



International Association for Wind Engineering

IAWE AWARDS CEREMONY

Date: *Wednesday July 13, 2011*

Place: *The conference dinner of ICWE13,
NH Grand Hotel Krasnapolsky, Wintertuin
Amsterdam, The Netherlands*

IAWE Senior Award and Davenport Medal



John D. Holmes



Masaru Matsumoto



Giovanni Solari



Barry J. Vickery

IAWE Junior Award



Tracy Kijewski-Correa



Claudio Mannini



Maria Pia Repetto



Atsushi Yamaguchi



International Association for Wind Engineering

Dr. John D. Holmes is awarded the IAWE Senior Award for his many practical contributions to modeling and analyses of wind effects on structures and development of wind load standards

Dr. Holmes is Director of JDH Consulting, and is an Adjunct Professor at James Cook University, Australia; He has also had previous appointments in recent years as visiting Professor in the United States, Canada and Japan. He has many contributions in research and practical applications, and international involvement in wind engineering, spanning more than 30 years. Dr. Holmes is the author or co-author of some 300 journal papers, conference presentations, and research and consulting reports. He is also the author of: "Wind Loading of Structures". He is Editor-in-Chief of Wind and Structures, as well as a member of the Editorial Boards of the Journal of Wind Engineering and Industrial Aerodynamics and Engineering Structures. Dr. Holmes is the Chair of the wind loads subcommittee for Australia and New Zealand standard, AS/NZS1170.2:2011, and has been actively involved in the writing of these standards since 1981. He was a Regional Coordinator for IAWE in 1999-2005. He is an acknowledged leader in the field of wind engineering. His research activities span a wide spectrum applications to statistical analysis of wind speeds, the mechanics of windborne debris, equivalent static load method that relate structural load effects to the spatial and temporal variation of wind loads on buildings, large roofs and towers, and the study of internal pressures.

Dr. Masaru Matsumoto is awarded the IAWE Senior Award for his many contributions to bluff body aerodynamics and aeroelasticity

After graduating from the Department of Civil Engineering, Faculty of Engineering, Kyoto University in 1967, Dr. Masaru Matsumoto completed Masters and Doctorate degrees at Kyoto University. Since 1972, he has been engaged in research works at the Bridge Engineering Laboratory in Kyoto University till his retirement from Kyoto University in 2008. He has also played a substantial supervising role on wind resistance design in technical committee of various public long-span bridges projects including in Japanese local governments, Hanshin Express-way Authority and Honshu-Shikoku Bridge Authority. Thus, he has greatly contributed to society in the field of wind engineering for bridges. His majoring fields are mainly bluff body aerodynamics, in particular, vortex-induced vibration, galloping and torsional flutter instability, and coupled flutter instability of plate-like structures, and inclined cable aerodynamics. He has carried out not only wind tunnel tests but also analytical studies. His studies have been published/presented in many Journals and conferences. He has also given lectures for International School on bridge aerodynamics and bluff body aerodynamics, keynote speeches and invited speeches at International Conferences. He was awarded the Tanaka Prize from the Japan Society of Civil Engineers in 1990, and the Scanlan Medal from ASCE in 2007. He was also awarded the Wind Engineering Award from JAWE (Japan Association of Wind Engineering) in 2008. He has promoted research activities on wind engineering in the Asian-Oceanian Area as regional representative of IAWE. He was president of JAWE. After retirement from Kyoto University he has continued research activity by organizing research groups on bluff body aerodynamics and flutter instability in Japan.

Dr. Giovanni Solari is awarded the IAWE Senior Award for his many contributions to the modeling of dynamic wind load effects on structures with applications to building standards

Giovanni Solari was born in Genova, on January 9, 1953. Since 1990 he has been professor of Structural Engineering. He coordinates a Wind Engineering Research Group of about 20 people including permanent staff members, post-doc researchers and doctoral students. In 2006, he received ASCE the Jack E. Cermak Medal. From 2003 to 2007 he was president of the International Association for Wind Engineering. From 1999 to 2003 he was president of the Italian Association for Wind Engineering. From 1997 to 2005 he was co-editor of Wind & Structures. From 1995 to 2003 he was coordinator of the European and African Region of IAWE. He is a member of the Ligurian Academy of Science and Letters, editorial board member of International Journals, and a member of the GCOE Program Advisory Board at TPU. His scientific activity in wind engineering and structural dynamics led to the publication of about 300 papers, of which about 100 were in refereed journals. He is co-author of a book, chairman of International Conferences and Advanced Schools, editor of books, keynote speaker at international conferences, and a member of international committees for standards. He was co-responsible for the Ligurian Meteo-Hydrological Centre, a member of the Scientific Committee for the Messina Strait Bridge, scientific responsible for the European Project Wind and Ports.



