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Water Association



# The 9<sup>th</sup> International Symposium on Water Supply Technology

## in YOKOHAMA 2012

Data **November 20 (Tue) – 22 (Thu), 2012**

Venue **PACIFICO YOKOHAMA, Yokohama, Japan**

### SECOND CIRCULAR

Main Theme

## Resilient Water Supply System

### - Pursuing Safety, Sustainability and Environmental Friendliness

Organizing Committee The 9th International Symposium on Water Supply Technology Steering Committee

Steering Committee Japan Water Research Center, Yokohama Waterworks Bureau

# Greeting

Japan Water Research Center and Yokohama Waterworks Bureau will jointly hold the 9th International Symposium on Water Supply Technology from November 20th (Tue) to 22nd (Thu), 2012, in Yokohama City—the birthplace of the modern drinking water system in Japan. For over 20 years since the 1st symposium in 1988, this triennial event has served as an occasion for those in the industry to share and discuss the current water supply issues in the world as well as the latest technology trends.

Under the theme of “Resilient Water Supply System – Pursuing Safety, Sustainability, and Environmental Friendliness” and supported by the International Water Association, the 9th symposium is expected to attract people from different countries around the world. This year’s symposium will begin with a keynote speech, special lecture, and overseas reports by invited speakers from Asia, the U.S. and Europe, followed by presentations in three technical sessions related to cutting-edge water technologies and water governance/management. Based on the findings of these presentations, challenges and prospects of the world’s drinking water technology will be summarized in a general panel discussion.

Also, in the wake of the Great East Japan Earthquake on March 11, 2011, a special session will be held under the theme of “Toward Water Supply Systems Resistant to Earthquakes and Tsunami”.

Further, an exhibition will be co-located with the symposium, providing water utilities, businesses and other related organizations with an excellent opportunity to show the world Japan’s latest water supply technologies and to create business networks.

We sincerely look forward to your participation.



President, Japan Water Research Center  
Chairman, the 9th International Symposium on  
Water Supply Technology Steering Committee

**Masahiro Fujiwara**

## The 9th International Symposium on Water Supply Technology

## Steering Committee

### Chairman

**Masahiro Fujiwara** President, Japan Water Research Center

### Vice Chairman

**Kazunari Doi** Director General, Yokohama Waterworks Bureau

### Members

**Koichi Yokoyama** Director General, Kobe City Waterworks Bureau  
**Masaru Ozaki** Executive Director, Japan Water Works Association  
**Hiromichi Sakamoto** Executive Director, Federation of Japan Water Industries, Inc.  
**Gojo Wakamatsu** Director of Secretariat, Japan Small Scale Water Works Association  
**Kazuhiro Nishihara** President, Newspaper of Waterworks Industry  
**Masaru Shinomoto** President, Nippon Suido Shimibun Co.

### Coordinator

**Shinichiro Ohgaki** President, National Institute for Environmental Studies

### Subcommittee chairperson

**Hiroaki Furumai** Professor, The University of Tokyo Graduate School  
**Sadahiko Ito** Professor, Kyoto University Graduate School

### Advisors

**Hiroyuki Ishitobi** Director, Water Supply Division, Health Service Bureau, Ministry of Health, Labour and Welfare  
**Michihiro Akiba** Director, Department of Water Supply Engineering, National Institute of Public Health

## Program Committee

### Chairman

**Shinichiro Ohgaki** President, National Institute for Environmental Studies

### Members

**Michihiro Akiba** Director, Department of Water Supply Engineering, National Institute of Public Health  
**Mari Asami** Chief Senior Researcher, Water Management Section Department of Environmental Health, National Institute of Public Health  
**Haruo Ishii** Professor, Toyo University  
**Yoshinobu Ishibashi** Professor, Tohoku Gakuin University  
**Sadahiko Ito** Professor, Kyoto University Graduate School  
**Masaki Ito** Chief Senior Researcher, Water Management Section Department of Environmental Health, National Institute of Public Health  
**Taro Urase** Professor, Tokyo University of Technology  
**Tadashi Ota** Professor, Sakushin Gakuin University  
**Masahiro Otaki** Professor, Ochanomizu University  
**Naoyuki Kamiko** Professor, Ritsumeikan University  
**Toshiro Kamada** Professor, Osaka University Graduate School  
**Motoyuki Kamata** Associate Professor, Kanto Gakuin University



