

1. Record Nr.	UNINA9910466959103321
Titolo	Wind engineering for natural hazards : modeling, simulation, and mitigation of windstorm impact on critical infrastructure // edited by Aly Mousaad Aly, Ph.D., Elena Dragomirescu, Ph.D
Pubbl/distr/stampa	Reston, Virginia : , : American Society of Civil Engineers, , [2018] ©2018
ISBN	0-7844-8184-9
Descrizione fisica	1 online resource (238 pages)
Disciplina	624.1/75
Soggetti	Wind resistant design Wind-pressure Winds - Simulation methods Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Recent and Current Wind Engineering Research at the National Institute of Standards and Technology / Dat Duthinh, Jianghua Ke, Marc L. Levitan, Sejun Park, Long T. Phan, Adam L. Pintar, Liang Shi, Emil Simiu, and DongHun Yeo -- Investigation on a Generalized Intervention Cost Function to Examine Wind-Induced Damage on Tall Buildings / Luca Caracoglia -- Wind Response Control of Tall Buildings with Flexible Foundation using Tuned Mass Dampers / Said Elias S. and Vasant Matsagar -- Wind Loading on Tall Building Structures in Consideration of Performance-Based Design / U. Y. Jeong and K. Tarrant -- Interrogation of Relation between Design Load Level and Lifetime of Individual Building and Its Element / Yukio Tamura, Di Wu, and Qingshan Yang -- Simulating the Role of Axial Flow in Stay Cable Vibrations via a Perforated Wake Splitter Plate / Ran Wang, Shaohong Cheng, and David S-K. Ting -- Longitudinal Forces on Transmission Towers due to Non-Symmetric Downburst Ground Wire Loads / Amal Elawady and Ashraf El Damatty -- Effects of Chamber Shape on Simulation of Tornado-like Flow in a Laboratory / Fangping Yuan, Guirong Yan, Ryan Honerkamp, Kakkattukuzhy M. Isaac, and Ruoqiang

Feng -- Computational vs. Wind Tunnel Simulation of Atmospheric Boundary Layer Flow for Structural Engineering Applications / DongHun Yeo and Liang Shi -- Application of Wind Fairings for Building Aerodynamic Optimization / Zhendong Xu and Jiming Xie -- Bottom Plate Slope Effects on Aerodynamic Behaviour of Hexagonal Cross-Section Bridge Deck / Md. Naimul Haque, Hiroshi Katsuchi, and Hitoshi Yamada.