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Dr. Barry J. Vickery is awarded the IAWE Senior Award for his many fundamental contributions to the modeling of wind load effects on tall slender structures

Dr. Barry J. Vickery was one of the pioneers of wind engineering research making seminal contributions in numerous areas. Amongst Dr. Vickery's numerous contributions to research are the following: i) He was amongst the first to examine the effects of turbulence on bluff body flows, his paper "Fluctuating Lift and Drag on a Long Cylinder of Square Cross Section in a Smooth and in a Turbulence Stream", in the Journal of Fluid Mechanics is still highly cited and formed the basis for much of his later work on vortex-induced response of chimneys; ii) He was among those, including Davenport and Velozzi and Cohen who developed the gust factor approach for application to design codes. His 1971 method for along-wind responses of tall structures is still the basis for modern design standards; iii) His contributions to the prediction of the cross-wind response of tall structures with circular cross-sections such as chimneys and spires is recognized world-wide and has been implemented in many design standards; iv) His work on internal pressures laid the foundation for this area of research, particularly pertaining to the effects of a flexible building envelope and for buildings with multiple openings; v) He was among the first to identify the importance of different storm types in extreme value statistics of wind speed in Australia.

Dr. Tracy Kijewski-Correa is awarded the IAWE Junior Award for her many contributions to the full-scale monitoring of tall buildings and system identification

Dr. Tracy Kijewski-Correa is Linbeck Associate Professor and Associate Chair of the Department of Civil Engineering and Geological Sciences at the University of Notre Dame. Dr. Kijewski-Correa is most recognized for her contributions to full-scale monitoring of some of the world's signature tall buildings and correlating their measured responses with wind tunnel predictions and design assumptions. This has led to the real-time monitoring of buildings in several countries, including Burj Khalifa in Dubai. Dr. Kijewski-Correa and her colleagues have been working to establish cyber-collaboratories including VORTEX-Winds and a new Citizen Engineering paradigm for the design of tall buildings under wind. Dr. Kijewski-Correa has assembled teams to address societal grand challenges, including a new initiative called CYBER-EYE: A Cyber-Collaboratory for National Risk Modeling and Assessment to Mitigate the Impacts of Hurricanes in a Changing Climate. Her educational and service activities directed at hurricane-prone developing countries are noteworthy. This began with her Civil Engineering Service projects course that enables students to design and construct bridges for remote communities in various regions of Central America and a new initiative for multi-hazard resilient, sustainable housing designs for Haiti.

Dr. Claudio Mannini is awarded the IAWE Junior Award for his many contributions to the modeling of dynamic wind load effects

Dr. Claudio Mannini is a Post-doctoral research fellow at CRIACIV/Dept. Civil and Environmental Engineering, University of Florence, Italy. He received his PhD degree at the University of Florence–TU Braunschweig in May 2006. His dissertation title was Flutter Vulnerability Assessment of Flexible Bridges. His main research interests are related to bridge deck flutter, vortex-induced vibrations, bluff body aerodynamics and computational fluid dynamics. He received the award of the Italian National Association for Wind Engineering (ANIV) "For a scientific paper by a young researcher on the themes of wind engineering" on June 2008.



International Association for Wind Engineering

Dr. Maria Pia Repetto is awarded the IAWE Junior Award for her many contributions to the modeling of wind induced fatigue

Dr. Maria Pia Repetto is an Assistant Professor of Structural Engineering at the Department of Civil, Environmental and Architectural Engineering of the University of Genova, where she has been involved in educational activities in the field of wind engineering. Her enthusiasm has attracted several students towards this matter and opened wide cooperation projects. Since the beginning of her scientific activities, Maria Pia has carried out outstanding studies on wind engineering, with particular interest in the wind-induced dynamic response and fatigue of slender structures. She has also worked in the fields of wind climatology and forecast, and on the reliability analysis of structures and infrastructures. She is the author of over 40 scientific papers, many of which have been published in international journals with referees. Maria Pia is a reviewer for international journals and research institutions. She has coordinated many wind engineering research projects, financed by public and private institutions, showing a special skill in creating excellent personal and professional relationships.

Dr. Atsushi Yamaguchi is awarded the IAWE Junior Award for his many contributions to computational wind engineering especially the predictions of local winds

Dr. Atsushi Yamaguchi has been an assistant professor at the University of Tokyo since 2006. He has been working on the development of a dynamical statistical downscaling approach for the prediction of local wind climates. In this method, the dynamical downscaling of meteorological phenomena up to meso-scale and the CFD simulation to account for the effect of the local topography were statistically combined, which enabled efficient and accurate local wind climate assessment without onsite measurement. For this contribution, he received an award for an outstanding research publication, from Japan Society of Civil Engineering in 2006. He has also worked on local wind forecasting and has developed a method for combining the forecast based on physical modeling and statistical modeling. Based on this idea, he contributed to the national research project on developing wind power forecasting model in Japan.

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