



DRAFT Conference Program for 11ACWE

Monday, June 22, 2009

4:00 PM - 7:00 PM	AAWE Board Meeting
7:00 PM - 9:00 PM	Welcome and Ice breaker (Everyone)
8:00 PM - 11:00 PM	ASCE/TCWE - Environmental Wind Engineering Committee Meeting

Track 1 (Room A)	Track 2 (Room B)	Track 3 (Room C)
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Tuesday, June 23, 2009

7:00 AM - 9:00 AM	Continental Breakfast		
8:00 AM - 9:00 AM	Keynote Speaker: Dr. Mark Powell		
9:00 AM - 9:30 AM	"Tropical Cyclone Destructive Potential by Integrated Kinetic Energy"		
9:30 AM - 11:00 AM	Break, Posters and Exhibitors		
9:30 AM - 11:00 AM	Tropical Climate	CFD and simulated winds 1	Environmental wind engineering 1
11:00 AM - 12:30 PM	Wind climate and forecasting	CFD and simulated winds 2	Environmental wind engineering 2
12:30 PM - 1:45 PM	Lunch, Posters and Exhibitors		
1:45 PM - 2:15 PM	Special Presentation	Special Presentation	Special Presentation
2:15 PM - 3:45 PM	Wind measurements 1	Bridge Aerodynamics 1	Aerodynamics 1
3:45 PM - 5:15 PM	Wind measurements 2	Bridge Aerodynamics 2	Aerodynamics 2
7:00 PM - 11:00 PM	Awards dinner		

Wednesday, June 24, 2009

7:00 AM - 9:00 AM	Continental Breakfast		
8:00 AM - 9:00 AM	Keynote Speaker: Dr. Emil Simiu		
9:00 AM - 9:30 AM	"Wind Loading Codification in the Americas: Fundamentals for a Renewal"		
9:30 AM - 11:00 AM	Break, Posters and Exhibitors		
9:30 AM - 11:00 AM	Wind damage assessments and mitigation 1	Wind damage assessments and mitigation 2	Aerodynamics 3
11:00 AM - 12:30 PM	Wind loss estimation and modeling 1	Wind damage assessments and mitigation 3	Tall buildings and structures 1
12:30 PM - 1:45 PM	Lunch, Posters and Exhibitors		
1:45 PM - 2:15 PM	Special Presentation	Special Presentation	Special Presentation
2:15 PM - 3:45 PM	Wind loss estimation and modeling 2	Loads and wind induced effects 1	Tall buildings and structures 2
3:45 PM - 5:15 PM	Wind loss estimation and modeling 3	Loads and wind induced effects 2	Loads and wind induced effects 3

Thursday, June 25, 2009

7:00 AM - 9:00 AM	Continental Breakfast		
8:00 AM - 9:00 AM	Keynote Speaker: Dr. Peter Irwin		
9:00 AM - 9:30 AM	"Wind Engineering Research Needs, Building Codes and Project Specific Studies"		
9:30 AM - 11:00 AM	Break, Posters and Exhibitors		
9:30 AM - 11:00 AM	Windborne debris and glass wind response	Low-rise buildings 1	Special structures and applications 1
11:00 AM - 12:30 PM	Structural reliability 1	Low-rise buildings 2	Special structures and applications 2
12:30 PM - 1:45 PM	Lunch, Posters and Exhibitors		
1:45 PM - 2:15 PM	Special Presentation	Special Presentation	Special Presentation
2:15 PM - 3:45 PM	Structural reliability 2	Wind energy	Special structures and applications 3
3:45 PM - 5:15 PM	Panel Session - Organized by ATC		

Friday, June 26, 2009

10:00 AM - 12:00 PM	Short Course: Designing for Wind Effects" by T. Stathopoulos and A. Kareem (Morning session)	<i>Committee meeting (Group 1)- Open !!</i>
12:00 PM - 1:00 PM	Lunch	
1:00 AM - 3:00 AM	Short Course: Designing for Wind Effects" by T. Stathopoulos and A. Kareem (Afternoon session 1)	<i>Committee meeting (Group 2)- Open !!</i>
3:00 AM - 3:15 AM	Break	
3:15 AM - 5:00 AM	Short Course: Designing for Wind Effects" by T. Stathopoulos and A. Kareem (Afternoon session 2)	<i>Committee meeting (Group 3)- Open !!</i>

Thank you to our Sponsors!!





