

CALL FOR CHAPTER PROPOSALS

Proposal Submission Deadline: September 1, 2024

Handbook of Disruptive Urban Technologies and Society

A book edited by Thomas W. Sanchez (Texas A&M) and Xinyue Ye (Texas A&M)

Introduction

In an era marked by rapid technological transformation and evolving hybrid physical–virtual urban landscapes, it is crucial to comprehend the pace and breadth of these changes and their societal implications. "Handbook of Disruptive Urban Technologies and Society," aims to address this necessity by engaging researchers and experts to illuminate these changes and offer a coherent understanding of what they mean for our future. Our cities are undergoing monumental shifts brought about by innovations in digital technology, smart infrastructure, and sustainable urban practices – along with challenges about climate change, public health, and socioeconomic inequality. Grasping the essence of these disruptive trends is paramount for making informed choices and policies.

Objective of the Book

This will provide an incisive and comprehensive exploration of the revolutionary technologies reshaping our urban landscapes. The handbook meets a critical need for an integrated understanding of how these innovations are transforming urban spaces and significantly influencing society. Covering topics from the impact of autonomous vehicles and green transit solutions to the adoption of digital technologies for enhanced city living, this handbook serves as an essential resource for understanding and navigating the complexities of modern urban development. It presents readers, including urban planners, policymakers, academics, and technology enthusiasts, with a detailed exploration of how these advancements are shaping the future dynamics of our urban environments.

Target Audience

The handbook is tailored for advanced undergraduate and postgraduate students, researchers, and practitioners. We envision it as a timely and comprehensive resource for individuals interested in technological perspectives on urban development and settlement patterns, regardless of their level of experience in the field.

Handbook structure and recommended topics include, but are not limited to the following:

1. Introduction to Disruptive Urban Technologies
 - Definition of Disruptive Technologies
 - Historical Context of Urbanization
2. Smart Cities and Smart Infrastructure
 - Smart buildings and architecture
 - Sustainable and resilient infrastructure
 - Intelligent transport systems
3. Digital Twin and Integration
 - IoT in urban development
 - Smart grids and energy management
 - Digital twins for urban planning
4. Urban Mobility
 - Autonomous and electric vehicles
 - Micro Mobility solutions
 - Public transit innovations
5. Urban Environmental Sustainability

- Green roofing and urban gardening
- Waste management innovations
- Climate change resilience
- 6. Urban Health and Well-being
 - Smart healthcare facilities
 - Urban safety and security technologies
 - Mental health and urban living
- 7. Citizen Engagement and Governance
 - E-governance and smart policies
 - Citizen participation platforms
 - Digital identity, security, ethics, and trust
- 8. The Social Implications of Urban Technologies
 - Digital Divide in Urban Areas
 - Social Cohesion and Community Building
- 9. Future of Work
 - Remote and flexible working technologies
 - Urban economic models and innovations
 - Skill development and education for the future
- 10. Conclusions and Way Forward

Submission Procedure

Researchers and practitioners are invited to submit on or before September 1, 2024, a chapter proposal of 1,000 to 2,000 words clearly explaining the mission and concerns of the proposed chapter. Abstracts should be emailed to editors Tom Sanchez (tw Sanchez@tam u.edu) and Xinyue Ye (xinyue.ye@tam u.edu). Authors will be notified by October 1, 2024, about the status of their proposals and sent chapter guidelines. Full chapters are expected to be submitted by June 1, 2025, and all interested authors must consult the guidelines for manuscript submissions at URL before submission (to be provided). All submitted chapters will be reviewed on a double-blind review basis. Contributors may also be requested to serve as reviewers for this project.

Note: There are no submission or acceptance fees for manuscripts submitted to the *Handbook of Disruptive Urban Technologies and Society*. All manuscripts undergo a double-blind peer-review editorial process for acceptance.

Publisher

De Gruyter is an independent academic publisher that can look back at a company history of 270 years. Today, the De Gruyter group publishes over 1,300 new books each year in the humanities, social sciences, STM, and law, more than 400 subscription-based or Open Access journals, and a variety of digital products. The company is headquartered in Berlin, with offices in Basel, Beijing, Boston, and Munich. This publication is anticipated to be released in 2026.

Important Dates

September 1, 2024: Proposal Submission Deadline
 October 1, 2024: Notification of Acceptance
 June 1, 2025: Full Chapter Submission
 July 15, 2025: Review Results Returned
 September 1, 2025: Final Acceptance Notification
 December 15, 2025: Final Chapter Submission