

# VI REFERENCE

# 1. History

## 1) Conference

## The 1st Conference on Public Works Research and Development in Asia

Duration	February 15, 1993 - February 26, 1993
Place	Public Works Research Institute, MOC
Program	<p>Keynote Lecture</p> <ol style="list-style-type: none"> <li>1) Infrastructure Policies for Economic and Social Development of Asian Countries by Prof. Fumio Nishino, University of Tokyo</li> <li>2) Progress of Civil Engineering and Its Contribution to Economic and Social Development in Modern Japan — PWRI's 70 Years and Perspective — by Mr. Yukihiro Sumiyoshi, Director-General, Public Works Research Institute</li> <li>3) The Role of Research and Technology Development in International Technical Cooperation by Mr. Hiroaki Tamamitsu, Vice President, Japan Construction Training Center</li> </ol> <p>Country Report</p> <ol style="list-style-type: none"> <li>1) Outline of Country</li> <li>2) Public Works System</li> <li>3) Description of the Department/Institute in charge of R&amp;D of Public Works</li> <li>4) Major R&amp;D projects in the Department/Institute</li> <li>5) International Research Exchange Programmes in the Department/Institute</li> <li>6) Activities concerning "Disaster and Disaster Prevention"</li> <li>7) Activities concerning "Harmony between the Environment and Improvement of Infra."</li> </ol> <p>Subject of Common Interests on "Future Perspective for R&amp;D of Disaster Prevention Techniques against Disaster caused by Rainfall"</p> <ol style="list-style-type: none"> <li>1) River-Related Disaster</li> <li>2) Sediment-Related Disaster</li> </ol> <p>Specific Subjects</p> <ol style="list-style-type: none"> <li>1) Sedimentation of Dam Reservoir (China, Japan)</li> <li>2) Water Pollution Control (Indonesia, Japan)</li> <li>3) River Environment (Korea, Japan)</li> <li>4) Soil Improvement (Thailand, Japan)</li> <li>5) Tunnel (Singapore, Thailand, Japan)</li> <li>6) Volcanic Disaster, Debris Flow and Road Disaster Prevention (Malaysia, Philippines, Japan)</li> <li>7) River (China, Japan)</li> <li>8) Water Quality (Korea, Japan)</li> <li>9) Soil Mechanics and Foundation Engineering, Traffic Engineering (Malaysia, Thailand, Japan)</li> <li>10) Pavement (Philippines, Singapore, Thailand, Japan)</li> <li>11) Highway Bridges (Philippines, Japan)</li> </ol> <p>Study Tour</p> <p>Hokkaido (Shin-Chitose Airport, CERI, Muroran Hakucho-Bridge, Seikan-Tunnel etc.)</p> <p>Kanto (Trans-Tokyo Bay Highway, Miyagase-Dam)</p>
Participants	Overseas: 8, Japan:37, Guests:35 (Overseas:5, Japan:30)

## The 2nd Conference on Public Works Research and Development in Asia

Duration	November 15, 1993 - November 26, 1993
Place	Public Works Research Institute, MOC
Program	<p>Keynote Lecture</p> <ol style="list-style-type: none"> <li>1) Role of Civil Engineers for Sustainable Development by Mr. Atsushi Hamamori, President, Japan Overseas Consultants Co. Ltd.</li> <li>2) Socio-Economic Development and Construction Technology Transfer by Mr. Yukihiro Sumiyoshi, Director-General, Public Works Research Institute</li> <li>3) Research in Japan -Focusing Civil Engineering- by Prof. Hiroyoshi Shi-igai, University of Tsukuba</li> </ol> <hr/> <p>Country Report</p> <ol style="list-style-type: none"> <li>1) Outline of Country</li> <li>2) Public Works System</li> <li>3) Description of the Department/Institute in charge of R&amp;D of Public Works</li> <li>4) Major R&amp;D projects in the Department/Institute</li> <li>5) International Research Exchange Programmes in the Department/Institute</li> </ol> <hr/> <ul style="list-style-type: none"> <li>• Subject of Common Interests on "Disaster and Disaster Prevention" <ol style="list-style-type: none"> <li>1) Comprehensive Countermeasure against Floods</li> <li>2) Countermeasure against Highway Slope Failure</li> </ol> </li> <li>• Subject of Common Interests on "Harmony between the Environment and Improvement of Infrastructure" <ol style="list-style-type: none"> <li>1) Measures for Water Quality Control of Reservoirs and Rivers</li> <li>2) Countermeasures against Air Pollution and Noise caused by Road Traffics in Urban Areas</li> </ol> </li> </ul> <hr/> <p>Specific Subjects</p> <ol style="list-style-type: none"> <li>1) Debris Flow (China, Philippines, Japan)</li> <li>2) Materials of the Highway Bridges -Concrete- (Indonesia, Japan)</li> <li>3) Flood Control (Korea, Japan)</li> <li>4) Care for the Rivers (Malaysia, Japan)</li> <li>5) Utilization of the Underground Space (Singapore, Japan)</li> <li>6) Air Pollution (Thailand, Japan)</li> <li>7) Materials of the Pavement (Indonesia, Japan)</li> <li>8) Environment Improvement -Water Quality Control- Korea, Thailand, Japan)</li> <li>9) Creation of the River Environment (Malaysia, Japan)</li> <li>10) Traffic Management (Singapore, Japan)</li> </ol> <hr/> <p>Study Tour</p> <p>Chugoku-Shikoku (Seto-Ohashi)</p> <p>Kyushu (Yoshinogari Historical Park, Rokkaku River, Mt.Unzen etc.)</p> <p>Kanto (Trans-Tokyo Bay Highway)</p>
Participants	Overseas: 7, Japan:41, Guests:60 (Overseas:7, Japan:53)

### The 3rd Conference on Public Works Research and Development in Asia

Duration	October 17, 1994 - October 28, 1994
Place	Public Works Research Institute, MOC
Program	<p>Keynote Lecture</p> <ol style="list-style-type: none"> <li>1) Viewpoints on Panama Canal Alternative Study by Dr. Akira Ishido, Managing Director, Yachiyo Engineering Co. Ltd.</li> <li>2) Vision of Construction Technical Research and Development to the 21st Century by Dr. Takashi Iijima, Director-General, Public Works Research Institute</li> <li>3) Economic Growth, Infrastructure Development and International Cooperation in Asian Countries by Prof. Yuzo Akatsuka, Saitama University</li> </ol> <p>Trend of Public Works Research and Development</p> <ol style="list-style-type: none"> <li>1) Role and Outline of Research Organization in Public Works</li> <li>2) Activities and Topics of Research and Development in Research Organization</li> <li>3) Research Management (Implementation of Research, Mid-term or Annual Research Plan, Research Budget, Improvement of Researcher)</li> </ol> <ul style="list-style-type: none"> <li>• Subject of Common Interests on "Environmental Policy of Rivers, Lakes and Marshes" (Improvement of Water Quality, Infrastructure Development with Considerations for the Environment)</li> <li>• Subject of Common Interests on "Infrastructure Development in the field of Roads" (Establishment of Road Network, Maintenance and Management of Roads such as Pavement and Bridge)</li> </ul> <p>Specific Subjects</p> <ol style="list-style-type: none"> <li>1) Flood Control (Bangladesh, India Indonesia, Thailand, Japan)</li> <li>2) Highway Planning, Traffic System (China, Korea, Japan)</li> <li>3) Soil Improvement (Malaysia, Japan)</li> <li>4) Water Pollution Control (Philippines, Thailand, Japan)</li> <li>5) Volcanic Disaster, Debris Flow (Indonesia, Japan)</li> <li>6) Geological Survey (Malaysia, Japan)</li> <li>7) Water Quality for Drinking (Philippines, Japan)</li> </ol> <p>Study Tour</p> <p>Kinki (Akashi Kaikyo Ohashi, Osaka Bay Highway, Kansai International Airport, Asuka Historical Park, Otaki Dam)</p>
Participants	Overseas: 9, Japan:36, Guests:65 (Overseas:7,Japan:58)

### The 4th Conference on Public Works Research and Development in Asia

Duration	September 25, 1995 - October 4, 1995
Place	Public Works Research Institute, MOC
Program	Trend of Public Works Research and Development 1) Role and Outline of Research Organization in Public Works 2) Activities and Topics of Research and Development in Research Organization 3) Research Management (Implementation of Research, Mid-term or Annual Research Plan, Research Budget, Improvement of Researcher)
	Subject of Common Interests on " Research and Development for Natural Disaster Reduction"
	Specific Subjects 1) Flood Control (Bangladesh, India, Indonesia, Thailand, Japan) 2) Highway Planning, Traffic System (China, Korea, Japan) 3) Soil Improvement (Malaysia, Japan) 4) Water Pollution Control (Philippines, Thailand, Japan) 5) Volcanic Disaster, Debris Flow (Indonesia, Japan) 6) Geological Survey (Malaysia, Japan) 7) Water Quality for Drinking (Philippines, Japan)
	Study Tour Kinki (Akashi Kaikyo Ohashi, Osaka Bay Highway, Kansai International Airport, Asuka Historical Park, Otaki Dam)
Participants	Overseas: 9, Japan: 36, Guests: 65 (Overseas: 7, Japan: 58)