DRAFT - Conference Schedule for 11ACWE

Track 1 (Room: Ponce de Leon A)			
Start	End	Corresponding author	Title

Monday, June 22, 2009

4:00 PM	- 7:00 PM	AAWE Board Meetings	
7:00 PM	- 9:00 PM	Welcome to 11ACWE and Ice Break	
8:00 PM	- 11:00 PM	ASCE/TCWE - Environmental Wind Engineering Committee Meeting	

Tuesday, June 23, 2009

7:00AM	- 9:00AM	Continental Breakfast	
Keynote Speaker			
8:00 AM	- 9:00 AM	M.Powell	Tropical Cyclone Destructive Potential by Integrated Kinetic Energy
9:00 AM	- 9:30 AM	All	Break, Posters and Exhibitors
Tropical Wind Climate			
9:30 AM	- 9:48 AM	S.Bjarnadottir	The Potential Impact of Climate Change on Hurricane Risk Assessment
9:48 AM	- 10:06 AM	J.Sánchez-Sesma	Atlantic Tropical Cyclone Maximum Wind Speeds: A Reassessment and Analysis of Values and Their Multidecadal Scale Oscillations & Trends for the Caribbean and Gulf of Mexico
10:06 AM	- 10:24 AM	I.Giammanco	Texas Tech University's Hurricanes at Landfall Project 2008
10:24 AM	- 10:42 AM	N.Rodríguez-Cuevas	Statistical Anomalies due to "La Niña" events on the Southern Mexican States, and on Hurricane Trajectories
10:42 AM	- 11:00 AM	J.Sánchez-Sesma	Atlantic Tropical Cyclone Frequency and Intensification Long-term Forecast: An Analysis Based on Multi-decadal Analogues and Multicentennial Proxy Records
Wind Climate and Forecasting			
11:00 AM	- 11:18 AM	F.Castellanos	Average Hourly Wind Speed Forecasting with ANFIS
11:18 AM	- 11:36 AM	J.Holmes	Extreme wind climatology of North Dakota- an example of storm type separation using ASOS 1-minute data
11:36 AM	- 11:54 AM	F.Lombardo	Location and Storm Type Effects in the Estimation of Extreme Wind Speeds
11:54 AM	- 12:12 PM	C.Muñoz-Black	Design Wind Speeds for Mexico: An optimum approach of wind design of structures
12:12 PM	- 12:30 PM	R.Vega	Extreme wind climatology in mixed climates
12:30 PM	- 1:45 PM	Lunch, Posters and Exhibitors	
Digital Hurricane Consortium			
1:45 PM	- 2:15 PM	M.Forrest	
Wind measurements - Part 1			
2:15 PM	- 2:33 PM	L.Aponte-Bermudez	FCMP Tropical Cyclones Wind Speed Measurements database: Revisiting the Roughness Coefficients Estimation and Turbulent Intensities
2:33 PM	- 2:51 PM	M.Burton	Predicting Design Wind Speeds from Anemometer Records: Some Interesting Observations between Anemometer Type and Recording Method
2:51 PM	- 3:09 PM	S.Chen	Site-specific Wind Data Acquisition and Analysis with Geospatial Mobile Testing Technology
3:09 PM	- 3:27 PM	G.Gaonkar	Toward Constructing Analytical Models of Turbulence from a Database for Complex Terrains
3:27 PM	- 3:45 PM	I.Giammanco	Observations of Tropical Cyclone Low-level Wind Maxima
Wind measurements - Part 2			
Wind fields in gust fronts			
3:45 PM	- 4:03 PM	M.Kasperski	Effects of Tower Shadowing on Anemometer Data
4:03 PM	- 4:21 PM	W.Lubitz	Full-Scale Strong Winds from a Time-Varying Perspective
4:21 PM	- 4:39 PM	K.Orwig	Innovative Technologies to Investigate Fine-Scale Atmospheric Motions and Their Impact
4:39 PM	- 4:57 PM	J.Schroeder	Measurement on the Wind Characteristics for a Turbulent Boundary Layer Flow over the Embankment with Mild Slope Angle
4:57 PM	- 5:15 PM	B.Shiau	
7:00 PM	11:00 PM	Awards dinner	