# The 9th International Symposium on Water Supply Technology

Organizing Committee: The 9th International Symposium on Water Supply Technology Steering Committee  
Supported by: International Water Association (IWA), Ministry of Health, Labour and Welfare, Japan Water Works Association, Japan Small Scale Water Works Association, Japan International Cooperation Agency, Japan International Corporation of Welfare Services, Japan Water Forum  
Co-supported by: Federation of Japan Water Industries, Inc., Association of Water and Sewage Works Consultants Japan, Nippon Suido Shinbun Co., Newspaper of Waterworks Industry

## Symposium Program

### Main Theme

Resilient Water Supply System  
-Pursuing Safety, Sustainability and Environmental Friendliness

### Technical Sessions

- Session 1 "Water Treatment Technology with Safety, Security and Environmental Friendliness"
- Session 2 "Pipeline Technology for Handing to the Next Generation"
- Session 3 "Governance and International Cooperation in Water Supply Field"
- Special Session "Toward Water Supply Systems Resistant to Earthquake and Tsunami"

### Data

November 20 (Tue) – 22 (Thu), 2012

### Venue

PACIFICO YOKOHAMA, Yokohama, Japan  
Minatomirai, Nishi-ku, Yokohama 220-0012, Japan

### Languages

Japanese and English (simultaneous interpretation available)

### Registration Fees

Members (JWRC or IWA)	30,000JPY
Non-members	50,000JPY
Students (as of the symposium period)	15,000JPY
*Consumption tax included	

## Exhibition

The exhibition is co-located for water utilities, businesses and other organizations to showcase their products and services. In addition to the latest water supply equipment and systems being introduced, PR activities of various projects, including the ones about environmental mitigation measures, will take place. Also, in light of the Great East Japan Earthquake, disaster prevention measures will be exhibited and other related events for the public will be organized.

Name	Water Yokohama 2012
Data	November 20 (Tue) – 22 (Thu), 2012
Venue	PACIFICO YOKOHAMA Symposium: Conference Center/ Exhibition: Exhibition Hall A
Entrance	Free

### ◆ Other

- Disaster Prevention Promotion Corner
- Exhibition booth tour for citizens
- How to "smartly" use tap water, etc.

**Katsuki Kimura** Associate Professor, Hokkaido University  
**Shoichi Kunikane** Professor, University of Shizuoka  
**Akira Koizumi** Professor, Tokyo Metropolitan University  
**Kiyoshi Kobayashi** Professor, Kyoto University Graduate School of Management  
**Satoshi Takizawa** Professor, The University of Tokyo Graduate School  
**Hiroshi Tsuno** Professor, Osaka Sangyo University  
**Hiroshi Nagaoka** Professor, Tokyo City University  
**Kenji Fujita** Emeritus Professor, the University of Tokyo  
**Yasutaka Fujimoto** Associate Professor, Yokohama National University  
**Hiroaki Furumai** Professor, The University of Tokyo Graduate School  
**Yoshihiko Hosoi** Professor, Tottori University Graduate School  
**Yasumoto Magara** President, Educational Foundation Tokiwamatsu Gakuen  
Visiting Professor, Center for Environmental Nano and Bio Engineering in Hokkaido University

**Yoshihiko Matsui** Professor, Hokkaido University Graduate School  
**Hideto Matsuyama** Professor, Kobe University Graduate School  
**Masakatsu Miyajima** Professor, Kanazawa University  
**Takeo Moniwa** Emeritus Professor, Tokai University  
**Yoshimasa Watanabe** Professor, Center for Environmental Nano and Bio Engineering in Hokkaido University  
**Paul Fleming** Manager, Climate and Sustainability Group, Seattle Public Utilities  
**Tran Thi Minh Tam** Thua Thien Hue Construction and Water Supply State one member Company Limited (HueWACO)  
**Hui Zhao** Director-General, Department of Rural Development, Ministry of Housing, Urban & Rural Development, P.R. China

