The Fifth International Conference on Bridge Maintenance, Safety and Management
IABMAS 2010

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July 11-15, 2010

International Association for Bridge Maintenance and Safety (IABMAS)
The International Association for Bridge Maintenance and Safety (IABMAS) encompasses all aspects of bridge maintenance, safety and management. Specifically, it deals with: bridge repair and rehabilitation issues; bridge management systems; needs of bridge owners, financial planning, whole life costing and investment for the future; bridge related safety and risk issues; economic and other implications. The objective of IABMAS is to promote international cooperation in the fields of bridge maintenance, safety and management for the purpose of enhancing the welfare of society. For more information about the Association, please visit the homepage of IABMAS at: http://www.iabmas.org

Delegates
The Conference will be of interest to university researchers, representatives from all sectors of bridge engineering, bridge engineers working with transportation departments, consultants, contractors, and local authorities interested in all aspects of bridge maintenance, safety and management.

Venue
IABMAS2010 Conference will be held in downtown Philadelphia at the Loews Hotel from July 11-15, 2010. A block of rooms has been reserved at the hotel for the participants. Granted a charter in 1701, Philadelphia, also known as “the City of Brotherly Love”, is the fifth largest city in the United States with a population of just over 6.2 million people. Philadelphia is known as the city of neighborhoods. Philadelphia is rich in colonial history and the history of the American Revolution. Notable attractions include the Betsy Ross House, the Liberty Bell Center, Independence Hall, the National Constitution Center, the Old City District, the U.S. Mint and the Franklin Institute. Philadelphia is also a vibrant and rich center for arts and culture. Philadelphia offers museums, the performing arts, and more. Walk across the South Street Bridge, for pedestrians only, and take a walk on South Street. Visit Penns Landing where there are open air concerts on the great plaza. Visit the historic ships, the Independence Seaport Museum or just walk along the water. Philadelphia is also home to wonderful eating establishments that span the spectrum of culinary and cultural traditions.

Language
The official language of the conference and proceedings will be English.

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ATLSS, Center for Advanced Technology for Large Structural Systems, USA
PITA, Pennsylvania Infrastructure Technology Alliance, USA
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AASHTO American Association of State Highway and Transportation Officials, USA
ACI, American Concrete Institute, USA
ACIAP, Associazione Italiana Calcestruzzo Armato e Precompresso (Italian Association for Reinforced and Prestressed Concrete), Italy
AIoA, Associazione di Ingegneria Offshore o Mariana (Association of Offshore and Marine Engineering), Italy
ASCSP, The Portuguese Group of IABMAS, Portugal
CAU, Chug-Ang University, Korea
CERC, Civil Engineering Research Information Center, Korea
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CITE, Coelegio dei Tecnici dell’Edilizia (Italian Society of Building Engineers), Italy
COSEK, Computational Structural Engineering Institute of Korea, Turkey
ECCS, European Convention for Constructional Steelwork, Belgium
FHWA, Federal Highway Administration, USA
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IACCE, International Association for Life-Cycle Civil Engineering, Italy
CASSAR, International Association for Structural Safety and Reliability
ISSE, Institute for Sustainability and Innovation in Structural Engineering, Portugal
JSCE, Japan Society of Civil Engineers, Japan
JSSC, Japanese Society of Steel Construction, Japan
JAMS, Japan Society of Materials Science, Japan
ISTEC, Smart Infra-Structure Technology Center, KAST, Korea
KU, Kansai University, Osaka, Japan
KBC, Korea Bridge Design & Engineering Research Center, Korea
KCI, Korean Concrete Institute, Korea
KEC, Korea Expressway Corporation, Korea
KCT, Korea Institute of Construction Technology, Korea
KISTEC, Korea Infrastructure Safety & Technology Corporation, Korea
KSSC, Korea Society of Steel Construction, Korea
KU-CEER, Kyusou University, Dept. of Civil and Earth Resources Energy, Japan
AJOI, Mongi University, Korea
RCU, Russian College of Engineering and Applied Science, Lehigh University, USA
PCL, Precast/Prestressed Concrete Institute, USA
Politecnico di Milano, Italy