**The 5th Conference on Public Works Research and Development in Asia**

Duration	October 25, 1996 - October 22, 1996										
Place	Public Works Research Institute, MOC										
Program	<p>Keynote Lecture</p> <ol style="list-style-type: none"> <li>1) Case Study from my Overseas Work by Dr. Yorio MURAKAMI, Vice President, Kawasaki Geological Engineering Ltd.</li> <li>2) Report on the Disaster Caused by 1995 Hyogoken Nanbu Earthquake by Mr. Tadahiko SAKAMOTO, Director-General, Public Works Research Institute</li> <li>3) Development Cooperation and Public Works in Asia by Dr. Akira TAKAHASHI, Professor Emeritus, University of Tokyo</li> </ol>										
	<p>Subject of Common Interests</p> <ol style="list-style-type: none"> <li>1) Harmony between Public Works and Environment</li> <li>2) Securement and Training of Civil Engineers</li> </ol>										
	<p>Specific Subjects</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">1) Earthquake Disaster</td> <td>(India, Philippines, Japan)</td> </tr> <tr> <td>2) River Management</td> <td>(Malaysia, Thailand, Japan)</td> </tr> <tr> <td>3) Road Technology</td> <td>(China, Japan)</td> </tr> <tr> <td>4) Soft Ground</td> <td>(Bangladesh, Korea, Japan)</td> </tr> <tr> <td>5) Air Pollution</td> <td>(Indonesia, Nepal, Japan)</td> </tr> </table>	1) Earthquake Disaster	(India, Philippines, Japan)	2) River Management	(Malaysia, Thailand, Japan)	3) Road Technology	(China, Japan)	4) Soft Ground	(Bangladesh, Korea, Japan)	5) Air Pollution	(Indonesia, Nepal, Japan)
	1) Earthquake Disaster	(India, Philippines, Japan)									
2) River Management	(Malaysia, Thailand, Japan)										
3) Road Technology	(China, Japan)										
4) Soft Ground	(Bangladesh, Korea, Japan)										
5) Air Pollution	(Indonesia, Nepal, Japan)										
<p>Study Tour</p> <p>Tohoku (Ichinoseki Retarding Basin, Onikobe Road, Sen-en Road)</p>											
Participants	Overseas: 9, Japan: 36, Guests: 65 (Overseas: 7, Japan: 58)										

**The 6th Conference on Public Works Research and Development in Asia**

Duration	October 14, 1997 - October 21, 1997
Place	Harbor View Hotel, Okinawa
Program	<p>Keynote Lecture</p> <p>1) Regional Development and the Environment Dr. Hosei Uehara, Professor, University of the Ryukyus</p> <p>2) Intelligent Transport Systems (ITS) Mr. Seizo Tsuji, Director General, PWRI</p> <p>3) Okinawa's Social Capital and Development Technologies Mr. Tamio Shimogami, Engineering General, Okinawa Prefectural Government</p> <p>Subject of Common Interests</p> <p>"Research and Development of Public Infrastructure Suitable to Environmental and Climatic Condition"</p> <p>Specific Subjects</p> <p>1) Soil Mechanics and Foundation ..... Bangladesh, India, Japan                  2) Flood Control ..... Thailand, Japan                  3) Traffic Management ..... China, Nepal, Japan                  4) Water Quality Control ..... Indonesia, Malaysia, Japan                  5) Volcanic Disaster, Debris Flow ..... Philippines, Japan</p> <p>Study Tour</p> <p>Kinjo Dam                  Gushigawa Sewage Disposal Facility                  Haneji Dam                  Okinawa National Memorial Park</p>
Participants	200



## The 7th Conference on Public Works Research and Development in Asia

Duration	October 12, 1998 - October 23, 1998
Place	Okinawa Convention Center, Okinawa
Program	<p>Keynote Lectures</p> <p>1) Surveyal, Planning, Design and Implementation of Bridge Construction in Japan's Grant Aid Projects Mr. Satoshi Watabe, Pacific Consultants International</p> <p>2) Disaster Preventive Project under the Consideration of Nearby Environmental Condition – The Project for Flood Mitigation in Ormoc City, Phillipines Mr. Hitoshi Kin, CTI Engineering Co., Ltd.</p> <p>3) Infrastructure Development and Management Prof. Masahiko Kunishima, University of Tokyo</p> <p>4) Okinawa's Coastal Waves and Outflow of Red Soil to the Seashore Dr. Seikoh Tsukayama, Professor, University of Ryukyus</p> <p>5) New Direction for Sustainable Development in Asia Mr. Yasutake Inoue, Director General, PWRI</p> <p>6) Promotion and Development of Okinawa and Its Public Works Technology Mr. Masamichi Shirahase, Vice Director General, Okinawa General Bureau</p> <p>Subject of Common Interests</p> <p>"Research and Development on the Comprehensive Disaster Prevention Measures Considering Ecological Environment and Social Condition"</p> <p>Specific Subjects</p> <p>1) Water Pollution ..... Bangladesh, India, Japan 2) Flood Control ..... Bangladesh, Philippines, Korea, Japan 3) Soil Improvement and Slope Protection..... India, Laos, Malaysia, Japan 4) Pavement ..... Indonesia, India, Malaysia, Japan 5) Sedimentation of Dam Reservoir ..... Malaysia, Korea, Japan 6) Earthquake Disasters ..... Nepal, Japan 7) Coastal Erosion ..... Thailand, Japan</p> <p>Study Tour</p> <p>Haneji Dam Okinawa National Memorial Park</p>
Participants	Oveaseas: 11, Japan: 30, Guests: 60

### The 8th Conference on Public Works Research and Development in Asia

Duration	October 12, 1999 - October 21, 1999
Place	Kariyushi Urban Resort Naha, Okinawa
Program	Keynote Lectures
	1)Present Situation and Tasks of Japan's ODA—Mainly on Infrastructures Mr. Kenji Kiyomizu, Development Specialist on Civil Engineering of JICA
	2)Infrastructure Development and Management in Asia Prof.Masahiko Kunishima, University of Tokyo
	3)Asian Concrete Model Code Asso. Prof. Tamon Ueda, University of Hokkaido
	Subject of Common Interests
	"Research and Development on the Construction Technology Which is Applicable to the Local Natural Environment and Social Condition"
	Specific Subjects
	1) National Disaster Prevention..... India, Japan 2) Soil Improvement.....Bangladesh, Malaysia, Japan 3) Sedimentation of Dam Reservo..... Nepal,Philippines, Japan 4) Design Load of Bridges .....Thailand, Japan 5) Under Ground Use .....Indonesia, Korea, Japan 6) Pavement ..... Laos, Japan 7) River Management.....China, Japan
	Study Tour
	Okinawa National Memorial Park Haneji Dam Seawater Desalination Plant
Participants	200

**The 9th Conference on Public Works Research and Development in Asia**

Duration	October 10, 2000 - October 19, 2000
Place	National Institute for Land and Infrastructure Management, MLIT Bankoku Shinryokan, Okinawa
Program	Keynote Lectures
	Public Works Management Mr. Akira Fujimoto Research Coordinator for Public Works Management, Research Center for Public Works Management, PWRI  Prof. Masahiko Kunishima, University of Tokyo  Mr. Takenori Yamashita Head, Management Research Division Research Center for Public Works Management, PWRI  Mr. Kenichi Matsui Head, System Development Division Research Center for Public Works Management, PWRI
	Subject of Common Interests
	"Research and Development on Promoting Technology Transfer in the Field of Construction Technology"
	Specific Subjects
	1) River Management.....Laos, Japan 2) Water Quality Control..... China, Japan 3) Sedimentation of Dam Reservoir .....Malaysia, Japan 4) Traffic Management .....Nepal, Philippines, Japan 5) Soil Improvement.....Thailand, Japan 6) Earthquake Disaster Prevention.....India,Indonesia, Japan
	Study Tour
ITS Information Center Haneji Dam Okinawa National Memorial Park Kanna Dam Historical Road	
Participants	130

### The 10th Conference on Public Works Research and Development in Asia

Duration	October 16, 2001 - October 25, 2001
Place	National Institute for Land and Infrastructure Management, MLIT Bankoku Shinryokan, Okinawa
Program	Lectures
	Public Works Management  Mr. Kenichi Matsui Head, Construction Management Division Research Center for Land and Construction Management, NILIM
	Subject of Common Interests
	"Research and Development on Public Works Concerned with Reducing Environmental Impact for Sustainable Development"
	Specific Subjects
	1) Water Quality Management.....India, Japan 2) River Management.....Lao, Nepal, Japan 3) Coast Management.....Malaysia, Japan 4) Traffic Management .....Thailand, Japan 5) Earthquake Disaster Prevention.....Bangladesh, India, Japan
	Study Tour
1)Arakawa River Channel 2)Kobe Akashi Kaikyo Bridge 3)Okinawa ITS Information Center Electric Power Plant Kanna Dam Plastic Bridge	
Participants	100

