, USA



**Nasser Peyghambarian**  
The University of Arizona, USA

### Special Session “Innovation of Photonics Polymer ～Material Changes the System～”

#### Panelists



**Katsuhiko Shirai**  
Board Member of NTT Corporation, Former President of Waseda University



**Toshiyuki Umehara**  
Board Member Senior Executive Vice President & CTO & CIO, Nitto Denko Corporation Nitto Denko Corporation



**Yukari Kaneko**  
Mayor, Suwa City



**Seizo Miyata**  
Program Officer, Japan Science and Tchnology Agency



**William Leggett**  
Google



**Blade Olson**  
Google

### Invited Speakers

**Bruno Ameduri** (Ingénierie et Architectures Macromoléculaires Institut Charles Gerhardt, France)

**Chantal Andraud** (École Normale Supérieure de Lyon, France)

**André-Jean Attias** (Université Pierre-et-Marie-Curie, France)

**Kin Seng Chiang** (City University of Hong Kong, China)

**Ray T. Chen** (The University of Texas, USA)

**Vera Cimrova** (The Czech Academy of Sciences, Czech)

**Daniel Citterio** (Keio University, Japan)

**Kishan Dholakia** (University of St. Andrews, Scotland)

**James Grote** (Wright Patterson Air Force Base, USA)

**Ken Y. Hsu** (National Chiao Tung University, Taiwan)

**Eunkyong Kim** (Yonsei University, Korea)

**Mark G. Kuzyk** (Washington State University, USA)

**Kwang-Sup Lee** (Hannam University, Korea)

**Jean-Michel Nunzi** (Queen's University, Canada)

**Ileana Rau** (POLITEHNICA University of Bucharest, Romania)

**Hynd Remita** (CNRS-Universite Paris-Sude, France)

**Ifor Samuel** (University of St. Andrews, UK)

**Ken Singer** (Case Western Reserve University, USA)

**Kien Truong** (Boeing Commercial Airplanes, USA)

**Hiromasa Yamashita** (Kairos Co., Ltd, Japan)

**Joseba Zubia** (University of the Basque Country, Spain)

**Bin Cai** (University of Shanghai Science and Technology, China)\*

**Chih-Chia Cheng** (National Taiwan University of Science and Technology, Taiwan)\*

**Jun Wang** (Shanghai Institute of Optics and Fine Mechanics, China)\*

**Priastuti Wulandari** (Institute Teknologi Bandung, Indonesia)\*

\*Asian Young Invited by Epson International Scholarship Foundation

### Proposal from “Photonics Polymer Project” in S-Innovation Program

**Kozoh Hakuta** (University of Electro-Communications, Japan)

**Okiihiro Sugihara** (Utsunomiya University)

**Eiji Yoda** (JXTG Nippon Oil & Energy Corporation)

**Toyohiko Yatagai** (Utsunomiya University, Japan)

**Yasuhiro Koike** (Keio University)

### Special Lectures (Joint Event with Suwa Area Industrial Messe)



**Akira Fujishima**  
Distinguished Professor, Former President, Tokyo University of Science, Japan



**Duncan T. Moore**  
Professor, University of Rochester, USA



**Minoru Usui**  
President, Seiko Epson Corporation, Japan

# Registration

[Home](#) > [Registration](#)

General	JPY 60,000 from Sept 16(JPY 55,000 until Sept 15)
Students	JPY 20,000 from Sept 16(JPY 15,000 until Sept 15)

## Conference Registration Includes:

- Admission to all conference sessions
- Admission to the Exhibition
- Admission to Special Lectures (Joint Event with Suwa Area Industrial Messe on 10/18)
- Conference Proceedings

Hotel fee is not included. Please book your hotel by yourselves. (“Hotel Info.” page is [here.](#))

## Special Events

- Participants are invited to the banquet scheduled on Oct.16.
- Excursion fee is JPY2,500 per person (Optional, Reservation is required.)

