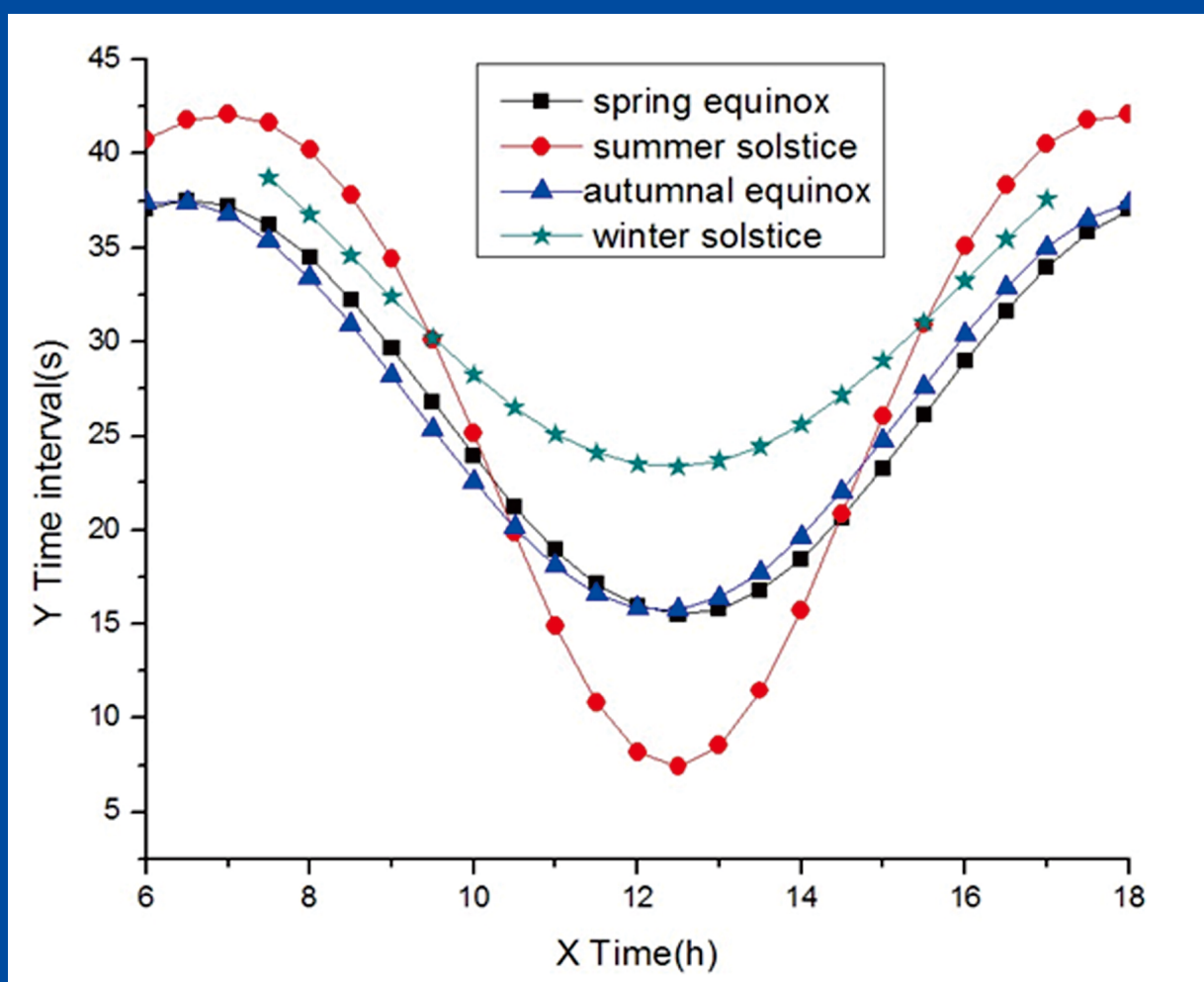
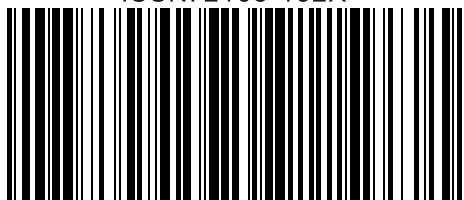