## The 11th Conference on Public Works Research and Development in Asia

Duration	October 15, 2002 - October 24, 2002
Place	National Institute for Land and Infrastructure Management, MLIT Bankoku Shinryokan, Okinawa
Program	<p>Keynote Lectures</p> <p>1) Hydrology and Water Resources in Monsoon Asia Dr. Katumi Musiake President, Japan Society of Hydrology and Water Resources Department of Human and Society, Institute of Industrial Science University of Tokyo</p> <p>2) Flood and Sediment-related Disasters in Japan Mr. Yasuo Nakano, Director Research Center for Disaster Risk Management, NILIM</p> <p>3) Comprehensive Water-Resource Issues of Island Communities Dr. Housei Uehara, Honorary Professor, University of the Ryukyus</p> <p>Subject of Common Interest</p> <p>"Water Resources and River Management for Sustainable Development"</p> <p>Specific Subjects</p> <p>1) Specific Subjects [1] a) Flood Control and Water Resources Management ..... India, Indonesia, Laos, Philippines, Thailand, Japan b) Water quality..... Malaysia, Sri Lanka, Japan c) Groundwater..... Pakistan, Japan</p> <p>2) Specific Subjects [2] a) Roads, Pavement, Traffic Management &amp; Safety ..... India, Indonesia, Laos, Pakistan, Sri Lanka, Japan b) Volcanic Disaster, Erosion Control &amp; Debris Flow ..... Philippines, Malaysia, Thailand, Japan</p> <p>3) Specific Subjects [3] -Red Soil Erosion Countermeasures &amp; Environmental Preservation in Okinawa- a) Integrated Operation of dams b) Road Construction..... Indonesia, Korea, Laos, Malaysia, Pakistan, Philippines, Sri Lanka, Thailand, Japan</p> <p>Study Tour</p> <p>1) Kyoto: Ohtsu Auxiliary Conduit, Seta River Weir(Outlet Flow Control) Amagase Dam, Drainage of Lake Biwa and the Incline, 2) Osaka: Legacy of Sayama Pond 3) Okinawa: The Urban Monorail System, Le Village, Haneo Dam, Taiho Dam</p>
Participants	130

## The 12th Conference on Public Works Research and Development in Asia

Duration	October 20, 2003 to October 31, 2003
Place	National Institute for Land and Infrastructure Management, MLIT Tokyo International Center, JICA Okinawa Convention Center
Program	<p><b>Keynote Lectures</b></p> <ol style="list-style-type: none"> <li>1) Public Transport in Urban Areas Dr. Fumihiko NAKAMURA Associate Professor, Department of Civil Engineering Yokohama National University</li> <li>2) Development Trend and Urban Traffic Problem in Okinawa Central and Southern City Area Dr. Takayuki IKEDA Professor, Department of Civil Engineering &amp; Architecture, University of Ryukyus</li> </ol> <p><b>Lectures</b></p> <ol style="list-style-type: none"> <li>1) Technical Standard for Pavement and Asset Management in Japan Mr. Masahide ITO Team Leader, Pavement Research Team, Road Technology Research Group, Public Works Research Institute</li> <li>2) Maintenance of Bridge Mr. Shoichi NAKATANI Head, Bridge Division, Road Dept. NILIM</li> <li>3) ITS and Transportation - What will be changed? Dr. Harutoshi YAMADA Director, Research Center for Advanced Information Technology, NILIM</li> <li>4) Environmental Problems in Urban Transport Mr. Michio TANAHASHI Director, Environment Dept., NILIM</li> <li>5) Promotion of International Mobility of Engineers - APEC Engineer Project Mr. Shigeatsu TAKI Representative, Taki Associates</li> </ol> <p><b>Subject of Common Interest Session</b> Traffic and Road - Measures for Urban Traffic Problem in Asian Big Cities</p> <p><b>Discussions of Specific Subjects</b></p> <ol style="list-style-type: none"> <li>1) Technical Standard for Pavement and Asset Management in Japan</li> <li>2) Maintenance of Bridge</li> <li>3) Environmental Problems in Urban Transport</li> <li>4) Restoration of Environment</li> </ol> <p><b>Study Tour</b></p> <ol style="list-style-type: none"> <li>1) Tsukuba: Tsukuba Express Railway Construction Site, Tsukuba Space Center</li> <li>2) Tokyo: Japan Highway Public Corporation(Electronic Toll Collection System, Tokyo Bay Cross Highway: Tokyo Bay Aqua Line)</li> <li>3) Okinawa: Okinawa Urban Monorail: YUI RAIL, Shurijo Castle, Okinawa Churaumi Aquarium</li> </ol>
Participants	130

## The 13th Conference on Public Works Research and Development in Asia

Duration	October 18, 2004 - October 29, 2004
Place	National Institute for Land and Infrastructure Management, MLIT Tokyo International Center, JICA Okinawa Convention Center
Program	<p><b>Keynote Lectures</b></p> <ol style="list-style-type: none"> <li>1) Appropriate Sewage Treatment Technology for Developing Region Dr. Hideki HARADA Professor, Environmental Biotechnology Laboratory, Nagaoka University of Technology</li> <li>2) Water Issues in Ryukyu Islands Dr. Chohei YOSHIDA Board Member, Okinawa P. Public Health Association</li> </ol> <p><b>Lectures</b></p> <ol style="list-style-type: none"> <li>1) Treated Wastewater Reuse in Japan Mr. Atsushi TAJIMA Senior Researcher, Wastewater and Sludge Management Division, Water Quality Control Dept. NILIM</li> <li>2) Occurrence of Endocrine Disrupting Compounds in Wastewater and Their Fate in Wastewater Treatment Plant and Environment Mr. Yutaka SUZUKI Team Leader, Water Quality Team, Water Environment Research Group, PWRI Mr. Hiromasa YAMASHITA Senior Researcher, Recycling Team, Material and Geotechnical Engineering Research Group, PWRI</li> <li>3) Water Quality Management in Japan Dr. Hiroyuki ITO Senior Researcher, River Environment Division, Environment Dept., NILIM</li> <li>4) Comprehensive Flood Control Measures Mr. Koichi FUJITA, Head, River Environment Division, Environment Dept., NILIM</li> <li>5) Urban Flood Management Mr. Tetsuya NAKAMURA Head, Flood Disaster Prevention Division, Research Center for Disaster Risk Management, NILIM</li> <li>6) Urban Drainage and Inundation Prevention Measures in Japan Mr. Kazuya FUJII (for Mr. Motoi NASU) Head, Wastewater System Division, Water Quality Control Dept., NILIM</li> <li>7) The World Water Forum Mr. Hideaki ODA, Secretary General, Japan Water Forum</li> </ol> <p><b>Subject of Common Interest Session</b> Management of Urban Water Environment</p> <p><b>Discussions of Specific Subjects</b></p> <ol style="list-style-type: none"> <li>1) Water Quality</li> <li>2) Flood Control in Urban Areas</li> </ol> <p><b>Study Tour</b></p> <ol style="list-style-type: none"> <li>1) Tsuchiura: Kasumigaura Kohoku Regional Sewerage System / Kasumigaura Sewage Treatment Plant, Tsuchiura Bio-Park</li> <li>2) Tokyo: Morigasaki Water Reclamation Center, Digestive Gas Power Facilities, Ariake Wastewater Treatment Plant, Purification Plant, Odaiba Marine Park, Shiodome Reclaimed Water &amp; Sprinkle Test Facilities</li> <li>3) Okinawa: Naha Sewage Treatment Plant, A Building Using Reclaimed Water in Naha New Urban Center, Makabi Retarding Basin, Kinjo Dam, Shuri Castle</li> </ol>
Participants	130

## The 14th Conference on Public Works Research and Development in Asia

Duration	October 17, 2005 - October 28, 2005
Place	National Institute for Land and Infrastructure Management, MLIT Japan International Cooperation Agency, Sendai International Center
Program	<p><b>Keynote Lectures</b></p> <p>(1) Disaster Mitigation Perspective – From Engineering to Citizen's Participation Dr. Yujiro OGAWA, Professor, College of Environment and Disaster Research, Fuji Tokoha University</p> <p>(2) Global Disaster – Lessons from the 2004 Sumatra Earthquake and Indian Ocean Tsunami Dr. Fumihiko IMAMURA, Professor, Disaster Control Research Center, Graduate School of Engineering, Tohoku University</p> <p><b>Lectures</b></p> <p>(1) Mitigation Measures and Risk Management against Flood and Coastal Disaster 1)Dr. Tadashi SUETSUGI, Head, River Division, River Dept. NILIM 2)Mr. Tetsuya NAKAMURA, Head, Flood Disaster Prevention Division, Research Center for Disaster Risk Management, NILIM 3)Mr. Fumihiko KATO, Senior Researcher, Coast Division, River Dept. NILIM</p> <p>(2) Procedure for Setting Area for Restriction on Land Use in order to Reduce Risk due to Sediment-related Disasters Dr. Hideaki MIZUNO, Senior Researcher, Erosion and Sediment Control Division, Research Center for Disaster Risk Management, NILIM</p> <p>(3) Development of Warning and Evacuation System against Sediment-related Disasters Dr. Nobutomo OSANAI, Head, Erosion and Sediment Control Division, Research Center for Disaster Risk Management, NILIM</p> <p>(4) Debris Flows Detection Sensors Mr. Jun'ichi KURIHARA, Team Leader, Volcano and Debris Flow Research Team, Erosion and Sediment Control Research Group, PWRI</p> <p>(5) Development of the Landslide Displacement Detection Sensor Using Optical Fiber Mr. Kazunori FUJISAWA, Team Leader, Landslide Research Team, Erosion and Sediment Control Research Group, PWRI</p> <p>(6) The World Water Forum Mr. Hideaki ODA, Secretary General, Japan Water Forum</p> <p><b>Subject of Common Interest Session</b> Risk Management and Mitigation for Flood and Sediment Related Disasters</p> <p><b>Discussions of Specific Subjects</b></p> <p>1) Mitigation Measures and Risk Management against Flood and Coastal Disaster 2) Risk Management and Mitigation for Sediment-related Disasters 3) Flood Forecasting and Warning</p> <p><b>Study Tour</b></p> <p>1) Tsukuba Area: 1986 Kokai River Embankment Destruction Part, Kokai River Hakojima Retarding Basin</p> <p>2) NILIM and PWRI: UNESCO-PWRI Centre, Current Meter Calibration Channel, River Model Test Yard, Coastal Hydraulics Laboratory, Smart Communication &amp; Advanced Cruise-assist Highway Systems</p> <p>3) Tokyo Area: Kanda River/Loop 7 Underground Regulation Pond Works, Tsurumi River Multipurpose Retarding Basin, Slope Failure Prevention Works in Yokohama, PARI's Large Hydro-Geo Flume and Intelligent Wave Basin for Maritime Environments, NILIM Yokosuka's Airplane Loading Test Systems</p> <p>3) Tohoku Area: Ishibuchi Dam, Isawa Dam, Chusonji-Temple, Ichinoseki Retarding Basin, Satetsu-River Disaster Restoration Site</p>
Participants	100