※To qualify for Student Registration rate, you must be a full-time student in an accredited university. Please submit a copy of valid ID (student card or official letter) to Secretariat of IWPPI by e-mail within two business days of registration completion.

## Payment

We only accept payment by credit card, such as VISA, Master Card, American Express, Diners Club International and JCB.

## Cancellation / Refund Policy

For cancellation after registration, it is required to inform Secretariat of IWPPI by email.  
Requests for refunds must be received by Sept. 28, 2018; all registration fees will be forfeited after this date.

## Visa Support

Attendees should check if you are required to apply for a visa to enter Japan on the [website of Minister of Foreign Affairs of Japan.](#)  
If your country is not exempted from visa application on the above website, please kindly state your need of visa support on the online registration form.  
We will send you the necessary documents for visa application.

## Indispensable condition of the visa support:

- \* 1. You have completed online registration.
- \* 2. Your registration fee has been paid.

\* Please note that if any of these requirements is not met, the visa support cannot be accepted.  
\* Visa applications should be made at least one month before the intended travel dates. We strongly suggest you to inform us your request of visa application as soon as possible.

Registration



## Exhibition

[Home](#) > [Exhibition](#)

### IWPPI2018 Exhibition Application Guidelines

We are soliciting many groups and institutions to present their research results and new products at IWPPI2018 exhibition. If you wish to participate, please refer to this guidelines and fill out an application form, and send it to IWPPI2018 Secretariat by Aug. 31<sup>st</sup>. We are looking forward to your participation.

#### IWPPI2018 Exhibition Outline

##### Schedule

**Period** : October 15<sup>th</sup> (Mon) 13 : 00 ~ October 17<sup>th</sup> (Wed) 13 : 00  
(Exhibition tour Oct. 15<sup>th</sup> 17 : 30~19 : 00)

**Carry-in/Preparation** : October 15<sup>th</sup> (Mon) 9 : 00~13 : 00

**Removal/Carry-out** : October 17<sup>th</sup> (Thu) 13 : 00~17 : 00

\* For more details, IWPPI2018 Secretariat will notify.

##### Venue

Hotel Beniya  
2-7-21 Kogan Dori, Suwa-City, Nagano Prefecture, 392-0027, Japan  
TEL.+81-266-57-1111

##### Exhibition Fee

100,000 yen / booth. Fee includes a complete set of exhibition standards and a privilege of a free IWPPI2018 participation. We will send an invoice at a later date, so please pay accordingly.

##### How to apply

Please fill out an application form (Excel) which you can download from below and send it to IWPPI2018 Secretariat along with logo data by August 31<sup>st</sup>, 2018. Please indicate "IWPPI2018 exhibition application" in the subject of the e-mail.

