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Nota di contenuto	GPRS in Practice; Contents; Preface; 1 Introduction; 1.1 The purpose of GPRS; 1.2 So why GPRS?; 1.3 Internet communication; 1.4 Current Internet protocol - static addresses; 1.5 Current Internet protocol - dynamic addresses; 1.6 GPRS Internet addresses; 1.7 Portable IP; 1.8 The GPRS sub-network; 1.9 Abbreviations used in this chapter; 2 Radio Channels, Physical Channels and Logical Channels - the GSM/GPRS Air Interface; 2.1 The radio channels (GSM 45.001); 2.2 Physical channels (GSM 45.001); 2.2.1 The characteristics of the GSM/GPRS physical channels (GSM 45.001) 2.3 Logical channels (GSM 45.001, 45.002, 43.064)2.3.1 GSM logical channels; 2.3.2 GPRS channels which are used with or without a PBCCH; 2.3.3 GPRS logical channels which are used only in conjunction with PBCCH; 2.3.4 GPRS logical channels which are used in the absence of a PBCCH; 2.4 The BCCH radio carrier; 2.5 The PBCCH; 2.6 Abbreviations used in this chapter; 3 Air Interface Frame and Multiframe Structures

(GSM 45.002, 43.064); 3.1 The basic frame; 3.2 The GPRS 52-frame multiframe and logical channel structures; 3.3 The 52-frame multiframe uplink PRACH channel (GSM 45.002, 43.064) 3.4 The GSM 51-frame multiframe logical channel structures (non-combined configuration) 3.5 The GSM 51-frame multiframe and logical channel (combined configuration); 3.6 The GPRS 51-frame multiframe logical channel structures (GSM 45.002, 43.064); 3.7 Using the 51- and 52-frame logical channels; 3.8 Abbreviations used in this chapter; 4 The TBF and the MAC Layer (GSM 44.060, sections 5, 7, 8); 4.1 What is a TBF? An introduction to the temporary block flow; 4.1.1 The radio link control/medium access control (RLC/MAC) block; 4.1.2 Introduction to the MAC function (GSSM 44.060 sections 5, 7, 8) 4.1.3 Combining the components of a TBF into a complete TBF 4.1.4 TBF arrow diagrams (GSM 44.060 sections 5, 7, 8, 9); 4.2 The MAC layer in action; 4.2.1 Introduction: GPRS attach; 4.3 'Attach' MAC procedures (ETSI 123.060 section 6); 4.4 Packet data transfer - PDP context activation (ETSI 123.060 section 9); 4.5 GPRS sub-network originated TBFs; 4.6 Alerting the mobile station for a DL TBF; 4.7 Abbreviations used in this chapter; 5 An Introduction to Protocol Layers Data Flow (ETSI 123.060); 5.1 The protocol stack; 5.1.1 GPRS protocol layers - a brief description 5.2 GPRS signal flow - arrow diagrams (GSM 44.060 sections 5, 7, 8) 5.2.1 GPRS attach; 5.2.2 Mobile originated PDP context activation and TBF (ETSI 123.060 section 9); 5.2.3 Paging and MT PDP transfer (GSM 44.060 section 6); 5.3 Temporary block flow acknowledged; 5.4 Abbreviations used in this chapter; 6 GPRS Mobile Station Characteristics (GSM 45.002); 6.1 Mobile station types; 6.2 GPRS mobile equipment (ME) and subscriber profiles (ETSI 123.060 section 15); 6.2.1 Subscriber profile; 6.3 Mobile equipment multislot capabilities (GSM 45.002 Annexe B); 6.4 Abbreviations used in this chapter 7 Operations in the Physical Layers

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## Sommario/riassunto

Professionals quickly discover that, although the technical specifications for GPRS cover all parts of the engineering functions in detail and depth, they are lacking in one important feature; the conceptual framework within which the specifications sit - GPRS in Practice fills this gap. By beginning with an explanation of why GPRS is necessary and describing the core concept of GPRS operations, the TBF (Temporary Block Flow), a revision section then covers the GSM Air Interface with its Radio, Physical and Logical channels and this progressively leads to the GPRS logical channels - wha

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Descrizione fisica	1 online resource (337 p.)
Collana	Routledge Advances in Regional Economics, Science and Policy ; ; 6
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Soggetti	Sustainable urban development Urban policy - Environmental aspects City planning - Environmental aspects Urban ecology (Sociology)
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Nota di contenuto	Untamed Urbanisms-Front Cover; Untamed Urbanisms; Title Page; Copyright; Contents; Figures; Tables; Contributors; Editors; Contributors; Foreword; Acknowledgements; Introduction: Why Untamed Urbanisms?; Re-ordering the urban Anthropocene?; On taming and untaming the city; Overview of the book; Note to the Reader; References; Part I: Trajectories of change in the urban Anthropocene; Chapter 1: Towards sustainable urban infrastructures for the urban Anthropocene; Introduction; Rethinking urban infrastructure planning and governance Smart cities and co-production platforms: alternatives or building

blocks of a synthesis? Is a synthesis possible?; Conclusion; Notes; References; Chapter 2: Sustainable flows between Kolkata and its peri-urban interface: Challenges and opportunities; Introduction; Overview and objectives; Urban and peri-urban: a colonial history of evolution and interdependence; Free services versus colossal infrastructure: the recycling mechanism and present output from EKW; Dwindling wetlands, diminishing flows: post-colonial urbanization and development

Beyond the consumption city? The polemics of urban planning and development Conclusion; Notes; References; Chapter 3: On being smart about cities: Seven considerations for a new urban planning and design; Smart cities or smart urbanism; The smart city as discourse; Previous city transitions; Cities in the Anthropocene; Smart urbanism: an agenda for planning and design; Conclusion; Acknowledgement; References; Chapter 4: Is big sustainable?: Global comparison of city emissions; Introduction; Climate change; An energy-hungry society; Identifying emission drivers; When is big sustainable?

Discussion and conclusions Conclusion; Note; References; Chapter 5: Urban-scale food system governance: An alternative response to the dominant paradigm?; Mutually converging transitions; Alternative food geographies; International food governance analysis; South African urban food governance trends; Discussion; Conclusion; Notes; References; Part II: The untamed everyday; Chapter 6: Lost in translation: Social protection and the search for security in Bogota, Colombia; Introduction; Framing the debate on social protection in the twenty-first century

Decoupling assistance from citizenship: the changing fractal in social protection From social risk management to social floors in Colombia; The case study; Demographic data; Concluding reflections: The need for a renewed debate on agency and social protection; Note; Bibliography; Chapter 7: Potentials of the urban poor in shaping a sustainable Lagos metropolis; Introduction; The agency of the poor: literature overview; The agency of the urban poor of Lagos metropolis; Conclusion; References

Chapter 8: Sustainability of what?: The struggles of poor Mayan households with young breadwinners towards a better life in the peri-urban area of Merida, Yucatan, Mexico

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## Sommario/riassunto

One of the major challenges of urban development has been reconciling the way cities develop with the mounting evidence of resource depletion and the negative environmental impacts of predominantly urban-based modes of production and consumption. This book aims to re-politicise the relationship between urban development, sustainability and justice, and to explore the tensions emerging under real circumstances, as well as their potential for transformative change. For some, cities are the root of all that is unsustainable, while for others cities provide unique opportunities for sustainability-o

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