

**Second International Conference on  
SUSTAINABLE CONSTRUCTION MATERIALS  
AND TECHNOLOGIES**

**June 28 - June 30, 2010  
Ancona, Italy**

*Editors*

**John Zachar**

*Professor , Architectural Engineering and Building Construction Department,  
Milwaukee School of Engineering,  
Milwaukee, Wisconsin, USA*

**Peter Claisse**

*Professor of Construction Materials,  
Faculty of Engineering and Computing,  
Coventry University, Coventry, UK*

**Tarun R. Naik**

*Research Professor and Academic Program Director, UWM Center for  
By-Products Utilization, University of Wisconsin - Milwaukee,  
Milwaukee, Wisconsin, USA*

**Eshmaiel Ganjian**

*Reader, in Civil Engineering Materials,  
Faculty of Engineering and Computing,  
Coventry University, Coventry, UK*

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## Preface

The construction materials industry is a major user of the world's resources. While enormous progress has been made towards sustainability, the scope and opportunities for further improvements are significant. This conference was held at Università Politecnica delle Marche, Ancona, Italy, from June 28th - 30th, 2010, to highlight case studies and research that show new and innovative ways of achieving sustainability of construction materials and technologies.

In 2009, papers were invited on all the different materials that are used in construction including cementitious materials (fly ash, wood ash, slag, silica fume, natural pozzolans, and other similar materials), aggregates, concrete, timber, masonry, metals, plastics, glass, bitumen, lime, and gypsum. Papers on paints, adhesives, preservatives, and preservation processes were also invited.

Over 350 abstracts from 50 countries were submitted for consideration for presentation and publication at the conference. After the selection of abstracts, over 250 manuscripts were selected. These and other invited papers were presented at many technical sessions in Ancona. This publication contains a record of the papers selected for publication in this main proceedings after reviews. The papers covered a wide range of topics including sustainable alternatives for aggregates and cementitious materials in concrete; making concrete sustainable; the economics and environmental impact of sustainable materials; sustainable use of gypsum, lime, soil, natural fibers, wood, and other organic materials; and sustainable construction methods and technologies.

Conference organizers would like to thank Committee members and others who worked hard to prepare and distribute call for papers and program, to conduct confidential review of manuscripts, and to publish proceedings. We greatly appreciate the cooperation of the authors in considering and incorporating review comments for revision of their manuscripts.

It is our sincere hope that the proceedings will be useful to civil engineers, architects, construction managers, researchers, and all other professions related to the construction industry, for achieving sustainable development.

We are considering holding the next conference in 2012 at a venue yet to be decided.

John Zachar  
Peter Claisse  
Tarun R. Naik  
Eshmaiel Ganjian

*Editors, Second International Conference on  
Sustainable Construction Materials and Technologies*



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