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0521380677 - Community Design and the Culture of Cities: The Crossroad and the Wall

Eduardo E. Lozano

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COMMUNITY DESIGN
AND THE CULTURE OF CITIES

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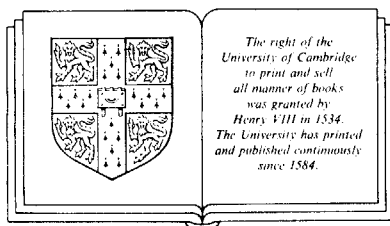
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Community design and the culture of cities

The crossroad and the wall

EDUARDO E. LOZANO



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Frontmatter

[More information](#)

*To Elizabeth,
Paula Maria, Julieta, and Florencia*



CONTENTS

<i>Sources of illustrations</i>	<i>page xi</i>
<i>Acknowledgments</i>	<i>xiii</i>

Prologue	1
----------	---

PART ONE

*Which deals with urban problems today,
 community design as a profession,
 and the nature of urban form*

1	Cities today	5
2	Traditions in community design: or the professional as a newcomer	12
	Community design in perspective: a new profession	12
	The popular design tradition	14
	The professional design tradition	17
	Coexistence of the two traditions	20
	The main source: urbanism	23
	Other sources: social reforms and utopias	33
3	Urban patterns: or urban form as a combination of typologies	35
	The shaping of an evolving urban form	35
	Urban patterns	37
	Urban typologies	55
	Urban aggregations and combinations	67

CONTENTS

PART TWO

Which deals with the systematic nature of urban form, the effects of time processes on cities and the built environment, and the relationship between size and form

- | | | |
|---|--|-----|
| 4 | Below the urban surface: or how urban systems, organized in complex hierarchies, are the roots of urban form | 73 |
| | Urban systems | 73 |
| | Self-organization and self-regulation | 76 |
| | Urban complexity | 78 |
| | Urban specialization | 80 |
| | The whole and the parts and the complexity of space | 83 |
| | Urban hierarchies | 85 |
| 5 | Cities in evolution: or how growth and change guide urban form in time | 88 |
| | A dynamic view of urban areas | 88 |
| | The process and laws of growth | 93 |
| | Change and evolution | 99 |
| | Aging and obsolescence | 103 |
| 6 | Urban scale: or how urban form, size, and function are interrelated through growth | 109 |
| | Laws relating growth, size, and form | 109 |
| | Size, technology, and formal complexity | 115 |
| | Size and functional differentiation | 122 |
| | The disadvantages of size and design strategies | 123 |

PART THREE

Which deals with the planning components of urban form: land use and the threat of segregation and homogeneity, density and its importance for urbanity, distribution as a means of restoring an urban culture

- | | | |
|---|--|-----|
| 7 | Land use in cities: or how segregation and homogeneity have threatened the social ecology of urban areas | 131 |
| | Land use as a threat to urbanity: homogeneity and segregation | 131 |
| | Causes of segregation and homogeneity | 139 |
| | The need for diversity | 142 |
| | The grain of land uses: key to design | 144 |

Integrating land uses	148	CONTENTS
Boundaries and bridges	154	
8 Density in communities: or the most important factor in building urbanity	157	
Density in urban settlements	157	
Locational effects of density, urbanity, and thresholds	162	
Social and psychological effects of density and crowding	166	
Toward urban densities	172	
9 Distribution in cities: or a key to reconstituting the culture of cities	185	
Distribution in space	185	
Propinquity and communications technology: myth and reality	189	
The deterministic distributions of the state of the art	193	
Nonnested distributions: hierarchies of complementary and competitive centers	196	
Development and redistribution of urban centers	201	
PART FOUR		
<i>Which deals with the lessons learned from traditional settlements and their applications to community design</i>		
10 Morphology: or the roots of design in traditional settlements	209	
Morphology	209	
Defense and protection: the wall	214	
Transportation and communications: the crossroads	224	
Site topography	229	
Climate	234	
11 Pluralistic form of traditional communities: or combination and interface	241	
Community form as combinatorial form	241	
Interface of elements in patterns	249	
The urban wall as the locus of interface	256	
12 Visual phenomena and movement: or orientation, variety, and symbolism	260	
Layers of perception: cognition and culture	260	
The need for order and diversity	264	