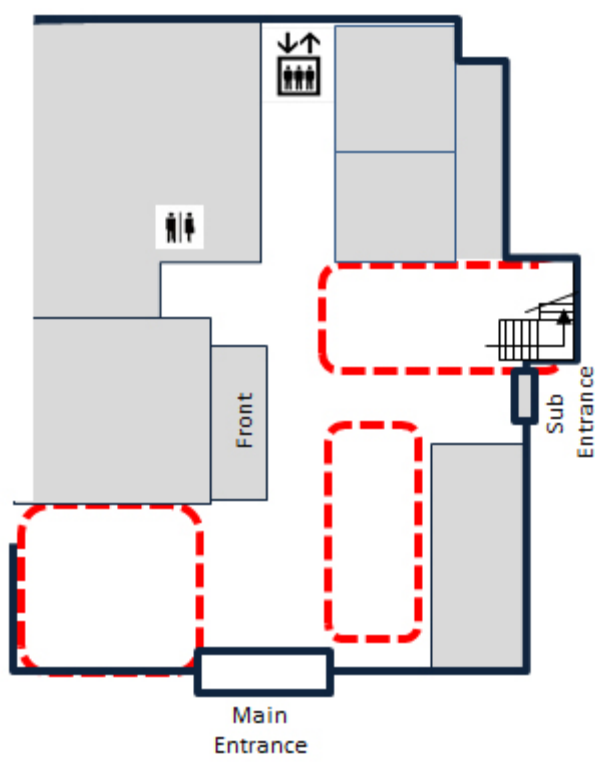
Download Application Form here

 English

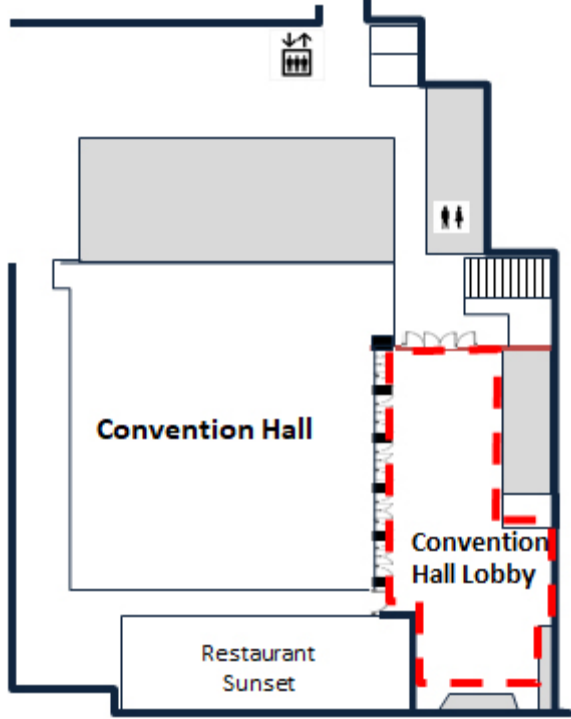
 Japanese

##### Exhibition hall

Main Lobby (Ground floor) and Convention Hall Lobby (2nd floor).  
Booth layout will be determined by lottery after confirming the number of exhibitors and will be announced.



Main Lobby (Ground floor)



Convention Hall Lobby (2nd floor)

