Cities In The Telecommunications Age: The Fracturing Of Geographies

Digital and Smart Cities - Katharine S. Willis 2017-10-12
Digital and Smart Cities presents an overview of how technologies shape our cities. There is a growing awareness in the fields of design and architecture of the need to address the way that technology affects the urban condition. This book aims to give an informative and definitive overview of the topic of digital and smart cities. It explores the topic from a range of different perspectives, both theoretical and historical, and through a range of case studies of digital cities around the world. The approach taken by the authors is to view the city as a socially constructed set of activities, practices and organisations. This enables the discussion to open up a more holistic and citizen-centred understanding of how technology shapes urban change through the way it is imagined, used, implemented and developed in a societal context. By drawing together a range of currently quite disparate discussions, the aim is to enable the reader to take their own critical position within the topic. The book starts out with definitions and sets out the various interpretations and aspects of what constitutes and defines digital cities. The text then investigates and considers the range of factors that shape the characteristics of digital cities and draws together different disciplinary perspectives into a coherent discussion. The consideration of the different dimensions of the digital city is backed up with a series of relevant case studies of global city contexts in order to frame the discussion with real world examples.

Explores the utilization of urban technology to support knowledge city initiatives, providing fundamental techniques and processes for the successful integration of information technologies and urban production. Presents research on a multitude of cutting-edge urban information communication technology issues.

Cities in the Technology Economy - Darrene Hackler 2014-12-18
Recognizing the pivotal role that local governments play in the high-tech economy, this book examines the effect of technology industries and infrastructures on cities and the local policy actions required for effective response to these challenges. Filled with fresh information and practical advice, "Cities in the Technology Economy" provides a thorough coverage of the technology economy with respect to cities and economic development, focusing on the attraction of technology industries and investment in technology infrastructure. The author utilizes a triangulation of approaches - national level data, nationwide survey of local officials, and case studies - to examine what cities are doing in the technology economy, describe the barriers to participation in the technology economy, and detail entrepreneurial actions of local governments to traverse these hurdles. All of the research points to the need for a strong local role enabling local policy action and activities to shape a technology economy response.

Telecommunications and the City - Steve Graham 2002-11
Telecommunications and the City provides the first critical and state-of-the-art review of the relations between telecommunications and all aspects of city development and management. Drawing on a range of theoretical approaches and a wide body of recent research, the book addresses key academic and policy debates about technological change and the future of cities with a fresh perspective. Through this approach, the complex and crucial transformations underway in cities in which telecommunications have central importance are mapped out and illustrated. Key areas where telecommunications impinge on the economic, social, physical, environmental and institutional development of cities are illustrated by using boxed extracts.
and wide range of case study examples from Europe, Japan and North America. Rejecting the extremes of optimism and pessimism in current hype about cities and telecommunications, Telecommunications and the City offers a sophisticated new perspective through which city-telecommunications relations can be understood.

The Cybertocities Reader-Stephen Graham 2004 Bringing together a vast range of debates and examples of city changes based on Information and Communications Technology (ICT), this book illustrates how new media in cities shapes societies, economies and cultures.

Splintering Urbanism-Steve Graham 2002-09-11 Splintering Urbanism makes an international and interdisciplinary analysis of the complex interactions between infrastructure networks and urban spaces. It delivers a new and powerful way of understanding contemporary urban change, bringing together discussions about: *globalization and the city *technology and society *urban space and urban networks *infrastructure and the built environment *developed, developing and post-communist worlds. With a range of case studies, illustrations and boxed examples, from New York to Jakarta, Johannesburg to Manila and Sao Paolo to Melbourne, Splintering Urbanism demonstrates the latest social, urban and technological theories, which give us an understanding of our contemporary metropolis.