**Suing-il Choi** Dean, College of Science and Technology, Korea University  
**Gertjan Medema** Professor, KWR Watercycle Research Institute, Delft University of Technology  
**Robert Bos** Coordinator, Water Sanitation and Health, World Health Organization  
**Misko Cubrinovski** Professor, Department of Civil and Natural Resources Engineering University of Canterbury  
**Yu Shuili** Professor, Tongji University

**Professor, Hokkaido University Graduate School**  
**Professor, Kobe University Graduate School**  
**Professor, Kanazawa University**  
**Emeritus Professor, Tokai University**  
**Professor, Center for Environmental Nano and Bio Engineering in Hokkaido University**  
**Manager, Climate and Sustainability Group, Seattle Public Utilities**  
**Thua Thien Hue Construction and Water Supply State one member Company Limited (HueWACO)**  
**Director-General, Department of Rural Development, Ministry of Housing, Urban & Rural Development, P.R. China**  
**Dean, College of Science and Technology, Korea University**  
**Professor, KWR Watercycle Research Institute, Delft University of Technology**  
**Coordinator, Water Sanitation and Health, World Health Organization**  
**Professor, Department of Civil and Natural Resources Engineering University of Canterbury**  
**Professor, Tongji University**

# Symposium Program

## November 20 (Tue)

**I Opening** Greetings by the organizer and guests (10:00-10:20)

**I Keynote Speech** (10:20-11:00)



**Akira Koizumi**

(Professor, Tokyo Metropolitan University)

**Brief personal history:**

Born in 1947. Doctor of Engineering. Professional Engineer (specializing in water and sewage)  
March 1971 Graduated from the Department of Civil Engineering, Faculty of Engineering,  
Tokyo Toritsu University  
April 1994 Professor, Faculty of Engineering, Tokyo Toritsu University  
April 2005 Professor, Faculty of Urban Environmental Sciences, Tokyo Metropolitan University  
April 2010 Executive Director, Urban Sciences Collaboration Institution,  
Tokyo Metropolitan University  
April 2012 Councilor, Project Professor, Tokyo Metropolitan University

**Specialty:** Water; Environmental System Engineering

**I Special Lecture** (11:00-11:40)



**Dr. Glen T. Daigger**

(Ph.D., P.E., BCEE, NAE)

Dr. Daigger, after earning a doctoral degree at Purdue University, U.S.A., joined CH2M HILL, a major private company, in 1979, where he is currently Senior Vice President and Chief Technology Officer. He has been President of the International Water Association (IWA) since September 2010. He is a specialist in sewage treatment and water quality management and has held major posts in the Water Environment Research Foundation (WERF) and other organizations. Dr. Daigger is also a member of the National Academy of Engineering (NAE).

**I Presentations by Invited Speakers** (13:00-17:10)

**Chair: Satoshi Takizawa** (Professor, the University of Tokyo Graduate School)

**Mr. Paul Fleming** (USA)

Manager, Climate and Sustainability Group, Seattle Public Utilities

**Ms. Tran Thi Minh Tam** (Vietnam)

Thua Thien Hue Construction and Water Supply State one member Company Limited (HueWACO)

**Dr. Shuili Yu** (China)

College of Environmental Science and Engineering Tongji University

**Dr. Suing-il Choi** (South Korea)

Dean, College of Science and Technology, Korea University

**Prof. Gertjan Medema** (Netherlands)

KWR Watercycle Research Institute, Delft University of Technology

**Mr. Robert Bos** (WHO (Switzerland))

Coordinator, Water Sanitation and Health, World Health Organization

**I Reception** (18:30-20:30)

**Venue:** YOKOHAMA ROYAL PARK HOTEL 3F Grand Ballroom: HOH-SHOH

**Address:** 2-2-1-3 Minato Mirai, Nishi-ku, Yokohama, 220-8173

**URL:** <http://www.yrph.com/>

## November 21 (Wed)

**I Special Session "Toward Water Supply Systems Resistant to Earthquake and Tsunami** (9:00-10:30)

**Chair: Masakatsu Miyajima** (Professor, Kanazawa University)

**Kazuya Kumagai**

Director, Water Supply Planning Guidance Office, Water Supply Division, Health Service Bureau, Ministry of Health, Labour and Welfare

**Junichi Takagi**

Deputy Technology Director, Ishinomaki Region Wide Area Water Supply Company Association

**Prof. Misko Cubrinovski**

Department of Civil and Natural Resources Engineering University of Canterbury

**Masakatsu Miyajima**

Professor, Faculty of Environmental Design, Institute of Science and Engineering, Kanazawa University

**I Short Presentation** (11:00-12:00)

Held in respective section meeting venues: Presentation time will be 4 minutes per title; 10 titles scheduled for each section meeting.