## The 15th Conference on Public Works Research and Development in Asia

Duration	November 6, 2006 - November 17, 2006
Place	National Institute for Land and Infrastructure Management, MLIT Japan International Cooperation Agency, Aichi Art Center
Program	<p>Keynote Lectures</p> <p>(1) Road Policies in Japan – Brief History and Recent Topics – Dr. Haruo ISHIDA Dept. of Social Systems and Management, Tsukuba University</p> <hr/> <p><b>Lectures</b></p> <p>(1) Efforts Towards More Accessible And Functional Expressway System Mr. Kenta HAMAYA Researcher, Traffic Engineering Division, Road Department, National Institute for Land and Infrastructure Management</p> <p>(2) Evaluation of Freight Transport Network Mr. Tatsuo KONO Senior Researcher, Traffic Engineering Division, Road Department, National Institute for Land and Infrastructure Management</p> <p>(3) Comprehensive Implementation of Road Administration Management in Japan Mr. Tetsuya OWAKI Senior Researcher, Traffic Engineering Division, Road Department, National Institute for Land and Infrastructure Management</p> <p>(4) An Overview of Road Traffic Survey in Japan and Utilization for grasping traffic congestion Mr. Shinji ITSUBO Researcher, Traffic Engineering Division, Road Department, National Institute for Land and Infrastructure Management</p> <p>(5) Trend of Road Accidents and Measures in Japan Dr. Susumu TAKAMIYA Senior Researcher, Advance Road Design Safety Division, Road Department, National Institute for Land and Infrastructure Management</p> <p>(6) Collection and Utilization of Data on Traffic Accidents Mr. Shinsuke SETOSHITA Senior Researcher, Advance Road Design Safety Division, Road Department, National Institute for Land and Infrastructure Management</p> <p>(7) Effects of Traffic safety Measures and Effective Development Methods for Traffic Safety measures Mr. Hiroki HASHIMOTO Researcher, Advance Road Design Safety Division, Road Department, National Institute for Land and Infrastructure Management</p> <p>(8) Environmental Issues of Roads in Japan Mr. Shinri SONE Senior Researcher, Road Environment Division, Environment Department, National Institute for Land and Infrastructure Management</p> <p>(9) Management and System of Road Structures in Japan Mr. Takashi TAMAKOSHI Head, Bridge and structures Division, Environment Department, National Institute for Land and Infrastructure Management</p> <p>(10) General Information on Deterioration of Existing Concrete Structures and Recent Research Topics on The Maintenance Techniques in Japan Mr. Hiroshi WATANABE Team Leader, Structure Management Technology Team, Construction Technology Research Department, Public Works Research Institute</p>

	<p>(11)Maintenance of Steel Bridges Mr. Jun MURAKOSHI Team Leader, Bridge Structure Team,Structures Research Group, Public Works Research Institute</p> <p>(12)Pavement Management Practice in Japan Mr. Kazuyuki KUBO Team Leader, Pavement Team, Road Technology Research Group Public Works Research Institute</p> <p>(13)State of the Art and Future Prospect of Maintenance and Operationof Road Tunnel Dr. Hideto MASHIMO Team Leader, Tunnel Team, Road Technology Research Group Public Works Research Institute</p> <p>(14)Control of Maintenance in Earthworks Dr. Hidetoshi KOHASHI Team Leader, Soil Mechanics Team, Material and Geotechnical Research Group, Public Works Research Institute</p> <p>(15)Capability of ITS for sustainable social infrastructure Dr. Tadashi YOSHIDA ITS deployment strategy Research team, special Committee Team, Japan Society of Civil Engineers</p>
	<p><b>Subject of Common Interest Session</b> Economic and Social Effects of Road Network Development</p>
	<p><b>Discussions of Specific Subjects</b></p> <ol style="list-style-type: none"> <li>1)Effect and Evaluation of Road Network Development</li> <li>2)Road Traffic Safety and Environment <ol style="list-style-type: none"> <li>a) Road Accidents and Measure</li> <li>b) Effort toward Road Environment</li> </ol> </li> <li>3)Road Structures Management</li> </ol>
	<p><b>Study Tour</b></p> <ol style="list-style-type: none"> <li>1) NILIM and PWRI: Structural Aerodynamics Laboratory, Noise Control Laboratory, Low Noise Pavement and Noise Barrier, Test Track, ITS Laboratory, Pavement Test Field, Vibration Laboratory, Traffic Collision Test Field</li> <li>2) Tokyo Area: East Tokyo Operation bureau, Harumi Route, Tokyo Wan Aqua-Line, Tokyo Outer Ring Road</li> <li>3) Chubu Area: Linear motor train Base, Tokai Ring Expressway, Tsutsumi Plant of Toyota Motor Corporation, Nagoya Ring Highway 2, Tobishima Container Terminals</li> </ol>
Participants	138

## The 16th Conference on Public Works Research and Development in Asia

Duration	November 26, 2007 - December 7, 2007
Place	National Institute for Land and Infrastructure Management, MLIT Japan International Cooperation Agency, Hotel Shiragiku
Program	<p>Keynote Lectures</p> <p>(1) Water-related Disaster Management for Adaptation to Climate Change Dr. Kuniyoshi TAKEUCHI Director of the International Centre for Water Hazard and Risk Management (ICHARM), PWRI</p> <hr/> <p>Lectures</p> <p>(1) Predicted Effect of Global Climate Change on precipitation Characteristics in Japan and related research activities in NILIM Mr. Josuke KASHIWAI Research Coordinator for Watershed Management, River Department, NILIM</p> <p>(2) The Investigation on the Drought Risk Assessment in Japan Due to Global Warming Mr. Nario YASUDA Head, Water Management and Dam Division, River Department, NILIM</p> <p>(3) Policy Making and Implementation Processes for Securing Water Resources in the Tokyo Metropolitan Area to Cope with the Rapid Population Growth Mr. Koichi FUJITA Head, River Environment Division, Environmental Department, NILIM</p> <p>(4) The Evaluation of Flood Risk and Prevention of Flood Disaster Mr. Takayuki ISHIGAMI Senior Researcher, River Division, River Department, NILIM</p> <p>(5) Storm Surge Forecast System for Floodfighting Warning Mr. Masaya FUKUHAMA Head, Coast Division, River Department, NILIM</p> <p>(6) Support for Evaluation Ahead of Sediment Disasters - Using Rainfall Indices to Predict the Danger of Sediment Disasters - Mr. Kazuya AKIYAMA Senior Researcher, Erosion and Sediment Control Division, Research Center for Disaster Risk Management, NILIM</p> <p>(7) Planning Adaptation Programs for Future Climate Change Mr. Junichi YOSHITANI Team Leader, Disaster Prevention Team, ICHARM, PWRI</p> <p>(8) Outline of Sewerage Works and The Strategies for The Future in Japan Mr. Osamu FUJIKI Director, Water Quality Control Department, NILIM</p> <p>(9) Urban Stormwater Management Mr. Takashi SAKAKIBARA Head, Wastewater System Division, Water Quality Control Department, NILIM</p> <p>(10) Utilization of Reclaimed Wastewater Mr. Mizuhiko MINAMIYAMA Head, Wastewater and Sludge Management Division, Water Quality Control Department, NILIM</p> <p>(11) Beneficial Use of Biomass at Wastewater Treatment Plants Mr. Masaaki OZAKI Team Leader, Recycling Research Team, Material and Geotechnical Management, PWRI</p>