#### Exhibit Booth Specifications

##### Standard specification

**Back Panel** : W90cm X H180cm X 2 pieces to be connected

**Display Table** : W180cm X D60cm X H70cm with white cloth

**Exhibitor Nameplate** : W70cm X H20cm (Normal Font)

**LED Clip light** : 1 piece

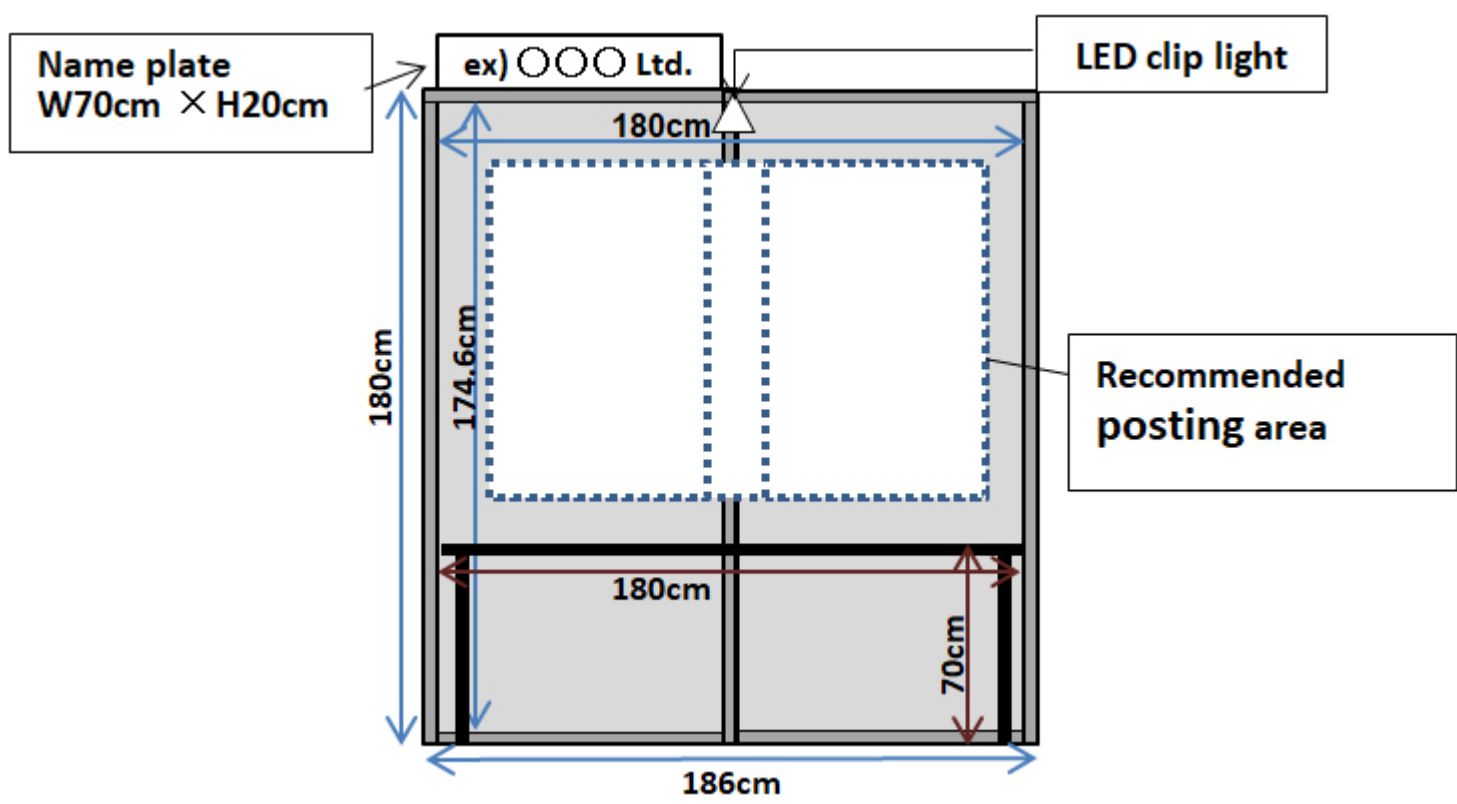
**Power supply** : 100 V, MAX 200 W, single phase outlet

There is a space under the table which can be used for storage.

##### Poster area

Space for A1 vertical poster (W 59.4cm x H84.1cm) x 2 pieces or Space for A0 Horizontal poster (W118.9cm x H84.1cm) x 1 piece

\*Use adhesive tapes for back panel.  
\*Please prepare the posters by yourselves. Language should be prepared in English.



##### Additional Fixtures

If you need additional fixtures such as more power supply, catalog rack, chair, etc, please fill in the application form. Please note that additional fixtures may cost extra.

##### Exhibits Control

The exhibitors are requested to take sufficient measures of their own prevention against any accidents or troubles. The exhibitors are recommended to obtain the correct and proper insurance covered against all risks arising from any losses.

##### Travel and Accommodation expenses

Travel expenses and accommodation expenses of exhibitors are to be borne by each person. You can make a reservation from [accommodation page](#) of IWPPI2018.