**I Youth Water Specialist Program ~ Colorful Young Water Professionals in Japan ~** (10:45 ~ 12:15)

This is the presentation by Japan-YWP, a subsidiary of the IWA Japan National Committee, to promote the activities of young people in the industry-government-academia water supply community and share thoughts concerning the future of the water supply in Japan.

**I 2012 Japan-China Water Supply Technology Symposium** (Option)

**I Poster Session** (12:00-13:30)

## I Technical Sessions (13:30-18:00)

### Session 1 “Water Treatment Technology with Safety, Security and Environmental Friendliness”

Chair: Sadahiko Ito (Professor, Kyoto University Graduate School)

• The Environmentally-friendly Effects of Biotreatments in Osaka Water Supply Authority	Osaka Water Supply Authority	Yasuharu Takeda
• Characterization of ammonia-oxidizing archaea and bacteria on granular activated carbon and their fates along purification process in different drinking water purification plants	The University of Tokyo	Jia Niu
• Future Prospects for Research and Development of Water Treatment Technologies towards Improvement of Drinking Water Quality	Hanshin Water Supply Authority	Masami Oya
• Reduction of Chlorinous Odor by the Combination of Oxidation and Ion-Exchange Treatments	Kyoto University	Shinya Echigo
• Assessment of membrane fouling potential of surface water using advanced organic characterization techniques	Hokkaido University	Ken Tanaka
• Antibacterial Property of Polyvinylchloride (PVC) Composite Membranes Modified with Ag-embedded TiO <sub>2</sub> Nanoparticles	Harbin Engineering University (China)	Fangbo Zhao
• Study On The Removal Efficiency Of Humic Acid By Photocatalytic Membrane Reactor	Tongji University (China)	Shuili Yu
• The study of applying the hybrid MF membrane system for the treatment of high-color surface water in Thailand	MAEZAWA Industries, Inc.	Tatsuhiko Suzuki
• Chlorine requirement for biologically stable drinking water after nanofiltration	Kyoto University	Yumiko Ohkouchi
• Quantitative Microbial Risk Assessment of Drinking Water Treated with Advanced Water Treatment Process	Kyoto University	Liang Zhou
• Drinking Water Treatment Technologies in Europe: State of the Art - Vulnerabilities - Research Needs	Delft University of Technology (Netherlands)	Jan Peter van der Hoek
• Radioactive Iodine Removal through the Combined Use of Pre-Chlorination and Powdered Activated Carbon	Bureau of Waterworks, Tokyo Metropolitan Government	Tomo Oikawa
• Formation of vinyl chloride as a disinfection by-product	Chiba Prefectural Waterworks Bureau	Yoshiyuki Seimiya

### Session 2 “Pipeline Technology for Handing to the Next Generation”

Chair: Hiroshi Nagaoka (Professor, Tokyo City University)

• A Long Term Planning of Water Pipeline Rehabilitation Considering Preventive Maintenance	Tokyo Metropolitan University	Mincheol Kim
• Optimal Scheduling of Replacement and Renovation of Water Distribution Systems Using Genetic Algorithm	Kyoto University (Korea)	Hwisu Shin
• Life Cycle Cost Analysis of Pipe Network Rehabilitation and Expansion in Makassar-Indonesia	Tokyo Metropolitan University	Bambang Bakri
• A Study of Analysis on Hydraulic and Structural Influence Factors in Leakage Level by Blocks	University of Seoul (Korea)	Taeho Choi
• Energy Recovery Potential within the Water Supply Network in Ireland using Micro-Hydropower Turbines: Analysis of Case Studies	Trinity College Dublin (Ireland)	Lucy Corcoran
• Energy-saving distribution control algorithm based on online hydraulic simulation	Hitachi, Ltd.	Shingo Adachi
• Embarking on a Smart Water Supply Network	Public Utilities Board (Singapore)	Eng Keong Ong
• Water supply characteristics in an interruption condition according to the mode of connection at the dual water pipe system	Dankook University (Korea)	Dooil Kim
• Development of Comprehensive Evaluation Procedure for Seismic Strategies	KOBE City Waterworks Bureau	Kyohei Sakaki
• Kobe City Seismic Improvement Performance from the Customer's Viewpoint-	Osaka Water Supply Authority	Takeshi Tamura
• Seismic Design for Water Distribution Pipeline Crossing the Uemachi Fault	Kanazawa University	Mohammad Hossein Erami
• Vertical Transverse Load of Soil on Fault Crossing Segmented Buried Ductile Iron Pipeline	Nippon Jogesuido Sekkei Co., LTD	Takaki Suto
• Earthquake Proofing of Drinking Water Facilities Using Seismic System Risk Analysis		