	<p>Subject of Common Interest Session Integrated Water Resource Management Adapting to the Global Climate Change</p> <p>Discussions of Specific Subjects</p> <ol style="list-style-type: none"> <li>1) Water Resource Management</li> <li>2) Water Disaster Management</li> <li>3) Water Environment and Wastewater Management</li> </ol> <p><b>Study Tour</b></p> <ol style="list-style-type: none"> <li>1) NILIM and PWRI: Oceanic and Coastal Experimental Facilities, River Hydraulic Experimental Facilities, Dam Hydraulic Experimental Facilities, Water Quality Experimental Facilities</li> <li>2) Tsukuba Area: The Meteorological Research Institute</li> <li>3) Kyusyu Area: The Seawater Desalination Center, Chikugo Ohzeki (The Chikugo River Weir), Suigou Yanagawa (River of Yanagawa)</li> </ol>
Participants	111

## The 17th Conference on Public Works Research and Development in Asia

Duration	October 21, 2008 - October 29, 2008
Place	National Institute for Land and Infrastructure Management, MLIT Chisun Hotel & Conference Center Niigata
Program	<p>Keynote Lectures</p> <p>(1) Characteristics of Recent Natural Disasters and Their Reduction Ph. D. Yoshiaki KAWATA Director of Research Center for Disaster Reduction System, Disaster Prevention Research Institute, Kyoto University</p> <hr/> <p>Lectures</p> <p>(1) Seismic design of dams Mr. Shinya MITSUISHI Head, Water Management and Dam Division, River Department, NILIM</p> <p>(2) Policy and research for seismic retrofit of highway bridges Mr. Toshiaki NANAZAWA Senior Researcher, Bridge and Structures Division, Road Department, NILIM</p> <p>(3) Disaster information system Mr. Yasuhiro SHOJI Head, Earthquake Disasters Prevention Division, Research Center for Disaster Risk Management, NILIM</p> <p>(4) Coastal management against tsunamis Mr. Yoshio SUWA Head, Coast Division, River Department, NILIM</p> <p>(5) Prevention and countermeasures against flood Mr. Hirokatsu KANAZAWA Head, River Division, River Department, NILIM</p> <p>(8) Disaster mitigation of flood and countermeasure for recovery Mr. Hajime KOBAYASHI Senior Researcher, Flood Disaster Prevention Division, Research Center for Disaster Risk Management, NILIM</p> <p>(9) Wave runup forecast system for floodfighting Mr. Fuminori KATO Senior Researcher, Coast Division, River Department, NILIM</p> <p>(10) Practical use of the sediment disaster warning information in case of heavy rainfall Mr. Hideaki MIZUNO Senior Researcher, Erosion and Sediment Control Division, Research Center for Disaster Risk Management, NILIM</p> <p>(11) Countermeasures against natural dams Dr. Nobutomo OSANAI Head, Erosion and Sediment Control Division, Research Center for Disaster Risk Management, NILIM</p> <p>(12) Format for collecting Sediment disaster data” Mr. Shinichi KOJIMA Senior Researcher, Erosion and Sediment Control Division, Research Center for Disaster Risk Management, NILIM</p> <hr/> <p>Subject of Common Interest Session Prevention and Mitigation of National Disasters</p> <hr/> <p>Discussions of Specific Subjects</p> <ol style="list-style-type: none"> <li>1) Earthquake and Tsunami Related Disasters</li> <li>2) Flood and Storm Surge Related Disasters</li> <li>3) Non-structural Measure for Reducing disaster Risk Caused by Sediment Movement</li> </ol>

	<p><b>Study Tour</b></p> <p>1) Tokyo Area: Tokyo Bay Aqua Line Highway Metropolitan Area Outer Underground Discharge Channel</p> <p>2) Hokuriku Area: Niigata Disaster Prevention Center Ogotsu Diversion Aqueducts, Shinano River Closed river channel(Yamakosi village) Yamakoshi Area Branch Office, Nagaoka City Municipal Office</p>
Participants	107

## The 18th Conference on Public Works Research and Development in Asia

Duration	November 9, 2009 - November 18, 2009
Place	National Institute for Land and Infrastructure Management, MLIT Kochi University of Technology
Program	<p>Keynote Lectures</p> <p>(1) Highway Capacity, Operation and Congestion in Japan Dr.Eng. Takashi OGUCHI Professor at Infrastructure Planning &amp; Traffic Eng. Lab., Division of Civil and Environmental Eng., Graduate school of Urban Environmental Sciences Tokyo Metropolitan University</p> <hr/> <p>Lectures</p> <p>(1) Efficient development and operation of road net works Mr. Katsumi UESAKA Head, Traffic Engineering Division, Road Department, NILIM</p> <p>(2) Measures to secure road traffic safety Mr. Masahiro KANEKO Head, Advanced Road Design and Safety Division, Road Department, NILIM</p> <p>(3) Improvement of road environment Mr. Shinri SONE Head, Road environment Division, Environment Department, NILIM</p> <p>(4) Toward realization of smartway in Japan Mr. Hideto HATAKENAKA Head, Intelligent Transport System Division, Research Center for Advanced Information Technology, NILIM</p> <p>(5) Earthquake disaster management for Road Mr. Susumu TAKAMIYA Head, Earthquake Disaster Prevention Division, Research Center for Disaster Risk Management, NILIM</p> <p>(6) Strategy for maintenance of Road structures Mr. Takashi TAMAKOSHI Head, Bridge and Structures Division, Road Department, NILIM</p> <p>(7) Techniques for inspection and reinforcement of bridges Mr. Jun MURAKOSHI Senior Researcher, Bridge and structural Technology Research group, Center for Advanced Engineering Structural Assessment and Research, PWRI</p> <p>(8) Efficient maintenance of pavements and tunnels Mr. Kazuyuki KUBO Senior Researcher, Pavement Research Team, Road Technology Research group, PWRI Mr. Katsunori KADOYU Senior Researcher, Tunnel Research Team, Road Technology Research Group, PWRI</p> <p>(9) Risk Management Strategy in Privatization of Expressway Public Corporations in Japan Mr. Katsuhiko NAKAMURA Deputy Director, Planning Division, Japan Expressway Holding and Dept Repayment Agency</p>





## 2) Symposium

### The 1st Symposium on Public Infrastructure and Civil Engineering in Asia

Date	February 22, 1993
Place	Sapporo Grand Hotel
Host	Public Works Research Institute of MOC, Civil Engineer Research Institute of Hokkaido Development Bureau
Program	Keynote Lecture on "Development and Infrastructure of Hokkaido" by Prof. Hideo IGARASHI, Hokkaido University
	Panel Discussion on "Public Infrastructure Projects in Each Country and Their Technical Problems" Coordinator: Toshitaka OHTA, Director General, CERI, Hokkaido Development Bureau, JAPAN Panelists : Yukihiko SUMIYOSHI, Director-General, PWRI, MOC, JAPAN CHEN Bing Xin, Director, IWHR, CHINA BADRUDDIN Machbub, Director, RIWRD, ARD, MPW, INDONESIA LEE Sang Eun, Vice President, KICT, KOREA Abdul RAHMAN B. Abdullah, Deputy Director General, PWD, MALAYSIA Manuel M. BONOAN, Assistant Secretary for Planning, DPWH, PHILIPPINES TAN Siong Leng, Director, Building Control Div., PWD, SINGAPORE TEERACHARTI Ruenkrairergsa, Director, Road R&D Center, DOH, THAILAND
Participants	200

## The 2nd Symposium on Public Infrastructure and Civil Engineering in Asia

Duration	November 22, 1993
Place	Soralia Nishi-Tetsu Hotel
Host	Public Works Research Institute and Kyushu Regional Construction Bureau, MOC
Program	<p>Keynote Lecture on "Regional Development and Civil Engineering Technology in Kyushu" by Prof. Takeshi CHISHAKI, Kyushu University</p> <p>Panel Discussion on "Striving for a Better Environment -Regional Development Projects, Disaster Prevention, Environmental Issue-" Coordinator: Yukihiko Sumiyoshi, Director-General, PWRI, MOC, JAPAN Panelists: Eiki ARAMAKI, Director General, Kyushu Regional Construction Bureau, MOC, JAPAN WU Ji Shan, Director, IMHE, CHINA SOEDARMANTO Darmonegoro, Secretary, ARD, MPW, INDONESIA KIM Keung Hwan, Director, Planning &amp; Coordination Div., KICT, KOREA TEH Siew Keat, Director of River Engineering, DID, MALAYSIA Jose H. ESPIRITU, Director, BRS, DPWH, PHILIPPINES KHOR Poh Hwa, Chief Civil Engineer, PWD, SINGAPORE ANUSORNANT Mahavinichaimontri, Director, Materials and Research Div., PWD, THAILAND</p>
Participants	200

