

High Rise

This chilling and distressingly plausible dystopia creates a world in which performance is everything and one woman's failure to achieve becomes another's downfall.

YURI FACES OFF AGAINST THE ADMINISTRATOR AT LAST! Does she have what it takes to end this world?! FINAL VOLUME!

Interest continues to develop in the design and construction of high-rise towers and tall buildings, structures with heights ranging from 75m to 500m and even more. This volume presents the papers from the third in a series of international conferences on the subject, organised by the International Federation of High-rise Structures. The papers have been drawn together under the grand theme of the Conquest of Vertical Space in the 21st Century. The conference has been organised by the UK's Concrete Society, and sponsored by the IFHS and the Council on Tall Buildings and Urban Habitat and the Fédération Internationale de la Précontrainte (FIP). This prestigious collaboration has brought forth a body of high quality practical and research papers.

Since the 1960s, wind tunnel testing has become a commonly used tool in the design of tall buildings. It was pioneered, in large part, during the design of the World Trade Center Towers in New York. Since those early days of wind engineering, wind tunnel testing techniques have developed in sophistication, but these techniques are not widely understood by the designers using the results. As a direct result, the CTBUH Wind Engineering Working Group was formed to develop a concise guide for the non-specialist. The primary goal of this guide is to provide an overview of the wind tunnel testing process for design professionals. This knowledge allows readers to ask the correct questions of their wind engineering consultants throughout the design process. This is not an in-depth guide to the technical intricacies of wind tunnel testing, it focusses instead on the information the design community needs, including: a unique methodology for the presentation of wind tunnel results to allow straightforward comparison of results from different wind tunnel laboratories. advice on when a tall building is likely to be sufficiently sensitive to wind effects to benefit from a wind tunnel test background for assessing whether design codes and standards are applicable details of the types of tests that are commonly conducted descriptions of the fundamentals of wind climate and the interaction of wind and tall buildings This unique book is an essential guide for all designers of tall buildings, and anyone else interested in the process of wind tunnel testing for tall buildings.

This "gorgeously written" National Book Award finalist is a dazzling, heart-rending story of an oil rig worker whose closest friend goes missing, plunging him into isolation and forcing him to confront his past (NPR, One of the Best Books of the Year). One night aboard an oil drilling platform in the Atlantic, Waclaw returns to his cabin to find that his bunkmate and companion, Mátyás, has gone missing. A search of the rig confirms his fear that Mátyás has fallen into the sea. Grief-stricken, he embarks on an epic emotional and physical journey that takes him to Morocco, to Budapest and Mátyás's hometown in Hungary, to Malta, Italy, and finally to the mining town of his childhood in Germany. Waclaw's encounters along the way with other lost and yearning souls—Mátyás's angry, grieving half-sister; lonely rig workers on shore leave; a truck driver who watches the world change from his driver's seat—bring us closer to his origins while also revealing the problems of a globalized economy dependent on waning natural resources. High as the Waters Rise is a stirring exploration of male intimacy, the nature of memory and grief, and the cost of freedom—the story of a man who stands at the margins of a society from which he has profited little, though its functioning depends on his labor.

This book discusses performance-based seismic and wind-resistant design for high-rise building structures, with a particular focus on establishing an integrated approach for performance-based wind engineering, which is currently less advanced than seismic engineering. This book also provides a state-of-the-art review of numerous methodologies, including computational fluid dynamics (CFD), extreme value analysis, structural optimization, vibration control, pushover analysis, response spectrum analysis, modal parameter identification for the assessment of the wind-resistant and seismic performance of tall buildings in the design stage and actual tall buildings in use. Several new structural optimization methods, including the augmented optimality criteria method, have been developed and employed in the context of performance-based design. This book is a valuable resource for students, researchers and engineers in the field of civil and structural engineering.