**[Application / Inquiries]**  
IWPPI 2018 Secretariat : iwppi@kpri.keio.ac.jp

◆展示申込書				
☆本申込書にご記載いただきました情報は、事務局からIWPPi2018 Exhibitionに関するご連絡をさせていただくために利用致します。 また、お送りいただきますロゴデータはIWPPi2018の広報用に利用致します。				
項目		注意事項など	記入欄（日本語）	記入欄（英語）
出展者情報	機関名	※日本語および英語で併記いただきますようお願い致します。 ※IWPPi2018のご連絡先情報としてのみ使用します。		
	ご担当者様 所属・役職			
	ご担当者様 氏名			
	電話番号			
	Email			
展示情報	展示タイトル	※日本語および英語で併記いただきますようお願い致します。 日本語 100字程度、英語 50words程度		
	共同研究者	例)○○○○(△△大学院XX研究室 准教授) □□□□(▽▽ Corp. XX Department Manager)		
	展示概略	展示内容を広報媒体に記載させていただきます。 ※日本語および英語にて記載をお願い致します。 日本語 300字以内、英語 50words以内		
展示物	展示物-1- 名称			
	展示物サイズ 幅×奥行×高さ(cm)、重さ(kg)	展示用機のサイズは180(W)×60(D)×70(H)cmです。 展示物サイズ： 幅●●(W)×奥行●●(D)×高さ●●(H)cm、重さ●●kg  会期中の夜間、施設された場所での保管が必要な場合は、 「夜間施設場所保管が必要」とご記載ください。		
	電源容量：v/w(コンセント口数)	標準100V/max200W  必要電源容量： ●●●V/●●W、コンセント数●個 特殊なコンセント形状が必要な場合は、ご記入ください。 (例：アース付ツイストタイプ 等) ※標準以上の電気容量およびコンセント形状等をご希望の場合は、別途費用が掛かる可能性があります。 ※電源が不要の場合には、「不要」とご記載ください。		
	展示物-2- 名称	展示物が3点以上の場合は、 欄をコピーしてご使用ください。		
	展示物サイズ 幅×奥行×高さ(cm)、重さ(kg)			
	電源容量：v/w(コンセント口数)			
要望	展示に関するご要望	オリジナル展示台の持込、展示台奥行き追加等、特別な ご要望がございましたら事前にお知らせください。	椅子 _____脚 追加照明 SP____灯	
搬入	車両による搬入の有無		車両使用 有（到着予定日時____日____時頃） ・ 無	
IWPPi展示付帯枠	参加権利者(1名) 氏名(所属・役職)	例)○○○○(△△大学院XX研究室 助手)		
請求書	宛先	担当者と異なる場合はご記入ください。		
	送付先			
☆ ご出展者様の機関のロゴをIWPPi2018広報媒体に掲載させていただきます。 ロゴデータもお送りいただきますようよろしくお願い致します。				
機関ロゴ	ロゴデータ	<ロゴデータご提供のお願い> 以下データを本申込書とともにiwppi@kpri.keio.ac.jpへご提出いただきますようお願い致します。 ① ロゴデータ（英語版） 2種・イラストレータ(拡張子eps・ai等)あるいは、300dpi以上のイメージデータ(拡張子jpg・psd等) ・PDFデータ(色彩確認のため) ② ロゴ規程(ある場合)		



◆Application form for IWPPi2018 Exhibition			
The information you enter in this application form will be used by IWPPi Secretariat to contact you regarding IWPPi2018 Exhibition. In addition, we will use logo data for publicity of IWPPi2018.			
Item		Entry field	Notes
Exhibitor Information	Name of Contact Person		
	Name of Organization		
	Position		
	Telephone		
	E-mail		
Exhibit Outline	Title of the Exhibit		ENGLISH : approx. 50words
	Collaborative Researchers		Example : ○○○○(△△ University XX laboratory associate prof.)
			□□□□(▽▽ Corp. XX Department Manager)
Exhibition Summary		Brief summary of the exhibit contents. ENGLISH: within 150words The summary will be used as a publicity medium of the IWPPi exhibition.	
Exhibits	Title of Exhibit 1		
	Exhibit size Width × Depth × Height (cm) and Weight (kg)		Display Table Size:180(W) × 60(D) × 70(H) cm with a white cloth If you need to store items in a locked place over night during IWPPi2018, please state so in the column.
	Required Electric Power: v/w and number of outlets Example: 100 v / 500 w (1 outlet) Example : One twisted type with grounding) ※There is no 3 or 4 outlets.		Standard set includes electric power 100v/max 200w If you need additional electricl power or a special type of outlet, please fill in what you need in the column. Please note that the cost for extra items will be charged in addition to the standard fee.
	Title of Exhibit 2		If your exhibits are more than three, copy and use these columns.
	Exhibit size Width × Depth × Height (cm) and Weight (kg)		
	Required Electric Power: v/w and number of outlets Example: 100 v / 500 w (1 outlet) Example : One twisted type with grounding) ※There is no 3 or 4 outlets.		Standard set includes electric power 100v/max 200w If you need additional electricl power or a special type of outlet, please fill in what you need in the column. Please note that the cost for extra items will be charged in addition to the standard fee.
Requests	Requests concerning exhibition		Please fill in your request in the entry field if there are any special requests such as chair, extra depth size for the display table, bringing in your own desk, etc. Please note that additional fixtures may cost extra.
Carrying in Exhibits	Please notify in advance if you carry in exhibits by car/truck.		