Revitalizing the City: Strategies to Contain Sprawl and Revive the Core-Fritz W. Wagner 2016-12-05 This practical work demonstrates that controlling urban growth and reviving central city economies are not mutually exclusive endeavors. Rather than re-hash theories of urban development, the contributors describe and evaluate successful community-tested approaches to sustaining our cities. Revitalizing the City provides actual case examples of urban success stories - ranging from San Diego's “smart growth” initiative to brownfield redevelopment in Pittsburgh. The book is divided into four major sections - Urban Growth; Metropolitan Development and Administration; Central City Redevelopment Strategies; and Central City-Suburban Cooperation. Each chapter includes an analysis of key issues, descriptions of specific local initiatives, highlights of effective policies or programs, and potential pitfalls to avoid. Revitalizing the City has broad appeal for the urban policy community as well as for undergraduate and graduate courses in urban sociology, geography, political science, and urban studies and planning.


The Electronic City-Ulrike Bucher 2008 The topic "The Electronic City" refers to the introduction and the consequences of the new information and communication technologies for urban life. In which way can "E-Europe" for all be realised? How can the digital divide be overcome? What are the consequences for the socially disadvantaged groups and how can they participate in the E-City? Is human behaviour different in virtual space? These are the questions which are part of many discourses on this topic and which are addressed in this book.

Rethinking Architectural Technology-William W. Braham 2013-05-13 This essential reference for all students of architecture, design and the built environment provides a convenient single source for all the key texts in the recent literature on architecture and technology. The book contains over fifty carefully selected essays, manifestoes, reflections and theories by architects and architectural writers from 1900 to 2004. This mapping out of a century of architectural technology reveals the discipline's long and close attention to the experience and effects of new technologies, and provides a broad picture of the shift from the 'age of tools' to the 'age of systems'. Chronological arrangement and cross-referencing of the articles enable both a thematic and historically contextual understanding of the topic and highlight important thematic connections across time. With the ever increasing pace of technological change, this Reader presents a clear understanding of the context in which it has and does affect architecture.

Knowledge-Based Development for Cities and Societies: Integrated Multi-Level Approaches-Metaxiotis, Kostas 2010-02-28 "This book presents a better knowledge and understanding of applying knowledge-based development policies, contributing to the theorizing of knowledge-based development and creation of knowledge societies"--Provided by publisher.

Digital Futures and the City of Today-Glenda Amayo Caldwell 2016-06-01 In the contemporary city, the physical infrastructure and sensorial experiences of two millennia are now inter-woven within an invisible digital matrix. This matrix alters human perceptions of the city, informs our behaviour and increasingly influences the urban designs we ultimately inhabit. Digital Futures and the City of Today cuts through these issues to analyse the work of architects, designers, media specialists and a growing number of community activists, laying out a multi-faceted view of the complex integrated phenomenon of the contemporary city. Split into three sections, the book interrogates the concept of the ‘smart’ city, examines innovative digital projects from around the world, documents experimental visions for the future, and describes projects that engage local communities in the design process.

The Sustainable City V-A. Gospodini 2008 of the present without compromising the ability of future generations to meet their own needs. In The Sustainable City V many interrelated aspects of the urban environment from transport and mobility to social exclusions and crime prevention are addressed. The papers included were originally presented at the Fifth International Conference on Urban

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Regeneration and Sustainability and will be of interest to city planners, architects, environmental engineers and all academics, professionals and practitioners working in the wide range of disciplines associated with creating a viable urban environment. In this book the papers are published under the following topics: Architectural issues; Cultural heritage; Energy resources systems; Environmental management; Healthy cities; Indicators: ecological, economic, social; Land use and management; Mega cities; Planning issues; Planning, development and management; Public safety; Revitalisation strategies; Socio-economic issues; Spatial modelling; Strategy; Sustainable transportation and transport integration; The community and the city; Traffic and transportation; Urban-rural relationships.

The Digital City-M. Laguerre 2005-08-02 Evolving out of a research project on information technology and society, the book explores the digitization of the American city. Laguerre examines the impact of changes to various sectors of society, brought about by the advent of information technology and the Internet upon daily life in the contemporary American metropolis. The book focuses on actual information technology practices in the Silicon Valley/San Francisco metropolitan area, explaining how those practices are remoulding social relations, global interaction and the workplace environment.