### Session 3 “Governance and International Cooperation in Water Supply Field”

Chair: Hiroaki Furumai (Professor, The University of Tokyo Graduate School)

• Enhancing the resilience of water supply system by rainwater management: A case study at the Starcity Rainwater System at Seoul, Korea.	Seoul National University (Korea)	Mooyoung Han
• Declaration of Safe Water in Vietnam and Initiatives to Expand Success through Tie-ups between Waterworks Business Organizations	Water Works Bureau, City of Yokohama	Yoshinari Shiota
• Management Capacity Enhancement of South Sudan Urban Water Corporation in Juba-station	Tokyo Engineering Consultants Co., Ltd.	Hayato Nakazono
• Disaster Relief Activity For The Flood In Thailand	Osaka Water Supply Authority	Ken Koseki
• Household survey of installation and treatment efficiency of Point-of-Use water treatment systems in Hanoi, Vietnam	Graduate School of Engineer, The University of Tokyo	An Thuan Do
• Development of Performance Assessment Method for Drinking Water Infrastructure	Japan Water Research Center	Yasuhiro Suzuki
• An Examination of Effective Forms of Two-Way Communication for Building a Consensus on Waterworks Policies	Yahaba town	Ritsuji Yoshioka
• Changes in Public Awareness in the Aftermath of the Tohoku Earthquake and Yokohama Water Works Bureau Initiatives	Yokohama Waterworks Bureau	Akiko Takeuchi
• Radioactive Iodine in Tap Water and Residential WaterPurification Systems	Japan Food Research Laboratories	Hiroshi Shimauchi
• Effectiveness of Switchover from Overall Replacement to Reuse-oriented Replacement of Pumps	Yokohama Waterworks Bureau	Masaki Onodera
• Energy Conserving Water Distribution utilizing Distribution Reservoir Inflow Pressure	Bureau of Waterworks, Tokyo Metropolitan Government	Shigeru Isozaki
• Research on Minimizing Electric Power Usage in the Water Distribution System	Tokyo Metropolitan University	Yasuhiro Arai

## November 22 (Thu)

### I Session Reports: Chairs for Each Session (9:00-10:20)

Special Session	Chair: Masakatsu Miyajima (Professor, Kanazawa University)
Session 1	Chair: Sadahiko Ito (Professor, Kyoto University Graduate School)
Session 2	Chair: Hiroshi Nagaoka (Professor, Tokyo City University)
Session 3	Chair: Hiroaki Furumai (Professor, The University of Tokyo Graduate School)

### I General Panel Discussion (10:20-11:50)

Chair: Shinichiro Ohgaki (President, National Institute for Environmental Studies)

### I Closing: Farewell Speech (11:50-12:00)

### I Technical Tour

[ Visit to Kawai Water Purification Plant/Renewal Project] (Option)

2,000 yen (Tax-inclusive fee per person)  
Maximum Enrollment 80 (first-come first-served basis)



# Registration

## I Registration Fees

Category	Registration Fee
Member* (JWRC or IWA)	30,000 yen
Non-member	50,000 yen
Student** (as of symposium period)	15,000 yen

\* [Members] organizations, companies, or individuals who are members of JWRC or IWA

\*\* [Students] those who are enrolled in school during the symposium period.

Please bring and present your student ID at the registration desk on site.

## I Registration Deadline Online Registration Deadline: September 30, 2012 (Sun)

## I Payment Method

- Please make the payment in Japanese yen via bank transfer or credit card.
- Payment must be made within 1 month of online registration.

