

CONTENTS

Foreword ix

Preface xv

Acknowledgments xix

Introduction 1

ANDRÉ CORRÊA D'ALMEIDA

PART I. DATA, ORGANIZATION, AND TECHNOLOGY

1. OneNYC and the SDGs: *A City Strategy with Global Relevance* 35

JESSICA ESPEY AND NILDA MESA WITH SANDRA M. RUCKSTUHL
AND MIHIR PRAKASH

2. The Mayor's Office of Data Analytics: *Institutionalizing Analytical Excellence* 59

CRAIG CAMPBELL AND STEPHEN GOLDSMITH

3. LinkNYC: *Redesigning Telecommunication to Activate the Twenty-First-Century Creative City* 79

MAREN MAIER, MARY MCBRIDE, AND PAUL MCCONNELL

PART II. CITY SERVICES AND DOMAINS OF LIFE

4. The New York City Business Atlas: *Leveling the Playing Field for Small Businesses with Open Data* 109

ANDREW YOUNG AND STEFAAN VERHULST

5. Demand Response: *Incentives for Smarter Energy Management* 129
ANDRÉ CORRÊA D'ALMEIDA AND CHRISTOPHER LEWIS
6. Green Infrastructure Plan: *Opportunities for Innovation in Climate-Change Resilience* 150
BERNICE ROSENZWEIG AND BALAZS FEKETE
7. Residential Curbside Organic-Waste Collection Program: *Innovation for Sustainability* 181
ANA ISABEL BAPTISTA
8. Syndromic Surveillance System: *The Science and Art of Using Big Data to Monitor the Health of New York City* 205
MEGAN HORTON AND JOSEPH ROSS
9. Solving City Challenges Through Neighborhood Innovation Labs: *Moving from Smart Cities to Informed Communities* 228
CONSTANTINE E. KONTOKOSTA, JEFF MERRITT, AND SANDER DOLDER

PART III. SAFETY AND MOBILITY

10. NYPD ShotSpotter: *The Policy Shift to "Precision-Based" Policing* 253
TAMI LIN AND MAŁGORZATA REJNIAK
11. Vision Zero NYC: *Toward Ending Fatalities on the Road* 277
ARNAUD SAHUGUET
12. Midtown in Motion: *Real-Time Solutions to Traffic Congestion* 304
LAWRENCE LENNON AND GERARD SOFFIAN

PART IV. BECOMING A SMARTER CITY

- Conclusion: *Becoming a Smarter City* 331
ANDRÉ CORRÊA D'ALMEIDA AND KENDAL STEWART
- Epilogue: Future Possibilities: *Now, Next, and Next After Next* 379
JERRY MACARTHUR HULTIN

Contributors 395

Index 403