Communication Technology Update and Fundamentals-August E. Grant 2014-08-07 A classic now in its 14th edition, Communication Technology Update and Fundamentals is the single best resource for students and professionals looking to brush up on how these technologies have developed, grown, and converged, as well as what's in store for the future. It begins by developing the communication technology framework— the history, ecosystem, and structure— then delves into each type of technology, including everything from mass media, to computers and consumer electronics, to networking technologies. Each chapter is written by faculty and industry experts who provide snapshots of the state of each individual field, altogether providing a broad overview of the role communication technologies play in our everyday lives. Key features: Gives students and professionals the latest information in all areas of communication technology. The companion website offers updated information and useful links to related industry resources, and an instructor site provides a sample syllabus and a test bank. This edition features new chapters on automotive telematics, digital health, and telepresence, as well as expanded coverage of tablets/phablets and 4K (ultra high definition television).

Seeking Convergence in Policy and Practice-Marita Moll 2004

Cities in the 21st Century-Oriol Nel-lo 2016-02-19 Cities in the 21st Century provides an overview of contemporary urban development. Written by more than thirty major academic specialists from different countries, it provides information on and analysis of the global network of cities, changes in urban form, environmental problems, the role of technologies and knowledge, socioeconomic developments, and finally, the challenge of urban governance. In the mid-20th century, architect and planner Josep Lluís Sert wondered if cities could survive; in the early 21st century, we see that cities have not only survived but have grown as never before. Cities today are engines of production and trade, forges of scientific and technological innovation, and crucibles of social change. Urbanization is a major driver of change in contemporary societies; it is a process that involves acute social inequalities and serious environmental problems, but also offers opportunities to move towards a future of greater prosperity, environmental sustainability, and social justice. With case studies on thirty cities in five continents and a selection of infographics illustrating these dynamic cities, this edited volume is an essential resource for planners and students of urbanization and urban change.

Mobile Technologies of the City-Mimi Sheller 2006-04-18 Mobile communications technologies are taking off across the world, while urban transportation and surveillance systems are also being rebuilt and updated. Emergent practices of physical, informational and communicational mobility are reconfiguring patterns of movement, co-presence, social exclusion and security across many urban contexts. This book brings together a carefully selected group of innovative case studies of these mobile technologies of the city, tracing the emergence of both new socio-technical practices of the city and of a new theoretical paradigm for mobilities research.

ICTs for Mobile and Ubiquitous Urban Infrastructures: Surveillance, Locative Media and Global Networks-Firmino, Rodrigo J. 2010-10-31 "This book investigates how a shift to a completely urban global world woven together by ubiquitous and mobile ICTs changes the ontological meaning of space, and how the use of these technologies challenges the social and political construction of territories and the cultural appropriation of places"--Provided by publisher.

Knowledge-Based Urban Development: Planning and Applications in the Information Era-Yigitcanlar, Tan 2008-02-28 "This book covers theoretical, thematic, and country-specific issues of knowledge cities to underline the growing importance of KBUD all around the world, providing substantive research on the decisive lineaments of urban development for knowledge-based production (drawing attention to new planning processes to foster such development), and worldwide best practices and case studies in the field of urban development"--Provided by publisher.

Global Cities-Zhenhua Zhou 2020-06-08 The pivotal nodes in the world city network are global cities—cities of supreme strategic value in global economy and politics, science and technology, culture, and society. Global Cities: Past, Present and Future explores the evolution of global cities—their formation, rise, development and tendencies. This book summarizes and interprets global tendencies and also puts forward a theoretical framework that will help researchers understand these cities better. It also makes a compelling case for understanding every city in terms of evolutionary dynamics. The first eight chapters of the book discuss the ontology of global city evolution and patterns, forms and trends of development. The last two chapters study the case of Shanghai, which aims to build itself
into an important global city by 2050. This case study illustrates the shaping of a new type of global city that demonstrates new characteristics of the globalized space.

**The Global City** - Saskia Sassen 2013-04-04 This classic work chronicles how New York, London, and Tokyo became command centers for the global economy and in the process underwent a series of massive and parallel changes. What distinguishes Sassen's theoretical framework is the emphasis on the formation of cross-border dynamics through which these cities and the growing number of other global cities begin to form strategic transnational networks. All the core data in this new edition have been updated, while the preface and epilogue discuss the relevant trends in globalization since the book originally came out in 1991.