### Bank Transfer

- Please make the transfer to the bank account specified on the last page of online registration or in the email sent upon completion of online registration.
- Bank transfer fee must be paid by the participant.
- Please make the transfer with the participant's name and application number.
- If you wish to transfer the fee for a group of participants all together, please contact the registration desk.

### Credit Card

- American Express, VISA, MasterCard, Diners, JCB can be used.

## I Registration Confirmation/Receipt

- Upon completing the registration, you can acquire the "Registration Confirmation" and "Receipt" from the online registration system. For those who selected bank transfer, the registration desk will email you to inform that you can print them out after we have confirmed the transfer.
- Please print out the "Registration Confirmation" and present it at the registration desk on site. (The "Registration Confirmation" can be printed out during the symposium period as well.)
- The "Receipt" can be downloaded only once. Any change for "Receipt" can be made and reissued in exchange for the downloaded copy at the registration desk on site. Please be sure to bring the downloaded "Receipt".

## I Changing/Cancelling Registration Contents

To change/cancel registration, please email the registration desk below.  
Please note that no refund will be available for payments already made.

## I Please contact below for any inquiries regarding registration:

### Registration Desk

for

The 9th International Symposium on Water Supply Technology  
c/o Japan Convention Services, Inc.

Koshin Building 2F 2-2 Kanda Nishiki-cho, Chiyoda-ku, Tokyo

TEL: +81-3-3508-1251 FAX: +81-3-5283-5952

E-mail: reg-water2012@convention.co.jp

\* Secretariat desk opening hours: 10 am – 5 pm. Closed on Saturdays, Sundays, and national holidays

## Technical Tour (Option)

A technical tour is scheduled after the symposium on Thursday, November 22, 2012. We look forward to your participation. Please note, however, that registration will close when the maximum number is reached.

### Visit to the Kawai Purification Plant / Redevelopment Project

Participation fee: ¥ 2,000 (tax included) Maximum number of participants: 80

The participants will visit a compact water power generation device in operation in the Kawai Purification Plant as well as the Plant Redevelopment Project that utilizes water pressure of the gravity-flow Doshi River system for membrane filtration.

Time required: About 4 hours



Kawai Purification Plant and the Redevelopment Project site



Compact water power generation device



Scene of the Kawai Purification Plant redevelopment project (As of April 2012)

\* Please be forewarned that participation fees cannot be refunded in the event of cancellation.

## Accommodation

Please check below and make early reservations.

### List of hotels:

No	Hotel name	Rate (per room)				Address/Phone
		Single (One person per room)		Twin (Two people per room)		
		Without breakfast	With breakfast	Without breakfast	With breakfast	
1	Intercontinental Hotel Yokohama Grand	*¥17,850	*¥19,950	¥21,000	¥25,200	1-1-1 Minatomirai, Nishi Ward, Yokohama City, Kanagawa Pref. Tel: 045-223-2222
2	Pan Pacific Yokohama Bay Hotel Tokyu	*¥16,800 (11/18-21)	*¥18,900 (11/18-21)	¥16,800 (11/18-21)	¥21,000 (11/18-21)	2-3-7 Minatomirai, Nishi Ward, Yokohama City, Kanagawa Pref. Tel: 045-682-2222
		*¥21,000 (11/22)	*¥23,100 (11/22)	¥21,000 (11/22)	¥25,200 (11/22)	
		*¥35,700 (11/23)	*¥37,800 (11/23)	¥35,700 (11/23)	¥39,900 (11/23)	
3	Navios Yokohama	¥8,400 (11/18-21)	¥9,450 (11/18-21)	¥15,750 (11/18-21)	¥17,850 (11/18-21)	2-1-1 Shinko, Nishi Ward, Yokohama City, Kanagawa Pref. Tel: 045-633-6000
		¥9,450 (11/22-23)	¥10,500 (11/22-23)	¥17,850 (11/22-23)	¥19,950 (11/22-23)	
4	Hotel New Otani Yokohama	*¥13,000	*¥15,000	¥14,000	¥18,000	1-1-7 Sakuragi-cho, Naka Ward, Yokohama City, Kanagawa Pref. Tel: 045-210-0707
5	Yokohama Sakuragicho Washington Hotel	¥9,450	¥10,500	¥14,700	¥16,800	1-101-1 Sakuragi-cho, Naka Ward, Yokohama City, Kanagawa Pref. Tel: 045-683-3111
6	Breezbay Resort & Spa Hotel	¥8,500	¥10,000	¥11,000	¥14,000	1-22-2 Hanasaki-cho, Naka Ward, Yokohama City, Kanagawa Pref. Tel: 045-253-5555
7	Comfort Hotel Yokohama Kannai	—	¥8,500	—	¥14,000	3-33 Sumiyoshi-cho, Naka Ward, Yokohama City, Kanagawa Pref. Tel: 045-650-4711
8	Hotel Route-Inn Yokohama Bashamichi	—	¥6,900	—	¥12,200	4-53-1 Bentendori, Naka Ward, Yokohama City, Kanagawa Pref. Tel: 045-227-8911

