Contents

A Time and a Place for Everything .......................................................... 1
Frank Duffy

Smart Cities of Tomorrow ................................................................. 9
Paul Budde

Rethinking Urban Landscapes: Self-Supported Infrastructure,
Technology and Territory ............................................................... 23
Mitchell Joachim and Melanie Fessel

Invincible Cities for the Materiomic Age ........................................... 55
Magnus Larsson and Alex Kaiser

Qualitative Affects of Building Life Cycle: The Formation
of Architectural Matter ................................................................. 101
Robert Stuart-Smith

Other Cities ................................................................. 115
Mark Raymond

Urban Parangolé ................................................................. 133
Lindsey Sherman, Michael Contento, Alfredo Brillembourg,
and Hubert Klumpner

High Performance Buildings: Measures, Complexity,
and Current Trends ................................................................. 153
Bryan Eisenhower

Eco-cities: The Role of Networks of Green and Blue Spaces .............. 165
Fabiano Lemes de Oliveira

Decarbonising City Precincts: An Australian Perspective ................. 179
Jessica Bunning, Colin Beattie, Vanessa Rauland,
and Peter Newman
The Rebirth of Distance in the Context of Urban Sustainability .......... 199
Kobe Boussauw, Richard Hanley, and Frank Witlox

Cities for Smart Environmental and Energy Futures: Urban Heat Island Mitigation Techniques for Sustainable Cities .................. 215
Konstantina Vasilakopoulou, Denia Kolokotsa, and Mattheos Santamouris

Building Conservation Towards a Sustainable Future: Use of GPR ...... 235
Zeynep Aygen and Gökhan Kılıç

Evaluation of the Shading Efficiency of the Shading Devices Installed in the Tram Stations in Athens .................................. 245
Christos Gousis and Ioannis Tzouvadakis

Modeling and Control of Large and Flexible Wind Turbines in Variable Speed Mode ............................................................... 259
Wei Lin and Xinghua Liu

Sustainable Design for Campus Residential Housing ..................... 271
Smita Rakshit and Anthony Filipovitch

House Biographies: Housing Studies on the Smallest Urban Scale ...... 283
Eveline Althaus and Marie Antoinette Glaser

For the Smarter Good of Cities: On Cities, Complexity and Slippages in the Smart City Discourse ........................................ 291
Henriette Steiner and Kristin Veel
Cities for Smart Environmental and Energy Futures
Impacts on Architecture and Technology
Rassia, S.T.; Pardalos, P. (Eds.)
2014, XI, 301 p., Hardcover
ISBN: 978-3-642-37660-3