

1. Record Nr.	UNINA990009461690403321
Titolo	Categorie geografiche e problematiche di organizzazione territoriale : scritti in onore di Ricciarda Simoncelli
Pubbl/distr/stampa	Bologna, : Patron, c2005
ISBN	88-555-2848-3
Descrizione fisica	469 p. : ill. ; 24 cm
Locazione	ILFGE DECGE
Collocazione	A-G 0835 002.003. SCA
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910792002803321
Autore	Roberts Siobhan
Titolo	Wind wizard [[electronic resource]] : Alan G. Davenport and the art of wind engineering / / Siobhan Roberts
Pubbl/distr/stampa	Princeton, NJ, : Princeton University Press, 2013
ISBN	1-4008-4470-3
Edizione	[Course Book]
Descrizione fisica	1 online resource (289 p.)
Disciplina	624.1/75
Soggetti	Wind-pressure Buildings - Aerodynamics Bridges - Aerodynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- I. Sowing Wind Science -- II. Tall and Taller Towers -- III. Long and Longer Bridges -- IV. Project Storm Shelter --

[Sommario/riassunto](#)

With *Wind Wizard*, Siobhan Roberts brings us the story of Alan Davenport (1932-2009), the father of modern wind engineering, who investigated how wind navigates the obstacle course of the earth's natural and built environments--and how, when not properly heeded, wind causes buildings and bridges to teeter unduly, sway with abandon, and even collapse. In 1964, Davenport received a confidential telephone call from two engineers requesting tests on a pair of towers that promised to be the tallest in the world. His resulting wind studies on New York's World Trade Center advanced the art and science of wind engineering with one pioneering innovation after another. Establishing the first dedicated "boundary layer" wind tunnel laboratory for civil engineering structures, Davenport enabled the study of the atmospheric region from the earth's surface to three thousand feet, where the air churns with turbulent eddies, the average wind speed increasing with height. The boundary layer wind tunnel mimics these windy marbled striations in order to test models of buildings and bridges that inevitably face the wind when built. Over the years, Davenport's revolutionary lab investigated and improved the wind-worthiness of the world's greatest structures, including the Sears Tower, the John Hancock Tower, Shanghai's World Financial Center, the CN Tower, the iconic Golden Gate Bridge, the Bronx-Whitestone Bridge, the Sunshine Skyway, and the proposed crossing for the Strait of Messina, linking Sicily with mainland Italy. Chronicling Davenport's innovations by analyzing select projects, this popular-science book gives an illuminating behind-the-scenes view into the practice of wind engineering, and insight into Davenport's steadfast belief that there is neither a structure too tall nor too long, as long as it is supported by sound wind science. Some images inside the book are unavailable due to digital copyright restrictions.