Chronicles the money, art, passion, and politics behind the design and construction of a skyscraper

High Rise and Fall tells the story of how the European commercial property industry transformed from a local, small-scale business to an international, financially sophisticated, multi-billion-euro industry that was ultimately devastated by the 2008 crash. Drawing on her experience as both former Editor of EuroProperty and Director at the European Association for Investors in Non-Listed Real Estate Vehicles (INREV), Andrea Carpenter explains how the mid-1990s saw the arrival of a new style of property investing in the European markets. Seeking high returns, impervious to risk and with a seeming indifference to the buildings at the heart of the deals, US players such as Morgan Stanley, Goldman Sachs and Lehman Brothers conquered the European property markets with an audacity that both repulsed and intoxicated the locals. Fuelled by improving economic conditions in the early 2000s, European investors were keen to emulate all or parts of the US investors' philosophy. Armed with a wall of capital, the industry expanded into the far reaches of Europe in search of returns, and piled on new risks that it did not completely understand. In her highly readable style, Carpenter analyses the mistakes made by the industry in the run-up to the crash when billions were wiped off the value of property across the region, and it became clear that in the pursuit of high returns and a place in the wider financial world, the industry had turned its back on the basics – bricks and mortar. This book is aimed at students and younger professionals studying or working in the real estate industry who need to understand the events that shaped the world they are entering into, and the lessons that can be learned from them.

"Harsh and ingenious! High Rise is an intense and vivid bestiary, which lingers unsettlingly in the mind." —Martin Amis, *New Statesman* When a class war erupts inside a luxurious apartment block, modern elevators become violent battlegrounds and cocktail parties degenerate into marauding attacks on "enemy" floors. In this visionary tale, human society slips into violent reverse as once-peaceful residents, driven by primal urges, re-create a world ruled by the laws of the jungle.

In the gripping first-person accounts of High Rise Stories, former residents of Chicago's iconic public housing projects describe life in the now-demolished high-rises. These stories of community, displacement, and poverty in the wake of gentrification give voice to those who have long been ignored, but whose hopes and struggles exist firmly at the heart of our national identity.

"Settlement Calculation on High-Rise Buildings: Theory and Application" discusses, for the first time, the latest developments in settlement calculation theory and case studies including analysis and research results for more than thirty high-rise buildings with a height of 100m-420m. Rigorously reviewed, this book provides a number of useful methods and a unique practical perspective on settlement calculation of high-rise buildings. It covers soft soil constitutive model and computation parameters, the theory of soil stress and strain, and new methods of settlement calculation in super long pile and space-varying rigidity group piles, box(raft), pile-box(raft), diaphragm wall-pile-box(raft) and rock foundation on high-rise buildings. This book is a useful design and construction resource for scientists and engineers, as well as for professionals in structural mechanics and geotechnical engineering. Professor Xiangfu Chen is chairman of the Academic Commission of China State Construction Engineering Corporation (CSCEC), chief engineer of China Construction Beijing Design and Research Institute, and a Doctoral Tutor at Tongji University Shanghai.

The wealthy inhabitants of a luxurious, well-designed apartment complex become engaged in hostilities that begin in the dropping of debris onto lower balconies and climax in drunken, marauding attacks by

rival floor tribes

This book is intended to fill a knowledge gap in the study of contemporary high-rise living. While there has been much documentation on the engineering and technological aspects of tall buildings, relatively little has been written about the social and livability of high-rise. Much less is written about Asian cities even though Asia is the current hotbed of high-rise development. Even though traditional discourse of high-rise housing is not always positive, new forces are redefining its place in 21st century urbanity. Many cities around the world are reembracing high-rise in urban agenda under current narrative of sustainable development. High-rise is fast becoming a priority area in international research agenda. The quest is for livable and sustainable high-rise development. Against the background of current trends--globalization, urbanization, mixed-use development, and new-built taller buildings in inner city areas in both developed and developing countries, this book examines the software: design, economics, estate management, legal and property rights, physical environment, planning, community development, and social dimensions of high-rise living. Analysis is with the widely acclaimed successful high-rise public housing in Hong Kong and Singapore to understand the advantages and worries of high-rise living, and to distill the key points and lessons in the making of a 'good' highrise living environment. Hong Kong and Singapore have been constructing high-rise for more than four decades each. The majority of their population has moved to live in high-rise, selecting to live high-rise, and registering consistently high residential satisfaction. The height of apartment buildings in both cities continues to rise. The tallest is anticipated to be 70-storey. It is the contention of this book that contrary to earlier common negative discourses on public high-rise living, the high-rise environment may yet offer urban residents a satisfying dwelling experience. Leading housing academics, researchers and practitioners in the two cities have contributed to this book. This book presents a timely contribution to our understanding of a widening urban phenomenon that will affect a growing number of the world's population.