◆ The above rate is per room per night (inclusive of service charges and taxes). ◆ The rate marked with an asterisk (\*) is for a twin or double bedroom for a single person.

### How to make the reservation:

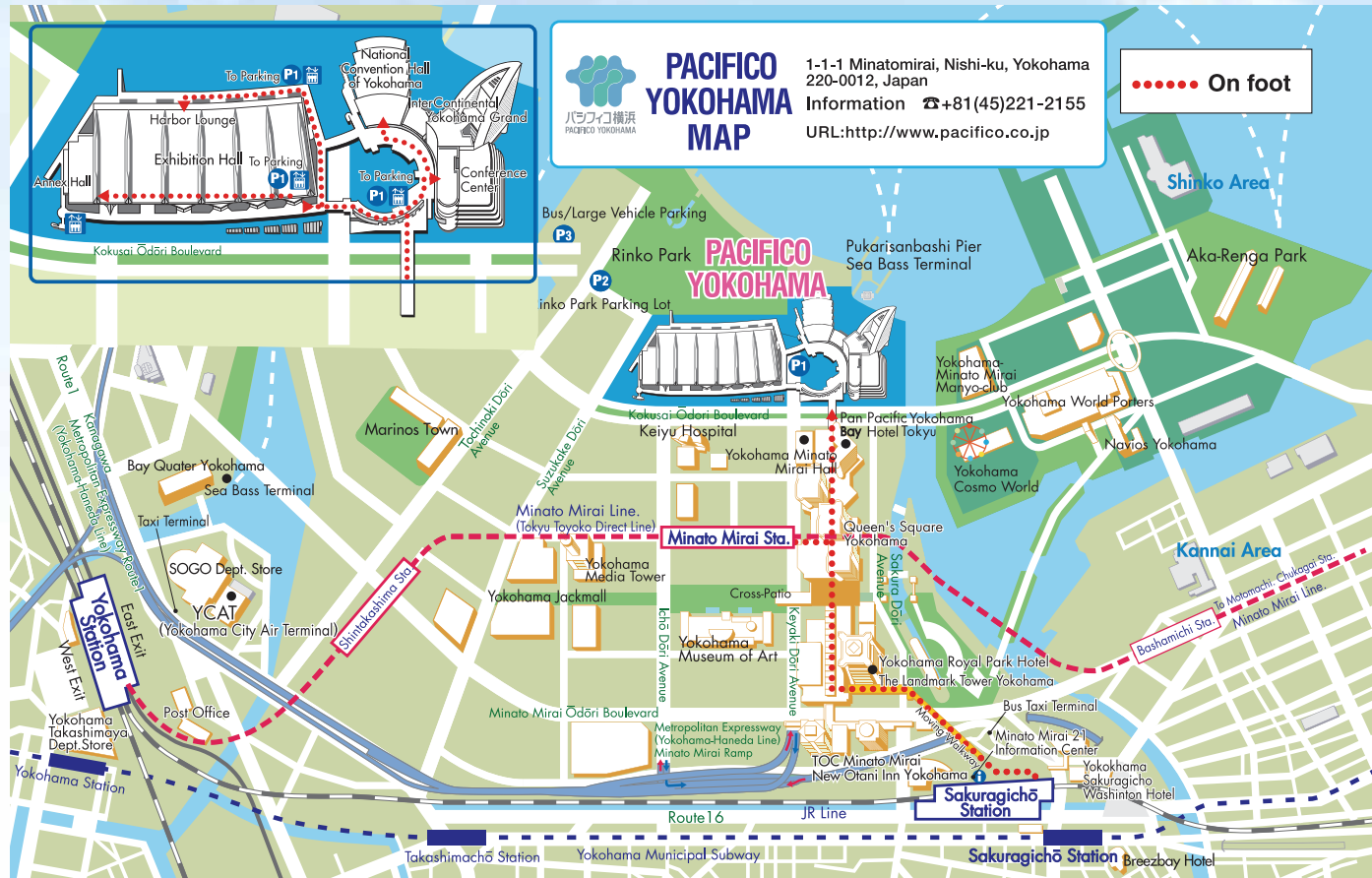
Please fill in the required information and make the reservation online.  
For reservations, the reservation fee will be charged (per room per night).  
The reservation deadline is Friday, October 26, 2012.