International Journal of Clean Coal and Energy



ISSN: 2168-152X



9 772168 152X0202B

Technical Program Committee

Prof. Vinod Kumar SHARMA	Unità Tecnica Tecnologie Trisaia, Italy
Dr. Manoj Khandelwal	Maharana Pratap University of Agriculture & Technology, India
Prof. Seyed Mojtaba Sadrameli	TMU, Iran
Prof. Dwarkadas Pralhaddas Kothari	J B GROUP OF EDUCATIONAL INSTITUTIONS, India
Dr. Md. Danesh Miah	University of Chittagong, Bangladesh
Prof. Ahmed Hassanain	Suez-Canal University, Egypt
Dr. Veerparkash Sethi	Punjab Agricultural University, India
Prof. B.Sudhakara Reddy	Indira Gandhi Institute of Development Research, India
Dr. Lingfeng Wang	University of Toledo (UT), USA
Dr. Xiaoyu Wang	Brookhaven National Laboratory, USA
Dr. Chia-Chi Chu	National Tsing Hua University, Taiwan (China)
Prof. M. Ramamoorthy	R&D Advisor, Equipment Manufacturing Company, Thane,, India
Dr. Fangxing(Fran) Li	The University of Tennessee at Knoxville, USA
Dr. Ming Xu	Honeywell International Inc, USA
Dr. João Tavares	University of Porto, Portugal
Dr. Chee Keong Kwoh	Nanyang Technological University, Singapore
Prof. Juan Liu	Wuhan University, China
Dr. Wibool Piyawattanametha	Medicine Chulalongkorn University, Thailand
Prof. Xunbin Wei	Shanghai Jiao Tong University, China
Dr. Qin Li	Beijing Institute of Technology, China
Prof. Yong Zhang	National University of Singapore, Singapore
Prof. Jnana Ranjan Kayal	Jadavpur University, India
Prof. PINNADUWA H.S.W. KULATILAKE	Rock Mass Modeling and Computational Rock Mechanics Laboratories, USA
Prof. Wyn Williams	University of Edinburgh, UK
Prof. Goran Kniewald	Division of Marine and Environmental Research, Croatia
Prof. Manoj Mukhopadhyay	King Saud University, Saudi-arabia
Prof. Charles Lemckert	Griffith University, Australia
Dr. Giuseppe Carbone	University of Cassino and South Latium, Italy
Prof. Tao Lin	Wuhan University, China
Prof. Clarence W. de Silva	University of British Columbia, Canada
Prof. Chang-Woo Park	Korea Electronics Technology Institute, Korea (South)
Prof. Jianbin Qiu	Harbin Institute of Technology, China

TABLE OF CONTENTS

Volume 2 Number 2B

May 2013

Swarm Intelligence in Power System Planning

K. Meng, Z. Y. Dong, Y. C. Qiao.....1

Solar Energy and Residential Building Integration Technology and Application

D. Ma, Y.-B. Xue.....8

Solar Hot System and Design of Buildings

Y. B. Xue, J. Zhang.....13

A Sun Tracking System Design for a Large Dish Solar Concentrator

X. S. Jin, G. Q. Xu, R. J. Zhou, X. Luo, Y. K. Quan.....16

Studying of Deformation Processes by Two-Coordinate Laser Strainmeter

G. I. Dolgikh.....21

The Effects of N-acetyl-seryl-aspartyl-lysyl-proline on Expression of NF- κ b and MCP-1 in Rats with Silicosis

Q. Li, F. Yang, L. J. Zhang, H. Xu, W. L. Zhang.....24

Prospects for Coalbed Methane and Shale Gas in a Carbon-Constrained World: A Preliminary Analysis

T. Takeshita.....27

Prospects for Renewable and Fossil-Based Electricity Generation in a Carbon-Constrained World

T. Takeshita.....35

International Journal of Clean Coal and Energy (IJCCE)

Journal Information

SUBSCRIPTIONS

The *International Journal of Clean Coal and Energy* (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©2013 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.

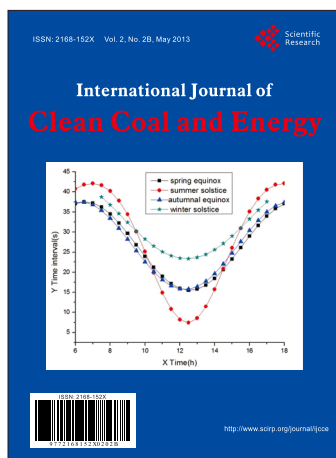
Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any 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: ijcce@scirp.org

Call for Papers



International Journal of Clean Coal and Energy

ISSN Print: 2168-152X ISSN Online: 2168-1538

<http://www.scirp.org/journal/ijcce>

International Journal of Clean Coal and Energy (IJCCE) is an international journal concerned with exploration, production, processing, storage and transportation, economical, managerial, business, environmental, safety and security issues related to coal and energy. The goal of this journal is to provide a platform for researchers and academics all over the world to promote, share, and discuss various new issues and developments in clean coal and energy related problems.

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:

- Carbon Management, Co₂ Sequestration and Storage
- Coal Business and International Trade Regulations
- Coal-Water Slurry Fuel
- Economical Issues Related to Coal Industries
- Environmental Impact of the Coal Industry
- Future Technology and Business in Coal and Energy
- Political and Governmental Issues Related to Coal Industries
- Production of Coal Liquid and Related Processes
- Refined Coal
- Related Safety and Security Issues
- Role of Nanotechnology and Biotechnology in Coal Production and Processing
- Storage and Transportation of Coal

We are also interested in: review papers, technical reports, case studies, conference reports, industrial reports, management reports, book reviews, research notes, and news. Special issues to important topics related to coal technology and related industries, businesses and policies will be published.

Website and E-Mail

<http://www.scirp.org/journal/ijcce> Email: ijcce@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science, by delivering superior scientific publications and scientific information solution provider that enable advancement in scientific research.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, world-wide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



Website: <http://www.scirp.org>
Subscription: sub@scirp.org
Advertisement: service@scirp.org