

"Both extensive in scope and synthetic in approach, this book opens the door wide for designers and planners to employ urban ecology both inventively and credibly. Illuminated by many insightful analytical diagrams, it can be the basis for designing with nature across urban scales: from site to region. *Urban Ecology* is a signal achievement that makes Richard Forman's profoundly synthetic understanding of urban ecology accessible to designers and planners. The book's extraordinarily inclusive reach into the literature of many urban disciplines, its typological approach, and its many analytical diagrams will speak to designers and inspire analysts. It should become a standard reference for those who participate in urban ecological design or planning."

Joan I. Nassauer, University of Michigan

"Richard Forman has had the unique education, university environment and international experience to write the first comprehensive urban ecology text book that will guide the new urban revolution. This innovative book provides the foundation and inspiration for creating healthy, livable, sustainable and resilient cities and towns in the future."

From the Foreword by Mark J. McDonnell

How does nature work in our human-created city, suburb, and exurb/peri-urb? Indeed how is ecology – including its urban water, soil, air, plant, and animal foundations – spatially entwined with this great human enterprise? And how can we improve urban areas for both nature and people?

Urban Ecology: Science of Cities explores the entire urban area: from streets, lawns, and parks to riversides, sewer systems, and industrial sites. The book presents models, patterns, and examples from hundreds of cities worldwide. Numerous illustrations enrich the presentation. Cities are analyzed, not as ecologically bad or good, but as places with concentrated rather than dispersed people. Urban ecology principles, traditionally adapted from natural-area ecology, now increasingly emerge from the distinctive features of cities. Spatial patterns and flows, linking organisms, built structures, and the physical environment highlight a treasure chest of useful principles.

This pioneering interdisciplinary book opens up frontiers of insight, as a valuable source and text for undergraduates, graduates, researchers, professionals and others with a thirst for solutions to growing urban problems.

RICHARD T. T. FORMAN is the PAES Professor of Landscape Ecology at Harvard University, where he teaches ecological courses in the Graduate School of Design, and in Harvard College. His research and writing include landscape ecology, road ecology, urban ecology, land-use planning and conservation, the netway system, and linking science with spatial pattern to mesh nature and people on the land. His previous title, *Urban Regions: Ecology and Planning Beyond the City*, was published by Cambridge University Press in 2008.

Cover Illustration: Sao Paulo aerial view.
Photo courtesy of Silvio Soares Macedo.

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UNIVERSITY PRESS

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ISBN 978-0-521-18824-1



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