High-Rise Observations and Secrets of a Doorman offers some insight into the ways in which some among us chose to live our lives, others who find themselves trapped in the complexities of life, some who create their own complexities, and some who strive to find the simplicities. It is about taking a closer look at ourselves and how we relate to one another

This book is the first systematic attempt to document statutory building control in Hong Kong. It examines 40 cases decided by the Building Appeal Board with reference to the overlapping jurisdictions of the Buildings, Lands and Planning authorities in controlling building development. The cases are categorized under nine major themes, namely 'procedures and principles', 'immediate neighbourhood', 'widths of streets', 'lanes', 'access and parking', 'stepped streets', 'means of escape', 'illegal structures and enforcement orders' and 'demolition'. Each case is examined in detail, cross-referenced and illustrated by drawings and photographs where appropriate. For each category, a list of relevant law cases and a summary of the decision criteria identified are also provided. This work should be of great value to Authorized Persons, surveyors, lawyers and town planners who practise in Hong Kong, as well as those who are interested in the policies and issues concerning building control in a high-rise and high density living environment. It should also help professional practitioners prepare for the relevant APC examinations for the Hong Kong Institute of Surveyors and other professional organizations.

The Council on Tall Buildings and Urban Habitat has produced four Technical Guides to date, since the series launched in late 2012. Each of these guides is the product of a CTBUH Working Group—committees formed specifically to address focused topical subjects in the industry. The intention of each guide is the same—to provide working knowledge to the typical building owner or professional who wants a better understanding of available options for improving tall buildings, and what affects their design. The object of the series is to provide a tool-kit for the creation of better-performing tall buildings, and to spread the understanding of the considerations that need to be made in designing tall. This technical guide offers an extensive overview of the use of vertical vegetation in high-rise buildings, an indepth analysis of green walls, definitions and typology, including standards, policies and incentives. It features comprehensive case studies, along with architectural theories of the public and private benefits of green walls. The book delves into architect-design considerations and limitations, the effects of green walls on energy efficiencies and includes recommendations and future research.

High-Rise: A Novel W. W. Norton & Company

When Tweety moves into Sylvester's apartment building, the poor puddy tat finds himself put out. Can Sylvester slip past Tweety's defenses to return to his home-sweet-home? Get ready to giggle with a hilarious Looney Tunes wordless graphic novel!

Outrigger systems are rigid horizontal structures designed to improve a building's stability and strength by connecting the building core or spine to distant columns, much in the way an outrigger can prevent a canoe from overturning. Outriggers have been used in tall, narrow buildings for nearly 500 years, but the basic design principle dates back centuries. In the 1980s, as buildings grew taller and more ambitious, outrigger systems eclipsed tubular frames as the most popular structural approach for supertall buildings. Designers embraced properly proportioned core-and-outrigger schemes as a method to offer far more perimeter flexibility and openness for tall buildings than the perimeter moment or braced frames and bundled tubes that preceded them. However, the outrigger system is not listed as a seismic lateral load-resisting system in any code, and design parameters are not available, despite the increasingly frequent use of the concept. The Council on Tall Buildings and Urban Habitat's Outrigger Working Group has addressed the pressing need for design guidelines for outrigger systems with this guide, a comprehensive overview of the use of outriggers in skyscrapers. This guide offers detailed recommendations for analysis of outriggers within the lateral load-resisting systems of tall buildings, for recognizing and addressing effects on building behavior and for practical design solutions. It also highlights concerns specific to the outrigger structural system such as differential column shortening and construction sequence impacts. Several project examples are explored in depth, illustrating the role of outrigger systems in tall building designs and providing ideas for future projects. The guide details the impact of outrigger systems on tall building designs, and demonstrates ways in which the technology is continuously advancing to improve the efficiency and stability of tall buildings around the world.

