

CONTENTS

PREFACE	5
1. MODERN ARCHITECTURE – PUBLIC BUILDINGS <i>Dorota Gawryluk, Maciej Kłopotowski</i>	7
2. MODERN ARCHITECTURE – RESIDENTIAL BUILDINGS <i>Maciej Kłopotowski, Dorota Gawryluk</i>	29
3. MODERN BUILDING MATERIALS <i>Beata Sadowska, José Ramón Jimenez, José María Fernández Rodríguez, Fátima Moreno Pérez, José Roldán Cañas, Yair A. Rivas-Sánchez</i>	53
4. MODERNIZATION OF EXISTING BUILDINGS <i>Dorota Anna Krawczyk, Beata Sadowska</i>	107
5. ENERGY CERTIFICATION <i>Rūta Bilinskienė, Dorota Anna Krawczyk, Manuel Ruiz de Adana</i>	131
6. INTELLIGENT BUILDINGS AND AUTOMATIC CONTROL <i>David Martín Bullejos</i>	153
7. MODERN SOLUTIONS IN HEATING SYSTEMS <i>Rūta Bilinskienė, Dorota Anna Krawczyk, Tomasz Janusz Teleszewski, Antonio Rodero Serrano</i>	169
8. MODERN SOLUTIONS IN VENTILATION AND AIR CONDITIONING SYSTEMS <i>Rūta Bilinskienė, Tomasz Janusz Teleszewski, Dorota Anna Krawczyk, Antonio Rodero Serrano</i>	199
9. SMOKE EXTRACTION GARAGES <i>Katarzyna Gładyszewska-Fiedoruk, Povilas Milius</i>	227