DRAFT - Conference Schedule for 11ACWE

Track 1 (Room: Ponce de Leon A)			
Wednesday, June 24, 2009			
7:00AM	-	9:00AM	Continental Breakfast
Keynote Speaker			
8:00 AM	-	9:00 AM	E.Simiu Wind Loading Codification in the Americas: Fundamentals for a Renewal
9:00 AM	-	9:30 AM	All Break, Posters and Exhibitors
Wind damage assessment and mitigation - Part 1			
9:30 AM	-	9:48 AM	R.Konz Impact of Hurricane Ike on Industrial Facilities
9:48 AM	-	10:06 AM	K.Court Performance of High Rise Structures in Hurricanes Wilma and Ike
10:06 AM	-	10:24 AM	K.Court Damage Observations in the Aftermath of Hurricane Ike
10:24 AM	-	10:42 AM	J.Womble Intended Use and Potential Misuse of the EF Scale
10:42 AM	-	11:00 AM	Open slot Open slot
Wind loss estimation and modeling - Part 1			
11:00 AM	-	11:18 AM	A.Dabral Regional Economics and its Impact on Vulnerability
11:18 AM	-	11:36 AM	V.Jain Statistical Analysis of 2004 and 2005 Hurricane Claims Data
11:36 AM	-	11:54 AM	C.Friedland Loss-Consistent Categorization of Hurricane Wind and Storm Surge Damage for Residential Structures
11:54 AM	-	12:12 PM	H.He Modeling Relative Spatial and Temporal Hurricane Wind Vulnerability of the Building Stock in the US
12:12 PM	-	12:30 PM	J.Pinelli Vulnerability of low-rise commercial-residential buildings in the Florida Public Hurricane Loss Model
12:30 PM	-	1:45 PM	Lunch, Posters and Exhibitors
1:45 PM	-	2:15 PM	E. Kiesling Introducing the ICC/NSSA Standard for Design and Construction of Storm Shelters
Wind loss estimation and modeling - Part 2			
2:15 PM	-	2:33 PM	A.Dabral Gust Factor and its Implication on Damage
2:33 PM	-	2:51 PM	C.Kafali A Methodology for Estimating Typhoon Losses to Building Environment in Japan
2:51 PM	-	3:09 PM	S.Khan Modeling Severe Thunderstorm Risk in the United States
3:09 PM	-	3:27 PM	P.Apirakvorapinit Hurricane Damage Analysis Using a Wind Damage Simulator for Low-Rise Structures with Gable Roof
3:27 PM	-	3:45 PM	V.Jain Modeling Wind-Storm Business Interruption Losses for Insurance Portfolios
Wind loss estimation and modeling - Part 3			
3:45 PM	-	4:03 PM	A.Boissonnade Micro-Economic Analysis of Major Hurricane Events for Improved Assessment of Economic and Insured Losses
4:03 PM	-	4:21 PM	A.Dabral Hurricane Ike: Model Performance
4:21 PM	-	4:39 PM	D.Reed Wind-Induced Lifeline Damage
4:39 PM	-	4:57 PM	L.Zhang Wind Vulnerability Assessments on Wood Frame and Masonry Structures
4:57 PM	-	5:15 PM	Open slot