### Contact for reservations and inquiries:

JTB Global Marketing & Travel Inc. The 9th International Symposium on Water Supply Technology in Yokohama 2012  
Inquiries may be made between 10 am and 5:30 pm except Saturdays, Sundays, and national holidays.  
2-3-11 Higashi Shinagawa, Shinagawa Ward, Tokyo 140-8604  
FAX: (03) 5495-0685 Tel: (03) 5796-5445 Email: water2012@gmt.jtb.jp



## Access



### How to get to PACIFICO Yokohama

By Air	Haneda Airport	Airport Limousine Bus (35min, for PACIFICO YOKOHAMA)		by Taxi	
		Airport Limousine Bus	30min.	7min.	
By Train	Narita Airport	JR Narita Express (120min, for PACIFICO YOKOHAMA)		Minato Mirai Line	
		Airport Limousine Bus	90min.	3min.	
By Train	Shin Yokohama Station	Tokyu Toyoko Line : Limited Express (Direct link to Minato Mirai Line)		on foot	
		JR Tokaido Line		3min.	
		JR Yokohama Line Kikuna Station 3min. Tokyu Toyoko Line		3min.	
		JR Yokohama Line		3min.	
By Car	Metropolitan Expressway	Toward Yokohama (via Bay Bridge), Bay Shore Route B ▶ K-1		Sakuragicho Station	
		Toward Yokohama Park, Kanagawa Route K-1		on foot	
		Hodogaya Bypass 15min. ▶ Kariba IC ▶ Metropolitan Expressway 10min.		12min.	
By Car	Tomei Expressway Yokohama Machida IC	Toward Yokohama K-1		by Bus	
		Toward Yokohama K-1		7min.	
By Car	Tomei Expressway Yokohama Machida IC	Toward Yokohama K-1		by Taxi	
		Toward Yokohama K-1		5min.	
By Car	Tomei Expressway Yokohama Machida IC	Toward Yokohama K-1		Minato Mirai Exit	
		Toward Yokohama K-1		3min.	

### The 9th International Symposium on Water Supply Technology Steering Committee Administration Office

**JWRC**

#### Japan Water Research Center

Toranomon Denki Bldg., 2-8-1 Toranomon, Minato-ku, Tokyo, 105-0001 TEL: +81-3-3597-0214 FAX: +81-3-3597-0215  
E-mail: sympo\_9th@jwrc-net.or.jp URL: <http://www.jwrc-net.or.jp/english> URL: <http://www.jwrc-net.or.jp/aswin/en>



#### Yokohama Waterworks Bureau

1-1 Minato-cho, Naka-ku, Yokohama 231-0017 TEL: +81-45-671-3119 (Planning Division) FAX: +81-45-663-8820  
E-mail: su-keikaku@city.yokohama.jp URL: <http://www.city.yokohama.lg.jp/suidou/langage/english>



#### Japan Convention Services, Inc.

Daido Seimei Kasumigaseki Bldg. 18F 1-4-2 Kasumigaseki, Chiyoda-ku, Tokyo 100-0013 TEL: +81-3-3508-1246 FAX: +81-3-3508-1710  
E-mail: inquire-wst@convention.co.jp URL: <http://www.jcs-pco.com>