### The 3rd Symposium on Public Infrastructure and Civil Engineering in Asia

Duration	October 24, 1994
Place	Mainichi Oval Hall
Host	Public Works Research Institute and Kinki Regional Construction Bureau, MOC
Program	<p>Keynote Lecture on "Struggling to Develop the New Construction Technology" by Mr. Koutaro HASHIMOTO, Director General, Kinki Regional Construction Bureau, MOC</p> <p>Keynote Lecture on "Cultural Exchange in Global Age" by Prof. Nobuyuki HATA, National Museum of Ethnology</p>
	<p>Panel Discussion on "Public Infrastructure and Development of Construction Technology in Asia"</p> <p>Coordinator: Hiroji NAKAGAWA, Professor, Kyoto University, JAPAN</p> <p>Panelists :</p> <p>Takashi IJIMA, Director-General, PWRI, MOC, JAPAN  Abdul Wahed CHOWDURI, Joint Secretary, MHPW, BANGLADESH  XIONG Qiu Shui, Senior Engineer, SPTD, Min. of Com., CHINA  Kewal Krishan MADAN, Director General, CPWD, MUD, INDIA  Mohamad Yusuf GAYO, Director of MIER, DGWRD, MPW, INDONESIA  KIM Il-Joong, Director, Technology Promotion Div., MOC, KOREA  Abdul KADIR bin Awang Hamat, Director, IKRAM, PWD, MOW, MALAYSIA  Luis A. MAMITAG, Jr., Chief of R&amp;D Div., BRS, DPWH, PHILIPPINES  WIJARN Thunthithum, Senior Engineer, DWD Sub-Div., SED, PWD, THAILAND</p>
Participants	300

### The 4th Symposium on Public Infrastructure and Civil Engineering in Asia

(Session of Ministers' Forum on Infrastructure Development in the Asia-Pacific Region)

Duration	September 27, 1995
Place	Hotel New Otani Osaka
Host	Public Works Research Institute and Kinki Regional Construction Bureau, MOC
Program	Panel Discussion on "Research and Development and International Research Cooperation for Great Natural Disaster Reduction" Coordinator: Takashi IJIMA, Director-General, PWRI, MOC, JAPAN Panelists : Yasuyuki KOGA, Director, Earthquake Disaster Prevention Dept. ,PWRI, MOC, JAPAN Abdul MAJID Khan, Director General, RRI, BANGLADESH Guowei YANG, Senior Engineer, CWRC, CHINA Digvijai SINGH, Director General, CRRI, MST, INDIA PATANA Rantetoding, Director General, IRE, MPW, INDONESIA Antonio A. STA. ELENA, Regional Director, DPWH, Region IX, PHILIPPINES SURAPOL Pongthaipatana, Deputy Director General, TTI, PWD, MOI, THAILAND
Participants	200

### The 5th Symposium on Public Infrastructure and Civil Engineering in Asia

Duration	October 21, 1996
Place	Sendai International Center
Host	Public Works Research Institute and Tohoku Regional Construction Bureau, MOC
Program	<p>Panel Discussion on "Harmony between Regional Development Projects and Environment" Coordinator: Tadahiko SAKAMOTO, Director-General, PWRI, MOC, JAPAN Panelists :</p> <p>Toshiki AOYAMA, Director-General, Tohoku Regional Construction Bureau, MOC, JAPAN MD. Siddique Ullah, Chief Engineer, Public Works Department, Ministry of Housing and Public Works, BANGLADESH Zhang Yuan-fang, Deputy Director, Research Institute of Highway, Ministry of Communications, CHINA Surinder Kumar Chawla, Chief Engineer, Central Public Works Department, Ministry of Urban Affairs and Employment, INDIA Joelianto Hendro Moeljono, Director General, Agency for Research and Development, Ministry of Public Works, INDONESIA Hong Sung-Wan, Vice President, Korea Institute of Construction Technology, KOREA Keizrul Bin Abdullah, Deputy Director General I, Department of Irrigation and Drainage, Ministry of Agriculture, MALAYSIA Nestor V. Agustin, Assistant Regional Director, Region IV, Department of Public Highways ,Region IX, PHILIPPINES Siripong Hungspreug, Director, Project Planning Division, Royal Irrigation Department, THAILAND Mohan Bahadur Karki, Director General, Department of Roads, Ministry of Works and Transport, NEPAL</p>
Participants	200

### The 6th Symposium on Public Infrastructure and Civil Engineering in Asia

Duration	October 17, 1997	
Place	The Busena Terrace Beach Resort	
Host	Public Works Research Institute Okinawa General Bureau and Okinawa Prefectural Government	
Program	Keynote Address	Prof. Kiyoshi UEMA "Okinawa's Heritage and Social Infrastructure"
	Panel Discussion	"Research and Development of Social Infrastructure Suitable to the Environment and Climatic Condition"
Panelists	Tamio Shimogami	Engineer General, Okinawa Prefectural Government, JAPAN
	Azizul Haque	Additional Chief Engineer, Public Works Department Under Ministry of Works, Govt. of BANGLADESH
	Qi Ji	Vice Director, China Building Technology Department Center, CHINA
	Krishan Kumar	Chief Engineer & Project Manager, Parliament Library Project, Central Public Works Department, INDIA
	Zulkarnaen Aksa	Executive Secretary Agency for Public Works' Research and Development, Ministry of Public Works, INDONESIA
	Ahmad Fuad Bin Embi	Director, Drainage Division, Department of Irrigation and Drainage, MALAYSIA
	Devendra Prasad Rimal	Joint Secretary, Ministry of Works and Transport, NEPAL
	Salvador L. Manto	Division Chief, Portworks & Shore Protection Division Bureau of Construction, Department of Public Works and Highway's, PHILIPPINES
	Vidhaya Samaharn	Director, Research and Laboratory Division, Royal Irrigation Department, THAILAND
	Coordinator Seizo Tsuji	Director - General, PWRI
Participants	200	

### The 7th Symposium on Public Infrastructure and Civil Engineering in Asia

Duration	October 18, 1999	
Place	Okinawa Convention Center	
Host	Okinawa General Bureau	
Program	Theme	"R&D of Paving Technologies Suited to Environmental and Climatic Conditions"
	Keynote Address	"Recent Development in Paving Technology" Tamotsu Kobayashi, Research Coordinator for Traffic Safety, PWRI
		"R&D of Paving Technologies in Okinawa" Kaoru Seto, Sr. Officer, Planning & Coordination, Development Construction Department, Okinawa General Bureau
	Site Visits	Test Site: Semi-Flexible Pavement (Nakanishi Area, Urasoe City)
Participants	A. K. M. Mukitur Rahman	Additional Chief Engineer, Public Works Department, BANGLADESH
	Indu Prakash	Chief Engineer, Ministry of Surface Transport (Road Wing), INDIA
	Mohammad Sjahdanulirwan	Acting Director, Institute of Road Engineering, Agency for Research and Development of Public Works, Ministry of Public Works, INDONESIA
	Chai Sung Gee	Research Fellow, Korea Institute of Construction Technology, KOREA
	Laokham Sompheth	Project Manager, Ministry of Communication Transport, Post, and Construction, LAOS
	Haji Ghazali Bin Omar	Director, Drainage Division, Department of Irrigation & Drainage, MALAYSIA
	Abdul Razak Bin Dahalan	Deputy Director, Department of Irrigation & Drainage, Perak, MALAYSIA
	Lekh Raj Upadhyay	Director General, Department of Building, Ministry of Housing and Physical Planning, NEPAL
	Manuel Agyao Y. Swegen	Regional Director, Cordillera Administrative Region, Department of Public Works and Highways, PHILIPPINES
	Thiraphan Thongpravati	Chief Engineer, Public Works Department, Ministry of Interior, THAILAND
	Masamichi Shirahase	Vice Director-General, Okinawa General Bureau
Others	70	



### The 8th International Symposium on National Land Development and Civil Engineering in Asia

Duration	October 18, 1999	
Place	Kariyushi Urban Resort Naha	
Host	Okinawa General Bureau and Okinawa Prefectural Government	
Program	Keynote Lecture	Prof. Takeshi OSHIRO "Corrosive Environment and Salt Induced Damage of RC Structures"
	Panel Discussion	"Research and Development on the construction technology which is applicable to the local natural environment and social condition"
Panelists	Ayumu Yasukawa	Engineer General, Okinawa Prefectural Government, JAPAN
	Morshed Uddin	Additional Chief Engineer, Public Works Department Under Ministry of Works, Govt. of BANGLADESH
	Qian, Min	Vice Director General, Huaihe River Commission, Ministry of Water Resources, CHINA
	Prabodh Gopal Dhar Chakrabartir	Director, Ministry of Urban Development, INDIA
	Supardiyono Sobirin	Director, Research Institute for Human Settlements, INDONESIA
	Hong, Sung Wan	Senior Research Fellow, Korea Institute of Construction Technology, KOREA
	Math Sounmala	Director General, Cabinet Office, Ministry of Communication Transport Post and Construction, LAOS
	Wahid bin Omar	Deputy Director General II, Public Works Department, MALAYSIA
	Kedar Prakash Rizal	Project Director, Water Induced Disaster Prevention Technical Centre, Ministry of Water Resources, NEPAL
	Eleno Uttoh Colinares, Jr	Regional Director, Department of Public Works and Highways, Region V, PHILIPPINES
	Samart Yolpak	Chief Engineer, Public Works Department, Ministry of Interior, THAILAND
	Coordinator Tomomitsu Fujii	Director - General, PWRI
Participants	200	