**Crisis Management: Concepts, Methodologies, Tools, and Applications** - Management Association, Information Resources 2013-11-30 "This book explores the latest empirical research and best real-world practices for preventing, weathering, and recovering from disasters such as earthquakes or tsunamis to nuclear disasters and cyber terrorism"—Provided by publisher.

**The American Midwest: Managing Change in Rural Transition** - Norman Walzer 2016-07-08 The rural Midwest is undergoing fundamental changes with increased competition from foreign agriculture; employment shifts from higher-paying manufacturing to lower-paying service industries; the displacement of local small town business by large discount stores and shopping malls; overall population declines that threaten the viability of schools, hospitals, and other public institutions, along with an influx of minority groups that has led to strife in some communities. Using data from the 2000 Census, this collection examines the major demographic and employment trends in the rural Midwestern states with special attention to the issues that state and local policy makers must address in the near future. The contributors are well known experts in their fields, and in these original, previously unpublished materials they offer suggestions on how the Internet and other technological advances offer new opportunities for rural economies that local leaders can build on.

**Economics for the Modern Built Environment** - Les Ruddock 2008-10-10 Recent decades have seen a major social and economic changes across the developed world and consequent changes in the construction and property industries. The discipline of construction economics needs to respond to this. For instance, the importance of sustainable development has become recognised, as has the need to increasingly master the medium and long-term consequences of construction, not only in the production but also in the management of buildings across their whole life-cycle. And the new focus on the service rendered by buildings, as distinct from the buildings themselves, has prompted a new approach to the construction and property industries. Any economic analysis of these sectors has to take account of all the participants involved in the life-cycle of building structures – not only in the design and construction, but also in the operation, maintenance, refurbishment and demolition of property. This innovative new book draws on the work of the Task Group of the CIB (International Council for Research and Innovation) on Macroeconomics for Construction. It pulls together discussions of meso-economic and macroeconomic models and methodologies in construction economics and presents an exciting approach to the analysis of the operation and function of the construction and property sector within the economy. Graduate students and researchers will find it an invaluable work.

**Moving People, Goods and Information in the 21st Century** - Richard Hanley 2004-08-02 Globalisation and technological innovation have changed the way people, goods, and information move through and about cities. To remain, or become, economically and environmentally sustainable, cities and their regions must adapt to these changes by creating cutting-edge infrastructures that integrate advanced technologies, communications, and multiple modes of transportation. The book defines cutting-edge infrastructures, details their importance to cities and their regions, and addresses the obstacles to creating those infrastructures.

**The Geography of Urban Transportation** - Susan Hanson 2004-08-06 In this classic text and professional resource, leading geographers and urban planners present the foundational concepts and methodological tools that readers need to understand and engage with today's pressing policy issues. Covered are such key topics as passenger and freight dynamics in the American metropolis; the urban transportation planning process, including the use of GIS; and questions related to public transit, land use, energy, equity, environmental impacts, and more. The book features more than 100 maps, charts, and photographs.

**Critical Reflections on Cities in Southeast Asia** - Tim Bunnell 2021-11-15

**Bridging the Digital Divide** - Lisa J. Servon 2008-04-15 Bridging the Digital Divide investigates problems of unequal access to information technology. The author redefines this problem, examines its severity, and lays out what the future implications might be if the digital divide continues to exist. Examines unequal access to information technology in the United States. Analyses the success or failure of policies designed to address the digital divide. Draws on extensive fieldwork in several US cities. Makes recommendations for future public policy. Series editor: Manuel Castells.

