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Titolo	Principle, Design and Optimization of Air Balancing Methods for the Multi-zone Ventilation Systems in Low Carbon Green Buildings / / by Xin Zhang, Can Cui, Wen-Jian Cai, Hui Cai, Gang Jing
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Nota di contenuto	Introduction of the Air Balancing Technology -- A Hierarchical Air Balancing Method via PID Control -- A Gradient-Based Online Adaptive Air Balancing Method -- A Distributed Cooperative Control-based Air Balancing Method -- An Air Balancing Method Using Support Vector Machine -- An Air Balancing Method Using Multi-layer Feed Forward Network -- An Air Balancing Method by A Full Data-Driven Duct System Model -- An Air Balancing with Optimal Pressure Set-point for Minimized Energy Consumption.
Sommario/riassunto	This book presents a systematic study on the air balancing technologies in heating, ventilation and air conditioning (HVAC) systems. Several modern air balancing methods, including advanced control-based air balancing, data-driven-based air balancing, and energy-saving-oriented air balancing, are introduced in this book to balance the air duct system. Furthermore, this book provides clear instructions for both HVAC designers and engineers, as well as

researchers, on how to design and balance duct systems for improved performance and energy efficiency.