

Research Programme Network Cities, Faculty of Architecture
Delft University of Technology

URBAN NETWORKS — **NETWORK URBANISM**

Gabriel Dupuy

Compiled and edited by
Jeroen van Schaick and Ina T. Klaasen

Techne Press / 2008

Contents

<i>Foreword</i>	9
<i>Introducing Urban Networks – Network Urbanism</i>	11

Part I Networks: Past and Present Challenges for Urban Planning

1 A Revised History of Network Urbanism	19
2 Urban Planning in the Network Age: Theoretical Pointers	41
3 Social Scope of Networks	57
4 Network Visualization Tools for Urban Planners	67

Part II Network Territoriality: Golden Age and Crises in Cities Around the World

5 Infrastructure Networks and Territoriality in the Outer Suburbs of Paris	77
6 Adapting French Cities to Car Traffic during the Post-war Years: Uncle Sam's Math Lesson	85
7 Crisis in the Urban Infrastructure Networks: The Case of Buenos Aires	97
8 Networks versus Territorial Sovereignities: A Comparative Study of Eurovision	111

Part III Motor Cars: System, Network and Dependency

9 The Automobile System: A Territorial Adapter	121
10 From the Magic Circle to Automobile Dependence: Measurements and Political Implications	139
11 Mobility of the Poor in Two European Metropolises: Car Dependence versus Locality Dependence	163
12 Car Dependence: Prospective Studies and Avenues of Research	173

Part IV ICTs: Interconnections and Divides

13 The Icelandic Miracle: The Internet in an Emergent Metropolis	183
14 Networks and Borders: The Resistible Rise of ICTs in Saint Pierre et Miquelon	196
15 The Urban-Suburban Divide	211
16 The Digital Divide: Primarily a Matter of Geography?	215
17 Around Ile-de-France: In the Grips of a Digital Divide or Merely Lagging?	221

Part V New Tools for Planners

18 Networks and Urban Planning: Evolution of a Two-Way Relationship	237
19 Progressive Network Urbanism: The Way Ahead for Urban and Physical Planners	243
<i>References</i>	263
<i>Index</i>	285