High-Rise Security and Fire Life Safety, 3e, is a comprehensive reference for managing security and fire life safety operations within high-rise buildings. It spells out the unique characteristics of skyscrapers from a security and fire life safety perspective, details the type of security and life safety systems commonly found in them, outlines how to conduct

risk assessments, and explains security policies and procedures designed to protect life and property. Craighead also provides guidelines for managing security and life safety functions, including the development of response plans for building emergencies. This latest edition clearly separates out the different types of skyscrapers, from office buildings to hotels to condominiums to mixed-use buildings, and explains how different patterns of use and types of tenancy impact building security and life safety. New to this edition: Differentiates security and fire life safety issues specific to: Office towers Hotels Residential and apartment buildings Mixed-use buildings Updated fire and life safety standards and guidelines Includes a CD-ROM with electronic versions of sample survey checklists, a sample building emergency management plan, and other security and fire life safety resources.

The classic novel of luxury and depravity, now a major motion picture. From the author of the celebrated dystopian classics *Kingdom Come*, *The Drowned World*, and *The Drought*, *High Rise* is a prescient story of class warfare. The film adaptation by acclaimed director Ben Wheatley (*Sightseers*, *Kill List*) features Academy Award® winner Jeremy Irons; BAFTA Award nominee Tom Hiddleston and Sienna Miller; Luke Evans and Golden Globe Award® winner Elisabeth Moss. When explosive loyalties form inside a luxurious apartment block isolated from the rest of society, modern elevators become fierce battlegrounds and cocktail parties degenerate into marauding attacks on “enemy” floors. In this chilling tale, humanity slips into violent reverse as once-peaceful residents, driven by primal urges, re-create a world ruled by the laws of the jungle.

This is a guide to both the basics and the details of tall building design, delving into the rudimentary aspects of design that an architect of a tall office building must consider, as well as looking at the rationale for why and how a building must be built the way it is. Liberally illustrated with clear, simple black and white illustrations showing how the building structure and details can be built, this book greatly assists the reader in their understanding of the building process for a modern office tower. It breaks down the building into three main components: the structure, the core and the facade, writing about them and illustrating them in a simple-to-understand manner. By focusing on the nuts and bolts of real-life design and construction, it provides a practical guide and desk-reference to any architect or architecture student embarking on a tall building project.

This book establishes a proper firefighting mindset and promotes maintaining preparedness for the extreme physical and mental demands of firefighting operations in high-rise and standpipe-equipped buildings ... Among the many valuable topics covered in this book are: standpipe system pressure regulating devices, pressure restricting devices and pressure reducing valves; cautious and disciplined elevator use during high-rise operations; elevator rescue operations; proper engine company suppression selection, including techniques to operate more powerful firefighting weapons with limited manpower; air support operations during high-rise emergencies, with or without an internal resource.

These short stories are written to acknowledge the challenges faced by a minority group in American Society who remain in search of life, liberty and the pursuit of happiness. Though they have become marginalized and exploited by the dominant population, they strive for respect, equal rights, equal opportunities, and equal accesses. Their persistence is strengthened in spite of, or because of the ongoing deceptive practices and hollow promises with which they must contend. I only hope that you will become inspired to support their efforts.

This book presents a simple analytical method based on the extended rod theory that allows the earthquake resistance of high-rise buildings to be easily and accurately evaluated at the preliminary design stage. It also includes practical software for applying the extended rod theory to the dynamic analysis of actual buildings and structures. High-rise buildings in large cities, built on soft ground consisting of sedimentary rock, tend to have low natural frequency. If ground motion due to an earthquake occurs at distant hypocenters, the vibration wave can be propagated through several sedimentary layers and act on skyscrapers as a long-period ground motion, potentially producing a resonance phenomenon that can cause severe damage. Accordingly, there is a pressing need to gauge the earthquake resistance of existing skyscrapers and to improve their seismic performance. This book was written by authors who have extensive experience in tall-building seismic design in Japan. The software included enables readers to perform dynamic calculations of skyscrapers' resistance to vibrations. As such, it offers a valuable resource for practitioners and engineers, as well as students of civil engineering.