DRAFT - Conference Schedule for 11ACWE

Track 1 (Room: Ponce de Leon A)			
Thursday, June 25, 2009			
7:00AM	-	9:00AM	Continental Breakfast
Keynote Speaker			
8:00 AM	-	9:00 AM	P.Irwin Wind Engineering Research Needs, Building Codes and Project Specific Studies
9:00 AM	-	9:30 AM	All Break, Posters and Exhibitors
Windborne debris and glass wind response			
9:30 AM	-	9:48 AM	A.Borges-Irizarry Impact of Windborne Debris on Storm Shutters
9:48 AM	-	10:06 AM	P.Apirakvorapinit A Study of Debris Effects on Damage Functions of Low-Rise Wood Structures
10:06 AM	-	10:24 AM	B.Kordi The effect of local flow field on the flight on wind-borne debris
10:24 AM	-	10:42 AM	E.lizumi Full-scale tests of glass plate under fluctuating wind loads
10:42 AM	-	11:00 AM	Open slot Open slot
Structural reliability - Part 1			
11:00 AM	-	11:18 AM	A.Lopez Lopez Reliability and vulnerability analysis of electrical substations and transmission towers for definition of wind and seismic damage maps for mexico
11:18 AM	-	11:36 AM	S.Amoroso Wind Load Analysis Uncertainty for Petrochemical Structures
11:36 AM	-	11:54 AM	R.Vega Wind load factors and the wind directionality analysis in mixed climates
11:54 AM	-	12:12 PM	X.Chen Estimation of Probabilistic Extreme Wind Load Effects: Influence of Randomness of Wind Load Coefficient and Wind Speed
12:12 PM	-	12:30 PM	A.Garcia-Soto Proposed Wind Load Factors for Bridge Design in Mexico
12:30 PM	-	1:45 PM	Lunch, Posters and Exhibitors
1:45 PM	-	2:15 PM	J. Holmes Comparison of wind loads calculated by fifteen different codes and standards, for low, medium and high-rise buildings
Structural reliability - Part 2			
2:15 PM	-	2:33 PM	R.Bashor Load Factors for Dynamically Sensitive Structures
2:33 PM	-	2:51 PM	D.De-Leon-Escobedo Vulnerability, Risk and Reliability of electrical facilities under strong winds in Mexico
2:51 PM	-	3:09 PM	R.Vega Probabilistic analysis of the ASCE 7 wind directionality factor
3:09 PM	-	3:27 PM	X.Chen Predicting Peak Resultant Load Effects of Wind-Excited Tall Buildings
3:27 PM	-	3:45 PM	M.Giuliani A Monte-Carlo-Based Method for the Estimation of the Dynamic Response of High-Rise Buildings Induced by Turbulent Winds
3:45 PM	-	5:15 PM	Organized by ATC Bringing Wind Research to Practice



DRAFT - Conference Schedule for 11ACWE

Track 2 (Room: Ponce de Leon C)			
Start	End	Corresponding author	Title
Monday, June 22, 2009			
4:00 PM	- 7:00 PM		AAWE Board Meetings
7:00 PM	- 9:00 PM		Welcome to 11ACWE and Ice Break
8:00 PM	- 11:00 PM		ASCE/TCWE - Environmental Wind Engineering Committee Meeting
Tuesday, June 23, 2009			
7:00AM	- 9:00AM		Continental Breakfast
Keynote Speaker			
8:00 AM	- 9:00 AM	M.Powell	Tropical Cyclone Destructive Potential by Integrated Kinetic Energy
9:00 AM	- 9:30 AM	All	Break, Posters and Exhibitors
CFD and simulated winds - Part 1			
9:30 AM	- 9:48 AM	G.Bitsuamlak	Application of an Artificial Neural Network Model for Boundary Layer Wind Tunnel Profile Development Physical simulation of stationary downburst effects and
9:48 AM	- 10:06 AM	M.De-Bórtoli	engineering applications Analytical and CFD modeling of transient internal pressure response following a sudden opening in building/cylindrical cavities
10:06 AM	- 10:24 AM	T.Guha	Turbulent Boundary Layer Development in Tornado-Like Vortices
10:24 AM	- 10:42 AM	F.Haan	Application of simulated cyclonic wind loads on roof cladding
10:42 AM	- 11:00 AM	D.Henderson	
CFD and simulated winds - Part 2			
11:00 AM	- 11:18 AM	M.Matsui	Influence of incident flow conditions on generation of tornado-like flow
11:18 AM	- 11:36 AM	H.Hangan	Numerical Study on the Effects of Surface Roughness on Tornado-like Flows
11:36 AM	- 11:54 AM	R.Selvam	Modeling the Turbulence Generated by Moving Airfoil in the Wind Tunnel
11:54 AM	- 12:12 PM	Y.Shin	RANS Simulation of Flow Past and Wind Loading on Tall Isolated and Twin Buildings
12:12 PM	- 12:30 PM	Open slot	Open slot
12:30 PM	- 1:45 PM		Lunch, Posters and Exhibitors
1:45 PM	- 2:15 PM	R.Meroney	CFD Prediction of Airflow in Buildings for Natural Ventilation
Bridge Aerodynamics - Part 1			
2:15 PM	- 2:33 PM	H.Bosch	Dynamic Properties of Stay Cables on the Penobscot Narrows Bridge Dynamic Stress Estimation Method for Bridge Elements
2:33 PM	- 2:51 PM	Y.Shao	Utilizing Linear Regression Algorithm Optimum Retrofit of Long-Span Bridges under Conflicting Objectives
2:51 PM	- 3:09 PM	S.Jung	h-Adaptive FEM and Moving Grids for Bridge Aerodynamics
3:09 PM	- 3:27 PM	S.Patro	
3:27 PM	- 3:45 PM	Open slot	Open slot
Bridge Aerodynamics - Part 2			
3:45 PM	- 4:03 PM	Z.Taylor	Geometric effects on shedding frequency for bridge sections
4:03 PM	- 4:21 PM	J.Terrés-Nicoli	Mechanisms of the Vertical Vortex-Induced Vibration of the Storeaelt Bridge
4:21 PM	- 4:39 PM	N.Jones	A Proposed Mechanism for Large-Amplitude, Wind-Induced Vibrations of Stay Cables
4:39 PM	- 4:57 PM	L.Zhao	Cross-spectral Recognition Method of Bridge Deck Aerodynamic Admittance Function Modeling of the Dynamic State-Vector Probability Distribution
4:57 PM	- 5:15 PM	L.Caracoglia	for Long-Span Bridge Buffeting Response
7:00 PM	- 11:00 PM		Awards dinner