Privilege of One IWPPi2018 Participation	Information on the Participant using the Privilege	Name: Affiliation: Position: E-mail:	
Invoice	To		Fill in if different from the contact person above.
	Address and E-mail		
Institution Logo	Please send logo data (in English) of your institution with this application form. If you do not have an English version, please state so in the e-mail. An illustrator data (extension eps · ai etc.) or image data of 300 bpi or more (extension jpg · psd etc.) are preferred . Please also attach a PDF data for confirming colors. Provided data will be used only for the publicity of IWPPi2018.		



## General Information

[Home](#) > [General Information](#)

## Conference Information

### Workshop on Photonics Polymer for Innovation

**Date** : Oct. 15 (Mon) – 17 (Wed), 2018  
**Venue**: Hotel Beniya (2-7-21 Kogan-dori, Suwa, Nagano, 392-0027)

### Special Lectures (Joint Event of Suwa Area Industrial Messe and IWPPI)

**Date** : Oct. 18 (Thu) 13:00~15:40 (12:30~Admission)  
**Venue**: Suwa City Culture Center (5-12-18 Kogan-dori, Suwa, Nagano, 392-0027)  
**Language**: Japanese (Simultaneous Interpretation from Japanese to English will be provided.)

## Access

**Hotel BENIYA**  
2-7-21 Kogan-dori, Suwa, Nagano,  
392-8577 Japan

**Suwa City Culture Center**  
5-12-18 Kogan-dori, Suwa, Nagano,  
392-0027 Japan

Suwa Tourist Information :  
<http://www.suwakanko.jp/en/access/>



### Nearest International Airport: Haneda Airport and Narita Airport

#### From Narita Airport

Take the JR Narita Express to Shinjuku Station.  
From Shinjuku Station to Kami-suwa, by JR Chuo Main Line.

**Narita Express "N'EX"**  
<http://www.jreast.co.jp/en/nex/index.html>

#### From Haneda International Airport

Take the Keiky Line or Tokyo Monorail to Shinjuku Station.  
From Shinjuku Station to Kami-suwa, by JR Chuo Main Line.

