Record Nr. UNINA9910787246703321 13th International Ceramics Congress: proceedings of the 13th **Titolo** International Ceramics Congress, part of CIMTEC 2014-13th International Ceramics Congress and 6th Forum on New Materials, June 8-13, 2014, Montecatini Terme, Italy. Part F / / edited by Pietro Vincenzini, World Academy of Ceramics and National Research Council, Italy: co-edited by Kenneth J.D. MacKenzie, Victoria University of Wellington, New Zealand, Michele Dondi, CNR-ISTEC, Italy, James P. Bennett, NETL-USDOE, USA Faenza, Italy:,: TTP,, [2014] Pubbl/distr/stampa ©2014 **ISBN** 3-03826-688-4 Descrizione fisica 1 online resource (333 p.) Advances in science and technology, , 1662-8969; ; volume 92 Collana Disciplina 620.14 Soggetti Ceramics Ceramic materials Ceramic engineering Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto 13th International Ceramics Congress - Part F; Preface; Table of Contents; Chapter 1: Geopolymers and Geocements; Fabrication and Characterization of Geopolymers from Japanese Volcanic Ashes; Addition of Ammonium Molybdate in Geopolymer Formulation; Alkali-Activated Fly Ash Foams - Synthesis, Chemo-Physical Properties and Microstructure Modeling; Effect of the Reactivity of the Alkaline Solution and the Metakaolin on the Geopolymer Formation; Ceramic Waste as New Precursors for Geopolymerization; Synthesis of Inorganic Polymers Using a CaO-Al2O3-FeO-SiO2 Slag Studies of Natural and Accelerated Carbonation in Metakaolin-Based GeopolymerA Taguchi Approach for the Synthesis Optimization of Metakaolin Based Geopolymers; Mechanical Performances and Corrosion Resistance of Reinforced Fly Ash Geopolymer Mortars; The

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Creep Testing of Refractories at Service Related Load Levels and Application for Material Simulation

Sommario/riassunto

Collection of selected, peer reviewed papers from the 13 th International Ceramics Congress, part of CIMTEC 2014-13 th International Ceramics Congress and 6 th Forum on New Materials, June 8-13, 2014, Montecatini Terme, Italy. The 45 papers are grouped as follows: Chapter 1: Geopolymers and Geocements, Chapter 2: Science and Technology for Silicate Ceramics, Chapter 2-A - Functionalized Surfaces, Chapter 2-B - Manufacturing, Chapter 2-C - New Products and Challenges, Chapter 2-D - Characterization Studies, Chapter 3: Ceramic Refractories.