DRAFT - Conference Schedule for 11ACWE

Track 2 (Room: Ponce de Leon C)			
Wednesday, June 24, 2009			
7:00AM	-	9:00AM	Continental Breakfast
Keynote Speaker			
8:00 AM	-	9:00 AM	E.Simiu Wind Loading Codification in the Americas: Fundamentals for a Renewal
9:00 AM	-	9:30 AM	All Break, Posters and Exhibitors
Wind damage assessment and mitigation - Part 2			
9:30 AM	-	9:48 AM	M.McCullough Anatomy of Damage to Coastal Construction: A Multi-Hazard Perspective
9:48 AM	-	10:06 AM	K.Hebert Performance of Manufactured Housing in Louisiana during Hurricanes Katrina and Rita
10:06 AM	-	10:24 AM	J.Thomas Efficacy of Damage Detection Measures for Digital Images
10:24 AM	-	10:42 AM	L.Zhang 2008 Hurricane Gustav Reconnaissance Report
10:42 AM	-	11:00 AM	G.Hart Post-Hurricane Damage Investigation
Wind damage assessment and mitigation - Part 3			
11:00 AM	-	11:18 AM	J.Womble MythBusters for Wind versus Water Damage
11:18 AM	-	11:36 AM	T.Brown Development of a Statistical Relationship between Ground-Based and Remotely-Sensed Damage in Windstorms
11:36 AM	-	11:54 AM	J.Pinelli Cost effectiveness of hurricane mitigation measures for residential buildings
11:54 AM	-	12:12 PM	C.Norman Damage Assessment of Homes and Buildings from an Engineering Point of View
12:12 PM	-	12:30 PM	R.Vega Cladding Performance of High-Rise Buildings in the Houston Central Business District during Hurricane Ike
12:30 PM	-	1:45 PM	Lunch, Posters and Exhibitors
1:45 PM	-	2:15 PM	A. Kareem Consequences of Urban Aerodynamics and Debris Impacts in Extreme Wind Events
Loads and wind induced effects - Part 1			
2:15 PM	-	2:33 PM	S.Amoroso Wind Loads for High-Solidity Open Frame Structures
2:33 PM	-	2:51 PM	B.Blocken Intercomparison of calculation models for wind-driven rain on buildings
2:51 PM	-	3:09 PM	A.Chowdury Wall of Wind : Full-scale hurricane wind and wind driven rain testing facility
3:09 PM	-	3:27 PM	V.Durañona Analysis of severe storms in Uruguay and their effect on high voltage transmission lines
3:27 PM	-	3:45 PM	D.Prevatt A Case for Standardized Dynamic Wind Uplift Pressure Tests for Wood Roof Structural Systems
Loads and wind induced effects - Part 2			
3:45 PM	-	4:03 PM	G.Nader Wind tunnel test comparison of three facilities from Brazil, Argentina and Uruguay
4:03 PM	-	4:21 PM	B.Natalini Mean loads on vaulted canopy roofs: tests in boundary layer wind tunnel
4:21 PM	-	4:39 PM	A.Pacifico Exploration of the relation between minimum pressure coefficients and small scale parameters of turbulence
4:39 PM	-	4:57 PM	N.Rodríguez-Cuevas Dynamic effects on transmission towers produced by conductor rupture
4:57 PM	-	5:15 PM	C.Subramanian Development and testing of a second generation wireless hurri



