



# Below Ground Level Creating New Spaces For Contemporary Architecture

**Lauren Gardner**



## **Below Ground Level Creating New Spaces For Contemporary Architecture:**

*Below Ground Level* Ernst von Meijenfeldt, 2002-10-25 Any space that involves descending from our typical aboveground environment is a provocation to our sensory perceptions Such hidden spaces evoke latent mythical images and confront us with the clash between nature and artifice in our built environment This book explores the character use and design of underground space as a space of its own International examples of commercial premises restaurants sports facilities subway stations museums churches libraries concert halls houses and other building types form the core material Interviews with many renowned designers including Norman Foster Floris Alkemade OMA and Francine Houben Mecanoo convey the architects own views on the subject Essays reflect on the cultural aspects planning conditions design considerations technical requirements and sustainability aspects of building below ground level Chapters include Urban Development Architecture Functions Perception and Cognition Constructions Energy and Interior Climate

**Underground Space** Raymond L. Sterling, John Carmody, Yingxin Zhou, Monique Labbé, Xiaozhao Li, Jianqiang Cui, 2025-10-07 Unlocking the Hidden Potential of Cities from the Ground Down With cities worldwide facing pressures from rapid urbanization climate change and land scarcity underground space has become a vital resource for sustainable and resilient urban development *Underground Space Use Planning and Design* provides a comprehensive framework for planners engineers architects and policymakers to understand and apply underground solutions and updates a landmark reference work on the topic Combining many decades of research practice and global examples this book offers authoritative guidance on how underground space can contribute to the creation of livable future ready cities Written by a team of experts from around the globe *Underground Space* offers An understanding of the many reasons why underground space is used and when to choose to build underground Broad coverage of underground uses from transport and urban utilities to underground architectural applications Recent advances made in three dimensional urban underground planning Updated design approaches and human centered considerations for the exterior and interior design layout lighting and safety of underground spaces In depth exploration of sustainability resilience and adaptability issues Insights from several decades of hands on experience with modern underground designs *Underground Space Use Planning and Design* is an essential up to date reference on the subject for architects planners and engineers in public agencies private sectors and research institutions It is also valuable for use in courses on architectural design urban planning underground infrastructure and infrastructure provision

**Underground Urbanism** Elizabeth Reynolds, 2019-12-09 Have you ever wondered what lies beneath the streets of your city Do you picture in isolation a series of train tunnels and pipes Or perhaps the foundations of tall buildings that lie scattered like icebergs beneath the surface As our cities grow up out and down it is time we better understood how the different layers of these complex urban environments relate to one another *Underground Urbanism* seeks to provide a new perspective on our cities and consider how this might be used to engage more positively with them So tip your cities upside down to have a closer look and let us rethink them

from below the ground up

**The Culture of Nature in the History of Design** Kjetil Fallan, 2019-03-26 The Culture of Nature in the History of Design confronts the dilemma caused by design's pertinent yet precarious position in environmental discourse through interdisciplinary conversations about the design of nature and the nature of design. Demonstrating that the deep entanglements of design and nature have a deeper and broader history than contemporary discourse on sustainable design and ecological design might imply, this book presents case studies ranging from the eighteenth to the twenty-first century and from Singapore to Mexico. It gathers scholarship on a broad range of fields: practices from urban planning, landscape architecture, and architecture to engineering, design, industrial design, furniture design, and graphic design. From adobe architecture to the atomic bomb, from the bonsai tree to Biosphere 2, from pesticides to photovoltaics, from rust to recycling, the culture of nature permeates the history of design. As an activity and a profession always operating in the borderlands between human and non-human environments, design has always been part of the environmental problem, whilst also being an indispensable part of the solution. The book ventures into domains as diverse as design theory, research, pedagogy, politics, activism, organizations, exhibitions, and fiction, and trade literature to explore how design is constantly making and unmaking the environment and conversely how the environment is both making and unmaking design. This book will be of great interest to a range of scholarly fields, from design education and design history to environmental policy and environmental history.

