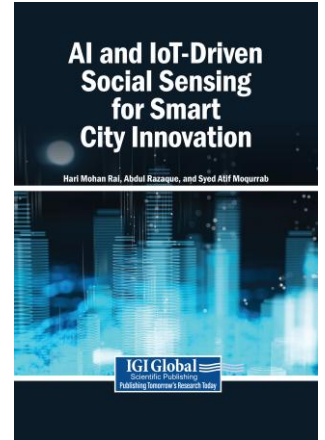


# AI and IoT-Driven Social Sensing for Smart City Innovation:

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## Description:

As smart cities continue to grow, sensing technologies are changing the way urban environments function and respond to everyday needs. With the integration of the internet of things (IoT), artificial intelligence (AI), and cloud-based systems, social sensing technologies can now collect and analyze real-time data to help improve services, infrastructure, and quality of life for citizens. Connected devices and digital networks are making cities more efficient, sustainable, and responsive by helping manage challenges such as traffic congestion, public safety, and energy use. These advancements also allow people to access information more easily and make more informed decisions in their daily lives. As technology becomes increasingly embedded in modern cities, social sensing is playing a central role in shaping smarter and more connected urban communities.

**AI and IoT-Driven Social Sensing for Smart City Innovation** explores the evolving field of social sensing within smart cities, examining its potential, challenges, and future directions. Bridging insights from AI, IoT technologies, urban innovation, and data-driven decision-making, this book highlights how social sensing systems are reshaping modern urban environments by supporting more connected, efficient, and responsive city infrastructures. Covering topics such as air quality prediction, intelligent traffic flow, and real-time urban flood monitoring, this book is a fundamental academic resource for graduate and doctoral students, urban planners, engineers, data scientists, technology professionals, municipal leaders, government agencies, and more.

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**Hardcover:** \$270 **Softcover:** \$230 **E-Book:** \$260 **Hardcover + E-Book:** \$270

## Topics Covered:

- Adaptive Street Lighting
- Air Quality Prediction
- Ambient Sensing
- Artificial Intelligence (AI)
- Big Data
- Edge Computing
- Fault Detection
- Intelligent Traffic Flow
- Internet of Things (IoT)
- Real-Time Urban Flood Monitoring
- Smart City Innovation
- Social Sensing
- Sustainable Waste Management
- Traffic Pattern Prediction

**Subject:** Computer Science and IT

**Readership Level:** Advanced-Academic Level (Research Recommended)

**Classification:** Edited Research

**Research Suitable For:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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