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Nota di contenuto	Chapter 1. Proposing a new method for fenestration shading design in prefabricated modular buildings -- Chapter 2.Effectiveness of occupant behavioral ventilation strategies on indoor thermal comfort in hot-arid climate -- Chapter 3.Effectiveness of materials, technologies and renewable energy in educational buildings through cluster analysis of energy retrofitting -- Chapter 4.Renewable Energy in Argentina -- Chapter 5.Wind energy potential research in a low building within an urban environment -- Chapter 6.The natural light in Architecture. The use inspired by the constructive tradition -- Chapter 7.The cost of building to the near Zero Energy Building standard – a financial case study -- Chapter 8.Policy of intensification, diversification, conservation, and indexation in pursuing the sustainable transport -- Chapter 9.Problem of education in developing renewable of energy -- Chapter 10.Winter performance of certified passive houses In a Temperate Maritime Climate – nZEB Compliant? -- Chapter 11.A parametric tool for assessing optimal location of buildings according to

environmental Criteria -- Chapter 12. Methodology of Solar Project Managing Through All Stages of Development -- Chapter 13. Computational BIPV Design: An energy optimization tool for solar facades -- Chapter 14. Feasibility Study of a Low Carbon House in the UK -- Chapter 15. Why Do We Need To Reduce The Carbon Footprint In UAE? -- Chapter 16. Urban farming in the era of crisis in Greece: the case study of the urban garden of Agioi Anargiroi –Kamatero and Fili -- Chapter 17. Resilient urban design- Beograd and Florence: Reconnect the waters to the city -- Chapter 18. Strategic Sustainable and Smart Development Based on User Behavior -- Chapter 19. High Bombastic adaptive skin conceptual prototype for Mediterranean climate -- Chapter 20. Quality of healthcare: a review of the impact of hospital physical environment on improving quality of care -- Chapter 21. Enhancing Indoor Air Quality for Residential Building in Hot Arid Regions -- Chapter 22. Performance of Solar Window Film With Reference to Energy Rationalizing in Buildings -- Chapter 23. Visualizing the infrared response of an urban canyon throughout a sunny day -- Chapter 24. Meta-design approach to Environmental building programming for passive cooling of Buildings -- Chapter 25. Urban and Architectural Sustainability in Restoration of Iranian cities (Strategy and Challenges), Case study of Soltaniyeh -- Chapter 26.- Influence of the period of measurements on wind potential assessment for a given site -- Chapter 27. Integration strategies of Luminescent Solar Concentrators panels: a case study in Florence - Italy -- Chapter 28. Photovoltaic and Thermal solar concentrator integrated into a dynamic shading device -- Chapter 29. A University Master Course and training program for energy managers and expert in environmental design in Italy -- Chapter 30. A project for the NZERO-Foundation in the south of Italy -- Chapter 31. Planning without waste -- Chapter 32. Problem Of Education In Developing Renewable Of Energy -- Chapter 33. Problem Of Education In Developing Renewable Of Energy -- Chapter 34. Resilient urban design. Beograd and Florence: reconnect the waters to the city -- Chapter 35. Evaluating deep retrofit strategies for buildings in urban waterfronts -- Chapter 36. Enhancing the Thermo-physical Properties of Rammed Earth by Stabilizing with Corn Husk Ash -- Chapter 37. Thermal monitoring of low income housings built with autoclaved aerated concrete in a hot-dry climate -- Chapter 38. Renewables are commercially justified to save fuel and not for storage -- Chapter 39. Climate Change Assessment, Simulation and Adaptation for Hot-Arid Urban Settlements: The Case Study of Asmara Project, Cairo, Egypt -- Chapter 40. Climate Change Assessment, Simulation and Adaptation for Hot-Arid Urban Settlements: The Case Study of Asmara Project, Cairo, Egypt -- Chapter 41. Ventilation effectiveness of residential ventilation systems and its energy saving potential -- Chapter 42. Assessment of cardboard as an environment-friendly wall thermal insulation for low energy prefabricated buildings.

Sommario/riassunto

This book contains selected papers presented during the bi-annual World Renewable Energy Network's Med Green Forum aimed at the international community as well as Mediterranean countries. This forum highlights the importance of growing renewable energy applications in two main sectors: Electricity Generation and the Sustainable Building Sector. In-depth chapters highlight the most current research and technological breakthroughs, covering a broad range of renewable energy technologies and applications in all sectors – for electricity production, heating and cooling, agricultural applications, water desalination, industrial applications and for the transport sectors. .