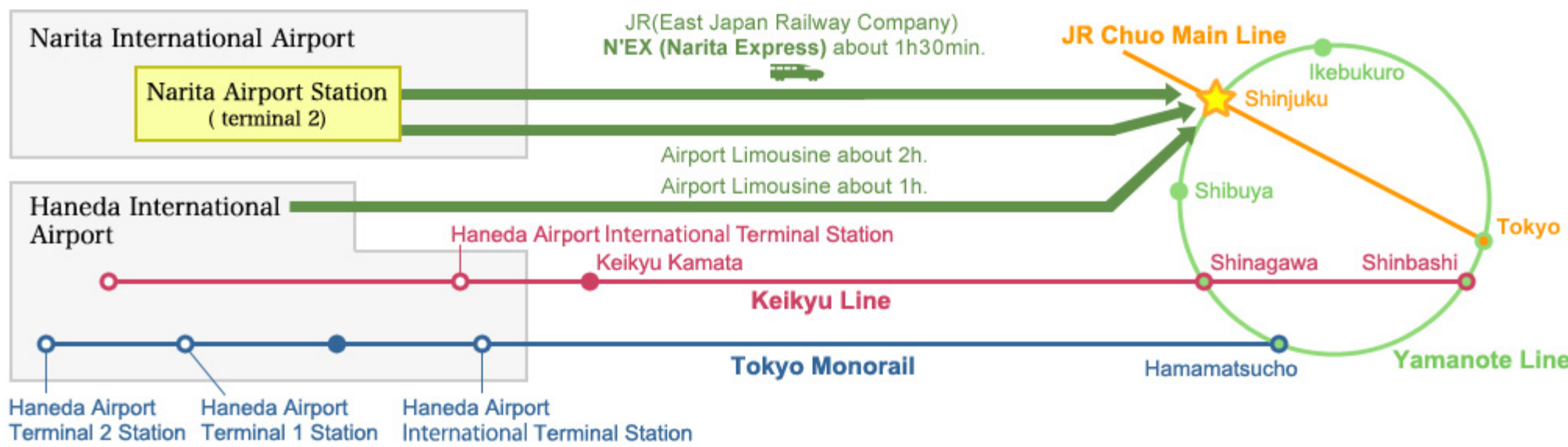
**From Haneda Airport to Shinjuku Station**  
<http://www.haneda-airport.jp/inter/en/access/train.html>  
[http://www.tokyo-airport-bldg.co.jp/en/access/train/route\\_map.html](http://www.tokyo-airport-bldg.co.jp/en/access/train/route_map.html)

### By Airport Limousine

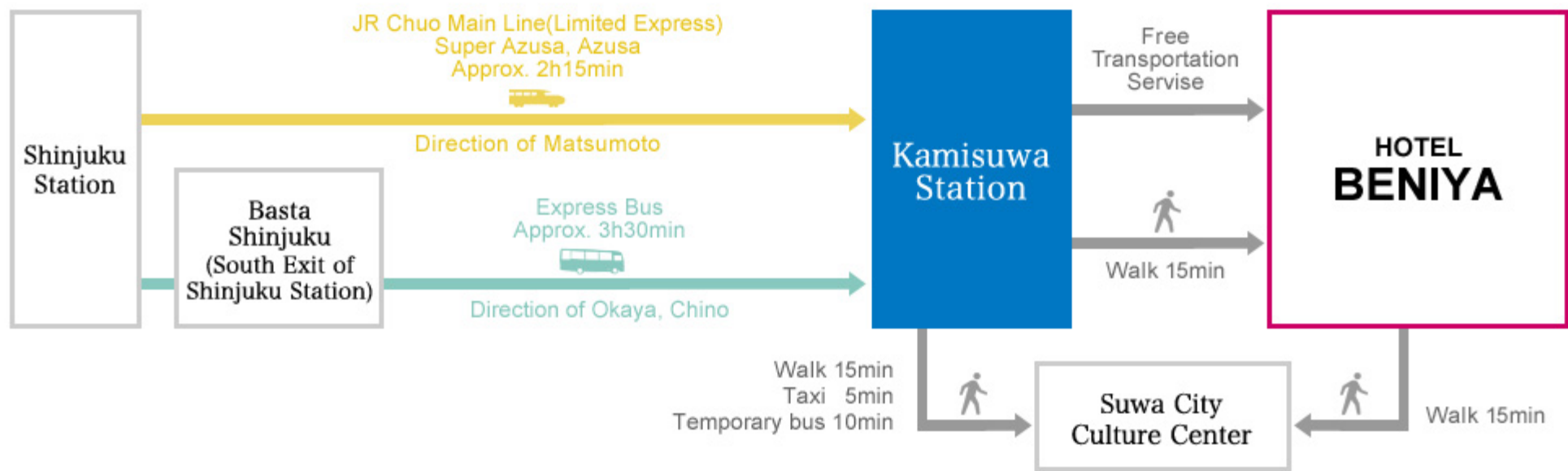
**From Narita Airport to Shinjuku Station**  
[https://www.limousinebus.co.jp/en/areas/bus\\_stop/nrt/shinjuku/dep/212/](https://www.limousinebus.co.jp/en/areas/bus_stop/nrt/shinjuku/dep/212/)

