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Nota di contenuto	Half Title Page -- Title Page -- Copyright Page -- Contents -- Preface -- About the authors -- Chapter 1: Portland cement and its major constituent phases -- 1.1. Introduction -- 1.1.1 Portland cement: general -- 1.1.2 The invention of Portland cement -- 1.1.3 Types of Portland cement -- 1.1.4 Cement chemical nomenclature and other abbreviations -- 1.1.4.1 Techniques -- 1.1.4.2 Materials -- 1.1.4.3 Properties or reactions -- 1.1.4.4 Pressure units -- 1.2. Alite -- 1.2.1 Polymorphism and crystal structure -- 1.2.2 Tricalcium silicate solid solutions -- 1.2.3 Compositions of alites in clinkers -- 1.2.4 Polymorphic modifications of the alites in clinkers -- 1.2.5 X-ray powder patterns and densities of tricalcium silicate and alites -- 1.2.6 Optical, thermal and other data -- 1.3. Belite -- 1.3.1 Polymorphism and crystal structure -- 1.3.2 Polymorphic forms and textures in clinker belites -- 1.3.3 Compositions of belites in clinkers -- 1.3.4 Cell parameters, X-ray powder patterns and other data -- 1.4. Aluminate -- 1.4.1 Crystal structure: cubic (C), orthorhombic (O) and monoclinic (M) modifications
Sommario/riassunto	The third edition of Cement Chemistry addresses the chemistry and materials science of the principal silicate and aluminate cements used

in building and civil engineering, with emphasis throughout on the underlying science.