Tall buildings are not the only solution for achieving sustainability through increased density in cities but, given the scale of current population shifts, the vertical city is increasingly being seen as the most viable solution for many urban centers. However, the full implications of concentrating more people on smaller plots of land by building vertically - whether for work, residential or leisure functions - needs to be better researched and understood. It is generally accepted that we need to reduce the energy equation – in both operating and embodied terms – of every component and system in the building as an essential element in making it more sustainable. Mechanical HVAC systems (Heating, Ventilation and Air-Conditioning) in tall office buildings typically account for 30-40 percent of overall building energy consumption. The increased efficiency (or possibly even elimination) of these mechanical systems – through the provision of natural ventilation – could thus be argued to be the most important single step we could make in making tall buildings more sustainable. This guide sets out recommendations for every phase of the planning, construction and operation of natural ventilation systems in these buildings, including local climatic factors that need to be taken into account, how to plan for seasonal variations in weather, and the risks in adopting different implementation strategies. All of the recommendations are based on analysis of the research findings from richly-illustrated international case studies. Tried and tested solutions to real-life problems make this an essential guide for anyone working on the design and operation of tall buildings anywhere in the world. This is the first technical guide from the Council on Tall Buildings and Urban Habitat's Tall Buildings & Sustainability Working Group looking in depth at a key element in the creation of tall buildings with a much-reduced environmental impact, while taking the industry closer to an appreciation of what constitutes a sustainable tall building, and what factors affect the sustainability threshold for tall.

The High Rise Private Eyes, animal detectives, try to find the cat who stole their neighbor's binoculars.

This unique reference gathers numerous new studies examining specific, prominent high-rise buildings around the world. Each nuanced study included undertakes the following pivotal considerations: environmental impacts; safety & social acceptability; energy consumption and comfort; planning contexts within the urban zone; physical footprint and size; services and risks;

and a careful assessment of advantages and challenges. Architects and engineers exploring and optimizing sustainable building practices, energy managers, municipal and private project planners, as well as students will find edification and inspiration in the analysis provided by esteemed practitioners and professors within this fascinating volume.

Captain Mark Winslow, NYPD, a former sheriff in Montana, moves to Manhattan after the horrific death of his wife and son in a car accident. Celibate for six years, he meets and falls in love with Attorney Kristen Miller, who lives in a Park Avenue high-rise apartment. Captain Winslow's efforts to capture two psychopaths - rapists of the worst kind - intermingle with his love life, family, friends and his six year old daughter, Pamela, who twists him like a pretzel with her logic. The rapists hold Kristen Miller captive and Captain Winslow, never one to go strictly by the rules, uses any means to rescue her.

The book deals with the geotechnical analysis and design of foundation systems for high-rise buildings and other complex structures with a distinctive soil-structure interaction. The basics of the analysis of stability and serviceability, necessary soil investigations, important technical regulations and quality and safety assurance are explained and possibilities for optimised foundation systems are given. Additionally, special aspects of foundation systems such as geothermal activated foundation systems and the reuse of existing foundations are described and illustrated by examples from engineering practice.

Originally published in 1993, this book traces how governments in France, Germany, Britain, Denmark and Ireland became involved in replacing industrial revolution urban slums with mass high-rise, high-density concrete estates. As the book considers each country's housing history and traditions, and analyses the contrasting structures and systems, it finds convergence of problems in the growing tensions of their most disadvantaged communities. The book underlines the continuing drift towards deeper polarization, an issue which has become ever more important in the multi-lingual, ethnically diverse urban societies of the 21st Century. The book's detailed coverage of the historical, political and social changes relating to housing within the various countries make it an important text for students and practitioners concerned with housing, urban affairs, social policy and administration.

This title provides the reader with complete coverage of high-rise security and safety issues. It includes comprehensive sample documentation, diagrams and photographs to aid in developing security and fire life safety programs

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