



ELSEVIER

Fourth International Symposium on Infrastructure Engineering in Developing Countries (IEDC-2013)

11-13 December, 2013, Karachi, Pakistan

Advances in Urban Infrastructure Design, Construction, Maintenance and Management

Call for Papers

Preamble

Fourth International Symposium on Infrastructure Engineering in Developing Countries (IEDC-2013) is aimed to focus and discuss the issues of rising urbanization for sustainable economic growth in developing countries. Three successful international symposia were organized in *IEDC-2001*, *IEDC-2004* and *IEDC-2010*, which were helpful to understand and mitigate urban infrastructure planning, design and management issues.

Publication

IEDC-2013 is a ***Peer Reviewed*** symposium which involves renowned and qualified experts on multidisciplinary areas from all over the world for the exchange of their experience on concepts, trends, and practices of present-day scenarios of infrastructure and transportation issues. The proceedings of the peer reviewed symposium will be published in ***Elsevier*** in ***Procedia Engineering*** for providing maximum international exposure and highly recognized platform for high quality papers. This symposium will provide the potentials and opportunities for nation to establish consensus around priorities for capacity building within and across regions of the world and facilitate access to international support.

Themes

The themes for the submission of conference papers are as listed below. Papers will be peer-reviewed and accepted papers will be published in the ***Elsevier*** in ***Procedia Engineering***. Acceptance of paper will be based on quality, relevance, and originality.

1. Advances in Urban Infrastructure Design-Developing Cities Aspects
 - a. Energy Efficient Design
 - b. Incorporation of Social and Cultural Dimensions
 - c. Cost-Efficient Infrastructure Design
 - d. Efficient use of advanced technologies in Design
2. Construction Management- Issues and Strategies in Developing Countries
 - a. Use of Artificial Intelligence Techniques in Construction
 - b. Construction Productivity Improvement
 - c. Strategic Management and Planning
 - d. Building Information Systems
 - e. State-of-art in Construction Engineering and Management
3. Sustainable Urban Systems for Developing Countries
 - a. Green Built-up Environment
 - b. Barriers in Sustainable Development
 - c. Novel Ideas and their effectiveness
 - d. Energy Efficient Materials And Construction
 - e. Smart Technologies: Experiences from Developing Countries
4. Municipal Infrastructure Monitoring and Management-Developing countries Context
 - a. Integrated Urban Water Management
 - b. Challenges in Dealing with Urban Waste
 - c. Infrastructure Asset Management
 - d. Pre and Post Disaster Management Strategies
5. Pavement, Materials Design And Maintenance
 - a) Mechanistic Pavement Design Methods
 - b) Innovative Materials For Distress Control In Pavements
 - c) Modern Pavement Maintenance Techniques
 - d) Energy Efficient Pavement Construction Techniques
6. Transportation Modeling
 - a) Traffic Flow Models
 - b) Travel Demand/ Behavioral Modeling
 - c) Activity-Based Models
 - d) Mathematical Optimization in Traffic Engineering
 - e) Collaborative transport, including collaborative multi-modal transport
 - f) Human Factors Including Adaptive Driving, Travel Behavior, Persuasive Technology

7. Transport Policy

- a) Travel Demand Management/ Mass Transit Policies
- b) Novel Applications targeted to Health, Mobility, Livability and Sustainability
- c) Renewable Energy Sources in Transportation
- d) Social and Institutional Information Related to Travel
- e) Road Pricing/ Traffic Congestion

8. Road Safety Analysis and Methodologies

- a) Accident Analysis and Models
- b) Role of Mass Communication Mediums
- c) Road Incident Management
- d) Road Safety-Innovative Solutions
- e) Crash Worthiness

Submission

All papers accepted for workshops will be included in the IEDC-2013 proceedings, which will be published by Elsevier. The submitted paper must be formatted according to the guidelines of Procedia Engineering (<http://www.elsevier.com/journals/procedia-engineering/1877-7058/guide-for-authors>) either using a MS Word or a Latex template.

The number of pages for conference papers is limited to 8 pages. Authors should submit their contributions electronically in PDF format.

The submission processes will be managed by easychair.org. If you have used this system before, you can use the same username and password. If this is your first time using EasyChair, you will need to register for an account by clicking "I have no EasyChair account" button. Upon completion of registration, you will get a notification email from the system and you are ready for submitting your paper. You can upload and re-upload the paper to the system by the submission due date.

The selective outstanding papers presented at the symposium, after further revision, will be considered for publication in journals special issues. In case of any problem with submission, please contact the symposium chair for assistance.

Important Dates

Full Paper Submission: 15th July'2013

Acceptance of Full Paper: 1st Oct' 2013

Camera Ready Paper: 1st Nov'2013

Early Bird Registration: 30th Nov' 2013

Conference Date: 11th to 13th Dec'2013