**The Urban Geography Reader** - Nicholas R. Fyfe 2005 A reader, this collection captures the diversity of scholarship in the field of urban geography by presenting a stimulating selection of articles and excerpts by leading figures, organized around seven themes.
AGILE 2003-Michael Gould 2003 The mission of the Association of Geographic Information Laboratories for Europe (AGILE) is to promote academic teaching and research at the European level, and to facilitate networking activities between geographic information laboratories, including focused meetings based on state-of-the-art presentations on key research issues and European geographic information research conferences. The AGILE Conferences on Geographic Information Science (GIS) have become an essential meeting place for European researchers and practitioners, where they meet and exchange ideas and experiences at the European level. These proceedings regroup the papers given in the Lyon conference held in April 2003 and presenting the more advanced results in GIS.

Essays on Transport Economics-Pablo Coto-Millán 2007-02-02 This book explores analytical methods used in transportation economics and policy analysis. Encompassing fields of economics such as Industrial Organisation, Welfare Economics, General Equilibrium Theory and Input-Output-Analysis, the study of transport from an economic point of view serves as a test bench for applying methodologies of economic science to the real world. Each chapter opens with a brief theoretical introduction before evaluating case studies, using the state-of-the-art statistical and econometric techniques.

Globalization and Global History-Barry K. Gill 2006 It will appeal to anyone interested in globalization and its origins.

Population Growth and Rapid Urbanization in the Developing World-Benna, Umar G. 2016-06-07 As the global population continues to boom, particularly in the developing countries, it has become necessary to find ways to handle this increase through various policy tools that address population growth and urbanization problems. The urbanization process has both potential issues as well as opportunities to move societies forward that need to be exploited. Population Growth and Rapid Urbanization in the Developing World examines trends, challenges, issues and strategies adopted by developing countries in the face of population growth and rapid urbanization and its impact on urban environments. The book explores patterns of population growth and urbanization, use of different governance approaches in addressing challenges, as well as different tools and systems of appropriate allocation to address issues. The book is a comprehensive reference for academics, students, practitioners, professionals, managers, urban planners and government officials.

Personal Mobilities-Aharon Kellerman 2006-11-22 Personal Mobilities provides a systematic study of personal movement focusing on the dimensions of space, individuals, societies and technologies. Kellerman examines a variety of personal mobilities, including air transportation, through several perspectives, examining the human need for movement, their anchoring within wider societal trends, commonalities and differences among mobility technologies and international differences. Although spatial mobility seems geographical by its very nature, the topic has been so far treated only partially, and mainly by sociologists. Personal Mobilities highlights geographical as well as sociological aspects and is the first book to focus solely on personal mobilities.

Building the Knowledge Economy-Paul Cunningham 2003 The importance of the Internet and information and communication technologies to the global economy has never been greater. This volume aims to facilitate knowledge sharing relevant to everyone, irrespective of background, thematic or geographic focus.

The New Economy of the Inner City-Thomas A. Hutton 2009-12-07 Following the restructuring process which swept away the traditional manufacturing economy of the inner city 25 years ago, new industries are transforming these former post-industrial landscapes. These creative, technology-intensive industries include Internet services, computer graphics and imaging, and video game production. The development dynamics of these new sectors are volatile in comparison with those of the classic ‘Industrial City’. But these new industries highlight the unique role of the inner city in facilitating creative processes, innovation and social change. Further, they reflect the intensity of interaction between the ‘global’ and the ‘local’ in the metropolis, and represent key agencies of urban place-making and re-imaging. This book addresses the critical intersections between process and place which underpin the formation of creative enterprises in the emergent industrial districts of the ‘new inner city’. It contains intensive case studies of industrial restructuring within exemplary sites in prominent world cities such as London, Singapore, San Francisco and Vancouver. The studies demonstrate the global reach of development and innovation across these cities and sites, marked by clustering, rapid firm turnover, and interdependency between production and consumption activity. The evocative case studies, brought to life by interviews, sequential mapping exercises, media narratives, and photography, also disclose the importance of local factors (including urban scale, built form, property markets and policy) which shape both the specific industrial structures and socio-economic impacts. The New Economy of the Inner City places inner city new industry formation within the development history of the city, and underscores its role in larger processes of urban transformation. The findings inform a critique and synthesis of urban theory which frame the evolving conditions of the 21st century metropolis. This book would be useful to researchers and students of Geography, Urban Studies, Economics and Planning.
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