MS1: Futuristic Bridge Maintenance Technologies, Fun Spencer
MS2: Assessment & Assessment of Bridges using Novel Techniques, Stravos, Frangopol
MS3: Present and Future of Bridge inspection and Evaluation, Aliasami, Arafal
MS4: Research and Applications in Bridge Health Monitoring, Goh, Cris, Farajzadeh, Frangopol
MS5: The new procedures for bridge rehabilitation, Popa, Bakht, Zidaric, Bakht
MS6: Measurement Systems for Bridge Weld-In Motion (B-WIM), Bakht, Bakht, Bakht
MS7: Special Session on Bridge Management, Bakht, Bakht, Bakht
MS8: Uncertainty in Bridge Damageability and Modelling, Shinozou
MS9: Performance Based Asset & Risk Management of Highway Infrastructure System, Aytan
MS10: Symposium on Bridging the Data Gaps for Effective Management, Goh
MS11: Future Bridge Maintenance Technologies, Kwon
MS12: Computational Prediction and in Field Validation of Bridge Performance, Biowleti, Rintempeli, Frangopol
MS13: Management and Maintenance of Long Span Bridges, Chen, Frangopol
MS14: SmartEN Marie Curie ITN - Smart Management for Sustainable Human Environment, Drousalu, Helmerich
MS15: European Approach on Integrated Infrastructure Risk Management (IIRM), Worr
MS16: Safety and Management of Bridges in Mexico, Delcon
MS17: COWI Group Mini-Symposium, Jensen
MS18: Lifetime Design of Super Long Bridges, Avn

Special Sessions
SS1: Use of Health Monitoring for Life Cycle Cost Optimization, Frangopol, Oruni
SS2: Safety Monitoring & STD: Super Long Bridges, Chen
SS3: Bridge Condition Assessment, Miyamoto, Tandao
SS4: Bridges for High Speed Railways, Caicada
SS5: Industrial Smart Material Applications for Civil Infrastructure (EMRF), Massevay
SS6: Advances in Structural Robustness: Dependability Framework, Borecci
SS7: Bridge Adaption to the Environmental and Climatic Changes, Peyo
SS8: Nondestructive Schemes for Structural Safety and Reliability of Bridges, Aranje
SS9: Life Cycle Bridge Engineering in Korea, Cho, Kong
SS10: ARCHES: Rehabilitation and Certification of European Highway Structures, Werdink, Gaoz
SS11: IRS Research and Applications on BC Bridges, Akitan
SS12: Current Advancements in Bridge Technologies, Malaysia
SS13: Using Technology to Manage, Preserve, and Renew Landmark Signature Bridges, Loaden, Moon
SS14: Modeling of Bridge Seismic Response, Flournoy
SS15: Recent Challenging Bridge Structures, Darnworth
SS16: Life-Cycle Design of Structural Systems, Bivon, Frangopol
SS17: Structural Design for Civil Infrastructure (ISMA), Messervey
SS18: Optical Monitoring Techniques for Bridge Maintenance and Safety, Sumitro, Mizukada
SS19: Implementation of Bridge Management Administration in Japan, Furuda, Mutsukada
SS20: Challenges for Enhancing Bridge Security, Duccu
SS21: Structural Monitoring of Bridges: Hong Kong’s Experience, Xu, Nai
SS22: Performance-Based Design for Steel Structures, Kim
SS23: Steel Bridge Rehabilitation, Sakano
SS24: New Developments in Bridge Design CODES, Nowak
SS25: WIM-Based Live Loads for Bridges, Nowak
SS26: High Performance Concrete - Lessons from Last Decade, Olay
SS27: Construction, Architecture & Testing of Steel-Ill Bridges, Mawko, Beiben
SS28: Lessons Learned from Instrumented Bridges, Feng
SS29: Chinese Bridges, Tonky

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Accommodation
The organizers have arranged block reservations with the Loews Hotel, Philadelphia. PA offering a special rate for the participants of this event. For further information please see our website (http://www.iabmas2010.org) for updates.