*Learning from Logistics* Clare Lyster, 2016-02-22 In the 19th century, railroads and canals provided both structure and motor for city development. This role has been taken over today by the global flow of data and products, as the author argues. Flow of material and communication is the DNA of contemporary environments. This development has enormous and partially unfathomable implications for our city fabric. Logistics networks and their complex structure increasingly bear upon many urban spheres. Counter-trends to the ubiquitous internet retail trade, to name one of the most palpable phenomena, are gaining momentum, as well exemplified by the criticism of labor conditions in e-commerce and the trend to buy regional products from local stores. The author describes the current development and its impact on architecture, landscape architecture, and urbanism. Aspects such as today's hypermobility of both products and people have repercussions in design work and create new paradigms for architecture and urban design. Concepts for the integration of these new issues are introduced by a number of exemplary urban design projects.

**The Architects' Journal**, 2003

**Squares in Contemporary Architecture** Paolo Favole, 1995

**Architectural Publications Index**, 2003

**Extending Everyday Life Beyond Apartment Units** Shuijing Hu, 2007

*Forthcoming Books* Rose Arny, 2003

*Books in Print Supplement*, 2002

**Contemporary Australian Architecture** Graham Jahn, 1994 Traces the development of new ideas in Australian architecture since 1975 and documents 45 important buildings chosen because of the ideas they embody. Houses, offices, churches, and sports stadia designed by Australian architects or by Japanese or American architects working in Australia are included. The presentation is lavish, abundant color photos by Scott Frances, plenty of white space surrounding the text, and an

oversize format 10x11 5 Distributed by the U of Toronto Press Annotation copyright by Book News Inc Portland OR Free Spirit in Architecture Omnibus (Cloth) A. Papadakēs, Geoffrey Broadbent, Maggie Toy, 1992-12-15 Many of the projects presented in this Omnibus volume have previously appeared in Architectural Design magazine page 263 American Book Publishing Record, 2003 **The Encyclopaedia Britannica**, 1929 **The Encyclopædia Britannica** James Louis Garvin, Franklin Henry Hooper, Warren Earle Cox, 1929 *Contemporary Architects* Ann Lee Morgan, Colin Naylor, 1987 To strengthen the contemporary focus of this volume we have added about forty architects and have deleted some whose activity ceased before World War II In making these decisions we have been assisted by an Advisory Board As in the first volume we have continued to define the word architect very broadly so as to include planners theorists structural engineers and landscape architects whose work seems to be central to the enterprise of creating habitable spaces in our day Editor's note *Contemporary Architecture in Washington, D.C.* Claudia D. Kousoulas, George W. Kousoulas, 1995-06 Washington D C lives in our minds as museums and monuments capitals and columns but beyond the timeless monuments of white stone history thrives a city that has moved into the modern and postmodern age In text and photos this guide goes beyond the grand avenues to explore remarkable works of contemporary architecture that reinterpret historical styles and reconcile with Washington's monumental plan Contemporary Architecture in Washington D C features more than 20 detailed maps and includes photographs of almost 300 buildings from the waterfront in Georgetown to the town houses of Capitol Hill from the luxurious residences of Bethesda to the towering office buildings of Crystal City As a national capital Washington is a showplace for the best and the latest works by internationally recognized modern masters and talented local firms as well Beyond buildings Contemporary Architecture in Washington D C explores new communities and developments in the Washington suburbs and in essays examines the particular forces of style politics economics and history that have come together to form the American capital Washington is a city of metaphor From its very streets the city speaks of democracy and nationhood The impact of these metaphors comes from a repeated architectural language that is constantly being rewritten to reflect history and our interpretation of it *A + U, architecture and urbanism*, 2006 *Hypersurface Architecture II* Stephen Perrella, 1999 The first edition of Hypersurface presented an analysis of contemporary culture that identified two interpenetrating trends avant garde architecture and everyday commercial practices Hypersurface II demonstrates the convergence of these two forces that radicalizes form and deterritorializes subjectivity This second edition further investigates the way in which effects emerge within architecture and explores the manifestations of this unprecedented moment in architecture where the rampages of commercial culture begin to cross contaminate architectural form

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