DRAFT - Conference Schedule for 11ACWE

Track 2 (Room: Ponce de Leon C)			
Thursday, June 25, 2009			
7:00AM	-	9:00AM	Continental Breakfast
Keynote Speaker			
8:00 AM	-	9:00 AM	P.Irwin Wind Engineering Research Needs, Building Codes and Project Specific Studies
9:00 AM	-	9:30 AM	All Break, Posters and Exhibitors
Low-rise buildings - Part 1			
9:30 AM	-	9:48 AM	A.John Interference Effect of Boundary Wall on Wind Loads
9:48 AM	-	10:06 AM	M. Endo Investigation of Discrepancies in Laboratory Modeling of Wind Loading on Low Buildings
10:06 AM	-	10:24 AM	D.Prevatt Equivalent Roof Panel Wind Loading for Full-Scale Sheathing Testing
10:24 AM	-	10:42 AM	T.Guha The effect of background leakage on wind induced internal pressure fluctuations in a low rise building with a dominant opening
10:42 AM	-	11:00 AM	K.Hebert <i>Wind Tunnel Tests on Industrial Shelters and Other Partially Cl</i>
Low-rise buildings - Part 2			
11:00 AM	-	11:18 AM	F.Lombardo Analysis and Interpretation of Non-Stationary Wind Flow on a Bluff Body
11:18 AM	-	11:36 AM	M.Morrison Application of Realistic Wind Loads to the Roof of a Full-Scale, Wood-Frame House
11:36 AM	-	11:54 AM	P.Sarkar Influence of Surrounding Buildings on Tornado-Induced Wind Loads of Low-Rise Buildings
11:54 AM	-	12:12 PM	V.Trung Study on wind loading on roof panels on a low-rise building: effects of parapet height and underneath volume
12:12 PM	-	12:30 PM	I.Zisis Wind-induced structural attenuation in low-rise wood buildings
12:30 PM	-	1:45 PM	Lunch, Posters and Exhibitors
Wind Energy Academic Programs			
1:45 PM	-	2:15 PM	K.Mehta
Wind energy			
2:15 PM	-	2:33 PM	R.Amano Horizontal Axis Wind Turbine Blade Design
2:33 PM	-	2:51 PM	J.Cataldo Roughness terrain consideration in a wind interpolation numerical model
2:51 PM	-	3:09 PM	L.Errasquin Aeroacoustic measurements of large chord wind turbine airfoils
3:09 PM	-	3:27 PM	J.Lebrón Interaction Between a Wind Turbine Array and a Turbulent Boundary Layer
3:27 PM	-	3:45 PM	V.Maldonado Active Control of Flow Separation and Structural Vibrations of an S809 Wind Turbine Blade
3:45 PM	-	5:15 PM	Organized by ATC Bringing Wind Research to Practice