### By Airport Limousine

**From Haneda International Airport to Shinjuku Station**  
<https://www.limousinebus.co.jp/en/areas/detail/hnd/shinjuku/dep>



### From Shinjuku Sta. to IWPPI2018 venue "Hotel BENIYA"



#### Contact

**Secretariat of IWPPI**  
E-mail : [iwpipi@kpri.keio.ac.jp](mailto:iwpipi@kpri.keio.ac.jp)



## Hotel Information

[Home](#) > [Hotel Information](#)

The IWPPi2018 provides attendees special offers to experience a comfortable stay at Hotel Beniya (IWPPi2018 venue) and RAKO Hananoi Hotel at reasonable prices. If you wish to stay at either hotel, please make your reservation from websites below carefully checking dates, number of guests, meals (with/without breakfast, with/without dinner). We recommend you to make your reservation as soon as your trip is planned as special offers are served on a first-come first-served basis, and it is a high season in Suwa in October.

### <Recommended Hotels>

[Hotel Beniya](#) (IWPPi2018 venue)

Reservation

10 minutes walk from Kamisuwa Station of JR Chuo Line  
Free shuttle bus service is available from Kamisuwa Station East Exit to Hotel Beniya on arrival of Azusa (Limited Express).

[Rako Hananoi Hotel](#)

Reservation

10 minutes walk from Kamisuwa Station of JR Chuo Line  
Free shuttle bus service is available from Kamisuwa Station to Rako Hananoi Hotel on your request. (reservation)

\* Free shuttle buses between Hotel Beniya ↔ Rako Hananoi Hotel are available during Oct. 15 (Mon) afternoon – 17 (Wed).

### <Other Hotels and Ryokans (Japanese Style Hotels)>

There are many other hotels and ryokans (Japanese style hotels) around IWPPi2018 venue. You can also experience different types of accommodation.

#### ① [Hamanoyu](#)

4 minutes walk from Kamisuwa Station  
6 minutes walk from IWPPi venue

#### ② [Hotel Saginoyu](#)

6 minutes walk from Kamisuwa Station  
4 minutes walk from IWPPi venue

#### ③ [Suwako Hotel](#)

7 minutes walk from Kamisuwa Station  
5 minutes walk from IWPPi venue

#### ④ [Nunohan](#)

7 minutes walk from Kamisuwa Station  
3 minutes walk from IWPPi venue

#### ⑤ [Hotel Route Inn Kamisuwa](#)

4 minutes walk from Kamisuwa Station  
6 minutes walk from IWPPi venue

#### ⑥ [Suwa Lakeside Hotel](#)

17 minutes walk from Kamisuwa Station  
18 minutes walk from IWPPi venue

#### ⑦ [Chisun Inn Suwa IC](#)

14 minutes by car from Kamisuwa Station  
10 minutes by car from IWPPi venue

#### ⑧ [Hotel Route Inn Suwa Inter](#)

14 minutes by car from Kamisuwa Station  
10 minutes by car from IWPPi venue





## Organizing Committee

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In return, your company's name/logotype will be displayed at the coffee corner.

For applying, please contact IWPPI Secretariat ([iwppi@kpri.keio.ac.jp](mailto:iwppi@kpri.keio.ac.jp)).

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If you are interested to support us, please contact IWPPI Secretariat ([iwppi@kpri.keio.ac.jp](mailto:iwppi@kpri.keio.ac.jp)).



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