Cambridge University Press

0521380677 - Community Design and the Culture of Cities: The Crossroad and the Wall

Eduardo E. Lozano

Frontmatter

[More information](#)

CONTENTS	Orientation and variety in traditional settlements	271
	Monotony and chaos: the Modern experience	282
	Symbolism	288
	Epilogue: an agenda for action	298
	<i>Notes</i>	307
	<i>Index</i>	317



SOURCES OF ILLUSTRATIONS

- Alinari/Art Resource: Figs. 2.1 (bottom), 3.13 (left, right, p. 56; bottom, p. 57)
- Wayne Andrews/ESTO: Figs. 3.8 (top), 5.8
- Archivo General de Indias: Fig. 5.5
- J. H. Aronson: Fig. 10.17
- Edmund N. Bacon, *Design of Cities* (Viking, 1974): Figs. 2.3 (top, p. 19), 2.6 (top), 2.10, 3.2, 10.6 (bottom), 11.8 (bottom)
- Georg Braun, *Civitates Orbis Terrarum* (Cologne, 1576): Fig. 10.4 (top)
- British Tourist Authority: Figs. 3.17 (top), 12.4 (top)
- California Department of Transportation: Fig. 5.6 (bottom)
- Colen Campbell, *Vitruvius Britannicus* (London, 1715): Fig. 6.2 (bottom)
- Chicago Architectural Photo Company, David R. Phillips: Fig. 3.14 (p. 58)
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- Dr. Jonathan Drachman: Figs. 6.1 (top), 10.18 (right, bottom), 12.4b, 12.10 (bottom)
- Encyclopaedia Britannica, Inc.: Fig. 7.1
- Fondation Le Corbusier: Figs. 2.3 (bottom, p. 19), 2.6 (bottom), 2.8 (bottom), 12.10 (p. 284)
- French Government Tourist Office: Figs. 7.2, 10.3 (bottom)
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- Robert Lautman: Fig. 5.3
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- Metropolitan Life Insurance Company: Fig. 12.10 (bottom, p. 285)
- René Millon: Fig. 3.6
- MIT Press/S. E. Rasmussen, *Towns and Buildings* (1969): Figs. 2.9, 3.3, 5.2, 5.7, 8.4 (p. 181), 10.6 (top), 10.13 (right)

SOURCES OF
ILLUSTRATIONS

- MIT Press/L. Benevolo, *The Origins of Modern Town Planning* (1967): Fig. 2.11 (top)
- Musée de l'homme, L. Vogel: Fig. 3.16 (bottom)
- New York City Housing Authority: Fig. 12.10 (top, p. 285)
- New York Convention and Visitors Bureau: Fig. 8.4 (p.180)
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- Rockefeller Center: Fig. 3.14 (top, p. 59)
- Bernard Rudofsky, *Architecture Without Architects* (Museum of Modern Art, 1965): Figs. 10.13 (left), 11.1 (p. 244)
- Bernard Rudofsky, *Streets for People* (Doubleday, 1969): Figs. 6.4 (left), 10.20 (bottom)
- Bernard Rudofsky, *The Prodigious Builders* (Harcourt Brace Jovanovich, 1977): Figs. 3.10 (top, p. 50; top, p. 51), 8.5 (top, bottom, p. 182), 10.1, 10.5 (top), 11.1 (p. 245)
- Howard Saalman, *Medieval Cities* (Braziller, 1968): Fig. 12.6
- Wim Swaan, *The Gothic Cathedral* (Park Lane, 1981): Fig. 2.4 (top)
- Wim Swaan, *Art and Architecture of the Late Middle Ages* (Crescent Books, 1982): Fig. 2.2 (top)
- Swiss National Tourist Office: Fig. 2.5
- Thames and Hudson Ltd. /G. Jellicoe and S. Jellicoe, *The Landscape of Man* (1975): Figs. 2.3 (p. 18), 2.7 (bottom), 12.4 (p. 273)
- Thames and Hudson Ltd. /G. Mitchell (ed.), *Architecture of the Islamic World* (1978): Figs. 10.18 (left), 12.9
- Tiofoto AB/Lennart Olson: Fig. 11.5
- Turkish Culture and Information Office: Fig. 3.15
- University of Virginia: Fig. 11.8 (top)
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