DRAFT - Conference Schedule for 11ACWE

Track 3 (Room: El Horizonte)			
Start	End	Corresponding author	Title
Monday, June 22, 2009			
4:00 PM	- 7:00 PM	AAWE Board Meetings	
7:00 PM	- 9:00 PM	Welcome to 11ACWE and Ice Break	
8:00 PM	- 11:00 PM	ASCE/TCWE - Environmental Wind Engineering Committee Meeting	
Tuesday, June 23, 2009			
7:00AM - 9:00AM		Continental Breakfast	
Keynote Speaker			
8:00 AM	- 9:00 AM	M.Powell	Tropical Cyclone Destructive Potential by Integrated Kinetic Energy
9:00 AM - 9:30 AM		All Break, Posters and Exhibitors	
Environmental wind engineering - Part 1			
9:30 AM	- 9:48 AM	J.Marighetti	Wind tunnel comfort issues analysis
9:48 AM	- 10:06 AM	B.Shiau	Experiments on Dense Gas Jet Dispersion with Semi-circular WindBreak, Posters and Exhibitors Array in a Turbulent Boundary Layer Flow
10:06 AM	- 10:24 AM	J.Cataldo	Wind damage study and control on citric fruits
10:24 AM	- 10:42 AM	A.Wittwer	Analysis of concentration fluctuations in a plume emission model
10:42 AM	- 11:00 AM	M.Abuku	Spreading, splashing and bouncing of wind-driven raindrops on building facades
Environmental wind engineering - Part 2			
11:00 AM	- 11:18 AM	J.Cataldo	Estudio y caracterización de diferentes mallas para minimizar los efectos nocivos del viento sobre las personas.
11:18 AM	- 11:36 AM	L.Zhang	Study of Tree Environment Risks in the Severe Wind
11:36 AM	- 11:54 AM	L.Cochran	On the Influence of Shoreline Buildings on Sailing Conditions
11:54 AM	- 12:12 PM	T.van-Hooff	The influence of wind and buoyancy on natural ventilation: Application to a large semi-enclosed stadium
12:12 PM	- 12:30 PM	T. Kijewski	Real-Time Sensor Fusion to Enhance Plume Detection in Urban Zones
12:30 PM - 1:45 PM		Lunch, Posters and Exhibitors	
1:45 PM - 2:15 PM		T.Gibbs The Caribbean Application Document for ASCE 7 (Wind Loads)	
Aerodynamics - Part 1			
2:15 PM	- 2:33 PM	R.Brito	Extraction of Flutter Derivatives from Small Scale Wind Tunnel Experiments
2:33 PM	- 2:51 PM	K.Butler	Analysis of the Surface Pressure Characteristics of Prismatic Models in Gust Front and Downburst Outflows
2:51 PM	- 3:09 PM	S.Cao	Suppression of three dimensionality of vortex shedding by strong velocity shear
3:09 PM	- 3:27 PM	R.Carter	Parapet Effects on Full-Scale Wind-Induced Pressures
3:27 PM	- 3:45 PM	Open slot	Open slot
Aerodynamics - Part 2			
3:45 PM	- 4:03 PM	H.Hangan	Reynolds Number Dependency of the Near Wake Structure of a Blunt Trailing Edge Profiled Body
4:03 PM	- 4:21 PM	J.Galsworthy	Drag Crisis Instability of a Slender Pole: A Case Study
4:21 PM	- 4:39 PM	P.Karava	Internal pressures in buildings with large façade openings
4:39 PM	- 4:57 PM	H.Katsuchi	Wind-tunnel Study on Dry-galloping of Indented-surface Stay Cable
4:57 PM	- 5:15 PM	N.Kikuchi	Aerodynamic Wind Tunnel Test and Flow Visualization of Polygonal Overhead Transmission Cable
7:00 PM - 11:00 PM		Awards dinner	



DRAFT - Conference Schedule for 11ACWE

Track 3 (Room: El Horizonte)			
Wednesday, June 24, 2009			
7:00AM	-	9:00AM	Continental Breakfast
Keynote Speaker			
8:00 AM	-	9:00 AM	E.Simiu Wind Loading Codification in the Americas: Fundamentals for a Renewal
9:00 AM	-	9:30 AM	All
Break, Posters and Exhibitors			
Aerodynamics - Part 3			
9:30 AM	-	9:48 AM	G.Sabareesh Pressure Acting on a Cubic Model in Boundary-layer and Tornado-like Flow Fields
9:48 AM	-	10:06 AM	H.Hangan Wind Loading on Solar Panels at Different Inclination Angles
10:06 AM	-	10:24 AM	I.Zisis Wind Tunnel Experiments on a Patio Cover Attached to a Low-Rise Building
10:24 AM	-	10:42 AM	Z.Liu A Numerical Study of Geometric Effects on Vortex Shedding from Elongated Bluff Bodies
10:42 AM	-	11:00 AM	Open slot Open slot
Tall buildings and structures - Part 1			
11:00 AM	-	11:18 AM	G.Bituamlak Computational evaluation of wind pressures on tall buildings
11:18 AM	-	11:36 AM	J.Garber The Influence of Higher Order Modes on the Responses of Supertall Buildings to Wind
11:36 AM	-	11:54 AM	H.Hernández-Barrios Along-wind response in prismatic structures, design statements in Mexico
11:54 AM	-	12:12 PM	S.Hracov Dynamic random response of non-classically damped high-rise building due to wind excitation
12:12 PM	-	12:30 PM	W.Kim Interference effects of the local peak pressure acting on walls of tall buildings
12:30 PM	-	1:45 PM	Lunch, Posters and Exhibitors
1:45 PM	-	2:15 PM	A.Loredo
Wind tunnel tests for the validation of the New Brazilian Wind Code			
Tall buildings and structures - Part 2			
2:15 PM	-	2:33 PM	W.Warsido Dynamic optimization for the wind-induced response of a tall building
2:33 PM	-	2:51 PM	C.Muñoz-Black A comparison of cross-wind response evaluation for chimneys following different international codes
2:51 PM	-	3:09 PM	Q.Nguyen Effect of dynamic wind force on structures using spectral approaches with complex modal analysis.
3:09 PM	-	3:27 PM	M.Repetto Along-wind Induced Fatigue of Structures: Closed-Form Solution and Engineering Applications
3:27 PM	-	3:45 PM	T. Kijewski "Pseudo-Full-Scale" Evaluation of Occupant Comfort in Tall Buildings
Loads and wind induced effects - Part 3			
3:45 PM	-	4:03 PM	D.Zuo Field Observations of Traffic Signal Structure Vibration
4:03 PM	-	4:21 PM	A.Wahrhaftig Influence of damping ratio on the dynamic response of a reinforced concrete telecommunications pole
4:21 PM	-	4:39 PM	A.Poitevin Wind pressures in canopies with parapets
4:39 PM	-	4:57 PM	D.Kwon Gust-front factor based framework
4:57 PM	-	5:15 PM	B.Zachry Wind-wave interaction in the nearshore environment



