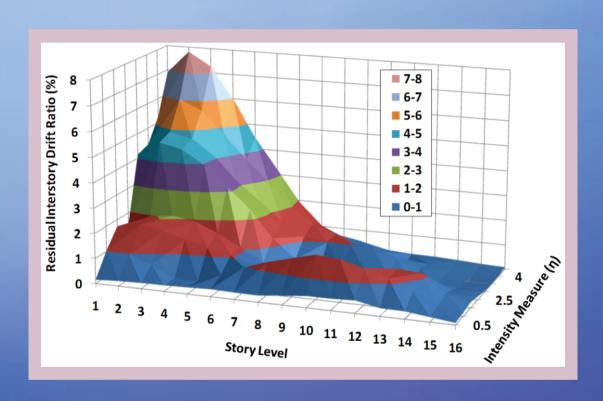


Open Journal of Civil Engineering





Journal Editorial Board

ISSN Print: 2164-3164 ISSN Online: 2164-3172

http://www.scirp.org/journal/ojce/

Editor-in-Chief

Dr. Hwai-Chung Wu Wayne State University, USA

Editorial Board

Prof. Alireza AfshariAalborg University, DenmarkProf. Fabio BisegnaSapienza University of Rome, Italy

Prof. Christopher Chao The Hong Kong University of Science and Technology, China

Dr. Cristina Gentilini University of Bologna, Italy

Dr. Raja Rizwan Hussain King Saud University, Saudi Arabia

Prof. Jian Kang University of Sheffield, UK

Dr. Vojko Kilar University of Ljubljana, Slovenia

Prof. Kiyoshi Kobayashi Kyoto University, Japan

Dr. Triantafyllos Makarios Institute of Engineering Seismology & Earthquake Engineering, Greece

Prof. Ali M. MemariPennsylvania State University, USADr. Navid NastarUniversity of Southern California, USAProf. Low Sui PhengNational University of Singapore, Singapore

Prof. Miroslav Premrov University of Maribor, Slovenia

Prof. Nicola PugnoPolytechnic University of Turin, Italy

Prof. Mohammed Raoof

Dr. Gian A. Rassati

Dr. Marcus P. Rutner

Dr. Rehan Sadiq

Loughborough University, UK
University of Cincinnati, USA
Weidlinger Associates, Inc., USA
University of British Columbia, Canada

Dr. Evangelos J. SapountzakisNational Technical University of Athens, Greece

Dr. Zhi Sun Tongji University, China

Prof. Wen-Pei Sung

National Chin-Yi University of Technology, Chinese Taipei

Prof. Chong-Shien Tsai Feng Chia University, Chinese Taipei

Prof. Francesco Ubertini University of Bologna, Italy Dr. Roberto Valentino University of Parma, Italy

Dr. I-Tung Yang National Taiwan University of Science and Technology, Chinese Taipei

Prof. You-Fu Yang Dalian University of Technology, China

Prof. Hong YuanJinan University, ChinaProf. Ka-Veng YuenUniversity of Macau, ChinaProf. Jun ZhangTsinghua University, China



TABLE OF CONTENTS

Volume 2	Number 2	June 2012
	nterpretation of the Existence at 40°C of an Absolute Maxi	
Hydration Ra	ate of Calcium Sulphate Hemi Hydrate under Microwave I	rradiation
A. Tekkouk, I	E. Karmazsin, M. L. Samai	49
Influence of (CDW Recycled Aggregate on Drying Shrinkage of Mortar	
P. R. L. Lima,	, M. B. Leite	53
Dynamic Ana	alysis of Suspension Bridges and Full Scale Testing	
S. Altın, K. K	Kaptan, S. S. Tezcan	58
The Efficienc	y of Reduced Beam Section Connections for Reducing Res	idual Drifts in
Moment Resi	sting Frames	
K. Kildashti, I	R. Mirghaderi, I. M. Kani	68
Researching a	about the Outdoor Space Design Adjusting to Aging Popul	ation in South-Central in China
H. Z. Xi, Q. H	H. Chen, S. Y. Hu	77
Urban Growt	th Prediction Modelling Using Fractals and Theory of Cha	os
D P Triantal	konstantis	91

The figure on the front cover is from the article published in Open Journal of Civil Engineering, 2012, Vol. 2, No. 2, pp. 68-76 by Kamyar Kildashti, Rasoul Mirghaderi and Iradje Mahmoudzadeh Kani.

Copyright © 2012 SciRes.

Open Journal of Civil Engineering (OJCE)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Civil Engineering* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assumes no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ojce@scirp.org



Open Journal of Civil Engineering

ISSN Print: 2164-3164 ISSN Online: 2164-3172

http://www.scirp.org/journal/ojce/

Open Journal of Civil Engineering (OJCE) is an international journal dedicated to the latest advancement of civil engineering. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of civil engineering.

Editor-in-Chief

Dr. Hwai-Chung Wu

Wayne State University, USA

Editorial Board

Prof. Alireza Afshari Prof. Fabio Bisegna Prof. Christopher Chao Dr. Cristina Gentilini Dr. Raja Rizwan Hussain Prof. Jian Kang Dr. Voiko Kilar Prof. Kiyoshi Kobayashi Dr. Triantafyllos Makarios Prof. Ali M. Memari

Dr. Navid Nastar Prof. Low Sui Pheng Prof. Miroslav Premrov Prof. Nicola Pugno Prof. Mohammed Raoof Dr. Gian A. Rassati Dr. Marcus P. Rutner Dr. Rehan Sadig Dr. Evangelos J. Sapountzakis Dr. Zhi Sun

Prof. Wen-Pei Sung Prof. Chong-Shien Tsai Prof. Francesco Ubertini Dr. Roberto Valentino Dr. I-Tung Yang Prof. You-Fu Yang Prof. Hong Yuan Prof. Ka-Veng Yuen Prof. Jun Zhang

E-mail: ojce@scirp.org

Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Coastal Engineering
- Construction Engineering
- Earthquake Engineering
- Environmental Engineering
- Geotechnical Engineering
- Hydraulic Engineering
- Materials Engineering
- Municipal or Urban Engineering
- Structural Engineering
- Surveying
- Transportation Engineering

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

http://www.scirp.org/journal/ojce