### The 9th International Symposium on National Land Development and Civil Engineering in Asia

Duration	October 17, 2000
Place	Bankoku Shinryokan, Okinawa
Host	Public Works Research Institute Okinawa General Bureau and Okinawa Prefectural Government
Program	Lectures  Dr. Tetsuya YABUKI, Professor, University of the Ryukyus "Case of Japan I " –New Developments in Bridges–  Mr. Takeshi HASHIMOTO, Deputy Director General, Okinawa General Bureau, Okinawa Development Agency "Case of Japan II " –Infrastructure Development in Okinawa-  Mr. Subhash Chander VASUDEVA, Additional Director General, Central Public Works Department, Ministry of Urban Development, INDIA "Case of INDIA"  Ir. SAROSO Bambang Suksmono, Operation Management Director, The Research Institute for Road Infrastructure Technology, Ministry of Settlement & Regional Development, Republic of INDONESIA "Case of Republic of INDONESIA"  Dr. Hyoseop WOO, Senior Research Fellow, Korea Institute of Construction Technology, Republic of KOREA "Case of KOREA"  Mr. Jesus Pedro CAMMAYO, Assistant Secretary, Department of Public Works and Highways, Republic of the PHILIPPINES "Case of PHILIPPINES"
Participants	130

**The 10th International Symposium on National Land Development and Civil Engineering in Asia**

Duration	October 23, 2001
Place	Bankoku Shinryokan, Okinawa
Host	National Institute for Land and Infrastructure Management Okinawa General Bureau and Okinawa Prefectural Government
Program	<p>Lectures</p> <p>Dr. Toshiya SHINJO, Professor, University of the Ryukyus "Case of Japan I " —Foundation Work on the Limestone Ground Layer of the Southwest Islands—</p> <p>Mr. Tadayuki TAZAKI, Director-General, National Institute for Land and Infrastructure Management "Case of Japan II " —Public Works Environmental Technology in Japan—</p> <p>Dr. Gyn-Jin Bae, Director, Civil Engineering Research Division, Korea Institute of Construction Technology, Republic of KOREA "Case of KOREA"</p> <p>Mr. Hin Seang SAW, Director, Coastal Engineering Division, Department of Irrigation and Drainage, MALAYSIA "Case of Republic of MALAYSIA"</p> <p>Mr. Amoda Nand MISHRA, Director-General, Department of Water Induced Disaster Prevention, Kingdom of NEPAL "Case of Kingdom of NEPAL"</p> <p>Mr. Oravit HEMACHUDHA, Chief, Public Works Planning Subdiv., Department of Public Works, Bangkok Metropolitan Administration, Kingdom of THAILAND "Case of Kingdom of THAILAND"</p> <p>Mr. Hirokazu MIYAO, Engineer General, Okinawa Prefecture Government "Case of OKINAWA" —Okinawa Prefecture's Infrastructure Development for the 21<sup>st</sup> Century—</p>
Participants	100

## The 11th International Symposium on National Land Development and Civil Engineering in Asia

Duration	October 22, 2002
Place	Bankoku Shinryokan, Okinawa
Host	National Institute for Land and Infrastructure Management Okinawa General Bureau and Okinawa Prefectural Government
Program	<p>Lectures</p> <p>Dr. Housei UEHARA, Honorary Professor, University of the Ryukyus "Case of Japan I" —Comprehensive Water -Resource Issues of Island Communities—</p> <p>Mr. Haruhiko OKUNO, Director-General, National Institute for Land and Infrastructure Management "Case of Japan II" —Tokyo Metropolitan Region and Tonegawa—</p> <p>Dr. Lee Jang-Hwa, Senior Research Fellow Structural Materials Research Group Korea Institute of Construction Technology, Republic of Korea "Case of Korea"</p> <p>Mr. Kaushal N. AGRAWAL, Additional Director General, Central Public Works Department Ministry of Urban Development, India "Case of India"</p> <p>Ms. Sofia Torio SANTIAGO, Project Manager, and OIC Assistant Director Bureau of Design Department of Public Works &amp; Highways, Philippines "Case of Philippines"</p> <p>Mr. Zubair Emran KHAWAJA, Director Road Research and Material Testing Institute/ Private Sector Project Investment Cell Communication &amp; Works Department Government of Punjab, Lahore, Pakistan "Case of Pakistan"</p> <p>Mr. Tamio SHIMOGAMI, Deputy Director General, Okinawa General Bureau, Okinawa Development Agency "Case of Okinawa" —Integrated Dam Management and the Development of Okinawa's Water Resources—</p>
Participants	130

## The 12th International Symposium on National Land Development and Civil Engineering in Asia

Duration	October 30, 2003
Place	Okinawa Convention Center, Okinawa
Host	National Institute for Land and Infrastructure Management
Support	Okinawa General Bureau and Okinawa Prefectural Government
Program	<p><b>Keynote Speech "Development Trend and Urban Traffic Problem in Okinawa Central and Southern City Area"</b></p> <p>Dr. Takayuki IKEDA Professor, Department of Civil Engineering &amp; Architecture, University of the Ryukyus</p> <p><b>Lectures</b></p> <ol style="list-style-type: none"> <li>1) Case of Japan Mr. Haruhiko OKUNO, Director General, National Institute for Land and Infrastructure Management</li> <li>2) Case of Cambodia Mr. VONG Pisith, Deputy Director General, Ministry of Public Works and Transport</li> <li>3) Case of China Mr. LU, Kangcheng, Professor of Tunnel and Underground Works, Chang'an University</li> <li>4) Case of Korea Dr. KIM, Yeon Bok, Senior Research Fellow, Highway Research Dept., and Group Leader, Advanced Highway System Group, Highway Research Dept., Korea Institute of Construction Technology</li> <li>5) Case of Laos Mr. HOUNGLA SENGMUANG, Director of Luangnamtha Province, Department of Communication, Transport, Post and Construction</li> <li>6) Case of Malaysia Mr. LAU Hieng Ung, Deputy Director Kuching North City Commission</li> <li>7) Case of Nepal Mr. Sharad Kumar SHRESTHA, Senior Divisional Engineer, Maintenance Branch, Department of Roads, Ministry of Physical Planning and Works</li> <li>8) Case of Pakistan Mr. Aziz Ul Haq MIRZA, Member (Operations), National Highway Authority, Ministry of Communications</li> <li>9) Case of Sri Lanka Mr. Ranasinghe Hewawasamge KARUMARATNE, Provincial Director, Road Development Authority</li> <li>10) Case of Okinawa Mr. Hirokazu MIYAO, Engineer-General Okinawa Prefectural Government</li> </ol>
Participants	130

## The 13th International Symposium on National Land Development and Civil Engineering in Asia

Duration	October 28, 2004
Place	Okinawa Convention Center, Okinawa
Host	National Institute for Land and Infrastructure Management
Program	<p><b>Keynote Speech “Water Issues in Ryukyu Islands”</b>  Dr. Chohei YOSHIDA  Board Member, Okinawa P. Public Health Association</p> <p><b>Lectures</b></p> <ol style="list-style-type: none"> <li>1) Case of Japan  Mr. Tatsuo HAMAGUCHI, Director General,  National Institute for Land and Infrastructure Management</li> <li>2) Case of Bangladesh  Mr. A. K. M. Jafar ULLAH, Superintending Engineer &amp; Project Director,  Water Supply System Expansion &amp; Rehabilitation Project (WSSERP),  Dhaka Water Supply &amp; Sewerage Authority</li> <li>3) Case of Bhutan  Mr. Passang DORJI, District Engineer, Dzongkhag Engineering Sector(District)</li> <li>4) Case of Cambodia  Dr. Visoth CHEA, Assistant General Director, Phnom Penh Water Supply Authority</li> <li>5) Case of China  Dr. LIU Dongfang, Vice Chief Engineer/Director of R/D Center,  Tianjin Capital Environmental Protection Company Limited</li> <li>6) Case of India  Mr. Sukamal BHATTACHARYA, Executive Engineer,  Public Works Department, Government of Tripura</li> <li>7) Case of Indonesia  Dr. Ramalis Subandi PRIHANDANA, Senior Researcher,  Research Institute for Human Settlement,  Ministry of Settlement and Regional Infrastructure Development</li> <li>8) Case of Korea  Dr. Youngsug KIM, Research Fellow, Construction Environment Research Division,  Korea Institute of Construction Technology</li> <li>9) Case of Laos  Mr. Phouthasenh ARKHAVONG, General Deputy Director, Urban Research Institute,  Ministry of Communication Transport Post and Construction</li> <li>10) Case of Malaysia  Mr. Mohd Ridhuan Bin ISMAIL, Deputy Director General,  Sewerage Services Department, Ministry of Energy, Water and Communications</li> <li>11) Case of Nepal  Mr. Bishnu Prasad TIMILSINA, Divisional Chief (Engineer)  Water Supply and Sanitation Division Office,  Department of Water Supply and Sewerage,  Ministry of Physical Planning and Work</li> <li>12) Case of Pakistan  Mr. Tahir AZIM, Project Director, NWFP Urban Development Project,  Local Govt. Elections &amp; Rural Development Department,  Government of North West Frontier Province</li> <li>13) Case of Okinawa  Mr. Masaki MATSUI  Engineer- General, Okinawa Prefectural Government</li> </ol>
Participants	130