DRAFT - Conference Schedule for 11ACWE

Track 3 (Room: El Horizonte)			
Thursday, June 25, 2009			
7:00 AM	-	9:00 AM	Continental Breakfast
Keynote Speaker			
8:00 AM	-	9:00 AM	P.Irwin Wind Engineering Research Needs, Building Codes and Project Specific Studies
9:00 AM	-	9:30 AM	All
Break, Posters and Exhibitors			
Special structures and applications - Part 1			
9:30 AM	-	9:48 AM	O.Gonzalez Standard Design for the Puerto Rico Electric Power Authority Subtransmission Steel Poles
9:48 AM	-	10:06 AM	S.Chen Assessment of Vehicle Safety Behavior under Adverse Driving Conditions
10:06 AM	-	10:24 AM	A.Merlano Bracing Alternatives in Tapered Frame Under Wind Loads
10:24 AM	-	10:42 AM	M.Gamboa-Marrufó Particle Image Velocimetry studies of Conical Roof Edge Vortices
10:42 AM	-	11:00 AM	Open slot
Special structures and applications - Part 2			
11:00 AM	-	11:18 AM	A.Jain Nonlinear Dynamic Analysis of an Industrial Chimney's Pile Foundation System for Hurricane Loading
11:18 AM	-	11:36 AM	C.Jen Ku Ambient vibration analysis of a spatial structure
11:36 AM	-	11:54 AM	Y.Li Wind tunnel test on Levy type cable dome
11:54 AM	-	12:12 PM	J.Marañón Experimental determination of Stationary Aerodynamics loads on a double deck bus
12:12 PM	-	12:30 PM	J.Wu Empirical Formula for Predicting Head Loss Coefficients of Uniform and Non-Uniform Tuned Liquid Column Dampers
12:30 PM	-	1:45 PM	Lunch, Posters and Exhibitors
Evacuation and Sheltering Decision Making for Hurricane			
1:45 PM	-	2:15 PM	J.Fennell & M. Levitan
Wind Hazards on the Northern Gulf of Mexico Coast			
Special structures and applications - Part 3			
2:15 PM	-	2:33 PM	Z.Liu Investigation and Assessment of Wind Storm Test Facility of ICBSR
2:33 PM	-	2:51 PM	J.Smith Validation of Facility Configuration and Investigation of Control Systems for the IBHS Windstorm Simulator
2:51 PM	-	3:09 PM	G.Alvarez-y-Alvarez Experimental analysis of wind tunnel simulation of the atmospheric boundary layer
3:09 PM	-	3:27 PM	G.Pacheco Strategies to Teach Wind Engineering Fundamentals to Undergraduate Students
3:27 PM	-	3:45 PM	V.Klass Wind Engineering Education in Guyana
3:45 PM	-	5:15 PM	Organized by ATC Bringing Wind Research to Practice