## The 14th International Symposium on National Land Development and Civil Engineering in Asia

Duration	October 27, 2005
Place	Sendai International Center, Miyagi
Host	National Institute for Land and Infrastructure Management
Theme	Flood, Sediment and Tsunami Related Disasters in Asia
Program	<p><b>Keynote Speech “Global Disaster – Lessons from the 2004 Sumatra Earthquake and Indian Ocean Tsunami”</b>            Dr. Fumihiko IMAMURA            Professor, Disaster Control Research Center, Graduate School of Engineering,            Tohoku University</p> <p><b>Lectures</b></p> <ol style="list-style-type: none"> <li>1) Case of Japan              Mr. Tsuneyoshi MOCHIZUKI, Director General,              National Institute for Land and Infrastructure Management</li> <li>2) Case of Tohoku District              Mr. Masaharu SHINOHARA, Director, River Department, Tohoku Regional Bureau,              Ministry of Land, Infrastructure and Transport</li> <li>3) Case of Korea              Dr. Chang Wan KIM, Research Fellow, Korea Institute of Construction Technology</li> <li>4) Setting up the International Centre for Water Hazard and Risk Management              (ICHARM) under the auspices of UNESCO              Mr. Akira TERAKAWA, Director, Secretariat for Preparatory Activities of              UNESCO-PWRI Centre, Public Works Research Institute</li> </ol> <p><b>Panel Discussion “Flood, Sediment and Tsunami Related Disasters in Asia”</b>            - M.C.: Mr. Ryosuke TSUNAKI, Director, Research Center for Disaster Risk              Management, NILIM            - Panelists:</p> <ol style="list-style-type: none"> <li>1) Dr. Fumihiko IMAMURA, Professor, Tohoku University</li> <li>2) Mr. Tsuneyoshi MOCHIZUKI, Director General, NILIM</li> <li>3) Mr. Masaharu SHINOHARA, Director, River Department, Tohoku Regional Bureau</li> <li>4) Dr. Bunna YIT, Director, Public Works Research Center, Ministry of Public Work              and Transport, Kingdom of Cambodia</li> <li>5) Mr. Janak Jerambhai SIYANI, Chief Engineer (R&amp;B) &amp; Add Secretary, Roads &amp;              Buildings Department, Government of Gujarat, India</li> <li>6) Dr. Chang Wan KIM, Research Fellow, Water Resources Research Department,              Korea Institute of Construction Technology, Republic of Korea</li> <li>7) Mr. Keophilavanh APHAYLATH, Director General, Urban Research Institute,              Ministry of Communication, Transport, Post and Construction,              Lao People’s Democratic Republic</li> <li>8) Ms. Rebecca Trazo GARSUTA, Chief, Development Planning Div. Planning              Service, Dept. of Public Works and Highways (DPWH),              Republic of the Philippines</li> <li>9) Mr. Akkapong BOONMASH, Director, Improvement and Maintenance Division,              Office of Hydrology and Water Management, Royal Irrigation Department,              Ministry of Agriculture and Cooperatives, Kingdom of Thailand</li> <li>10) Mr. NGUYEN Xuan Hien, Deputy Director, Sub-Institute for Water Resources              Planning (SIWRP), Ministry of Agriculture and Rural Development,              Socialist Republic of Viet Nam</li> </ol>
Participants	80

## The 15th International Symposium on National Land Development and Civil Engineering in Asia

Duration	November 16, 2006
Place	Aichi Arts Center, Nagoya
Host	National Institute for Land and Infrastructure Management
Theme	Economic and Social Effects of Road Network Development in Asia
Program	<p><b>Lectures</b></p> <ol style="list-style-type: none"> <li>1) Automotive Safety Technologies Toward Achieving Sustainable Mobility” Mr. Takashi SHIGEMATSU, Managing Officer, Toyota Motor Corporation</li> <li>2) Case of Japan Mr. Tsuneyoshi MOCHIZUKI, Director General, NILIM</li> <li>3) Case of Chubu District Mr. Toshio SAKAI, Director, Road Department, Chubu Regional Bureau</li> <li>4) Case of Korea Dr. Weon-Eui KANG, Director of Highway Engineering Research Department, Korea Institute of Construction Technology</li> </ol> <p><b>Panel Discussion “Economic and Social Effects of Road Network Development in Asia”</b></p> <p>- M.C.: Mr. Hiroshi SATO, Director, Road Department, NILIM</p> <p>- Panelists:</p> <ol style="list-style-type: none"> <li>1) Mr. Tsuneyoshi MOCHIZUKI, Director General, NILIM</li> <li>2) Mr. Toshio SAKAI Director, Road Department, Chubu Regional Bureau, MLIT</li> <li>3) Mr. Guang-Tao YIN, Senior Engineer, Vice Director, Urban Transport Institute, China Academy of Urban Planning and Design, People’s Republic of China</li> <li>4) Mr. Hikmat ISKANDAR, Head, Traffic &amp; Envir. Lab., Research and Development Centre for Road and Bridges, Republic of Indonesia</li> <li>5) Dr. Weon-Eui KANG, Director, Highway Engineering Research Dept. Korea Institute of Construction Technology, Republic of Korea</li> <li>6) Mr. Pothong NGONPHACHANH, Deputy Director General, Department of Roads, Ministry of Communication, Transport, Post and Construction, Lao People’s Democratic Republic</li> <li>7) Mr. Amrullah KAMAL, Deputy Director 3, Public Work Department, Malaysia</li> <li>8) Mr. Ramesh Raj BISTA, Deputy Director General, Department of Road, Nepal</li> <li>9) Mr. Bashir AHMED, Director (Roads), Ministry of Communication, Islamic Republic of Pakistan</li> <li>10) Mr. Raul Conde ASIS, Assistant Secretary, Department of Public Works and Highways, Republic of the Philippines</li> </ol>
Participants	120



## The 16th International Symposium on National Land Development and Civil Engineering in Asia

Duration	December 3, 2007
Place	Hotel Shiragiku, Beppu
Host	National Institute for Land and Infrastructure Management
Theme	Integrated Water Resource Management Adapting to the Global Climate Change in Asia
Program	<p><b>Lectures</b></p> <p>1) Integrated Water Management under the Global Warming Scenario          –Case Study of Northern Kyusyu with Scarce Water Resources–          Dr. Kenji JINNO          Professor, Faculty of Engineering, Kyushu University</p> <hr/> <p><b>Presentation and Discussion</b> “Integrated Water Resource Management Adapting to the Global Climate Change in Asia”          - M.C.: Mr. Kazunori OODAIRA, Director, River Dept., NILIM          -Panelists:</p> <ol style="list-style-type: none"> <li>1) Dr. Kenji JINNO, Professor, Faculty of Engineering, Kyushu University</li> <li>2) Mr. Shin TSUBOKA, Director General, NILIM</li> <li>3) Mr. Yoshinori ASHIDA, Director, Planning Dept., Kyusyu Regional Bureau, MLIT</li> <li>4) Mr. Dhinadhayan MURUGESAN, Assiatant Adviser of Public Health and Environmental Engineering, Central Public Health and Environmental Engineering Organization, Ministry of Urban Development, India</li> <li>5) Dr. Seok-Young YOON          Director, Policy Research Division , Korea Institute of Construction Technology, Republic of Korea</li> <li>6) Mr. Wan Abd Rahim Bin WAN ABDULLAH, Director, Sewerage Services Dept., Ministry of Energy, Water &amp; Communication, Malaysia</li> <li>7) Dr. Judy Famoso SESE, Director III, Bureau of Research &amp; Standards, Dept. of Public Works and Highways, Republic of the Philippines</li> <li>8) Ms. Paniyanduwege Nalanie Sriyalatha YAPA, Deputy General Manager, National Water Supply &amp; Drainage Board, Democratic Socialist Republic of Sri Lanka</li> <li>9) Ms. DANG Anh Thu, Expert (environmental management and urban planning), Department of Urban Technical Infrastructure, Ministry of Construction, Socialist Republic of Vietnam</li> </ol>
Participants	100

## The 17th International Symposium on National Land Development and Civil Engineering in Asia

Duration	October 28, 2008
Place	Chisum Hotel & Conference Center Niigata
Host	National Institute for Land and Infrastructure Management
Theme	Prevention and Mitigation of Natural Disasters in Asia
Program	<p><b>Lectures</b></p> <p>1) Feature of Ground Disaster in 2004 Chuetsu Earthquake Dr. Satoru OHTSUKA Professor, Department of Civil and Environmental Engineering, Nagaoka University of Technology</p> <hr/> <p><b>Presentation and Discussion</b> "Prevention and Mitigation of Natural Disasters in Asia" - M.C.: Mr. Haruo NISHIMOTO, Director, Research Center for Disaster Risk Management., NILIM -Panelists: 1) Dr. Satoru OHTSUKA, Nagaoka University of Technology 2) Mr. Akihiko NUNOMURA Director General, NILIM 3) Mr. Shinji YAMAGUCHI, Deputy Director Planning Dept., Hokuriku Regional Bureau, MLIT 4) Mr. Habibullah HABIB, Islamic Republic of Afghanistan 5) Mr. Katry PHUNG (Ph.D.), Kingdom of Cambodia 6) Mr. Amit JAIN, Republic of India 7) Mr. Dading SUGANDHI, Republic of Indonesia 8) Mr. Hojjat Ali SHAYANFAR, Islamic Republic of Iran 9) Mr. Mushtaq Ali ZAKA, Islamic Republic of Pakistan 10) Ms. Janette Mati SADIE, Republic of the Philippines 11) Ms. Huong Thi Lan HUYNH, Socialist Republic of Viet Nam</p>
Participants	107