

# Third International Symposium on Infrastructure Engineering in Developing Countries (IEDC-2010)

and

## 1<sup>st</sup> International Conference on Sustainable Transportation & Traffic Management

July 1-3, 2010-Karachi, Pakistan.

### Call for Papers

Third International Symposium on Infrastructure Engineering in Developing Countries (IEDC-2010) is aimed to highlight and discuss the problems of rapid urbanization in developing countries. NED University has successfully organized two international symposia (IEDC-2001 and IEDC-2004), which were helpful to understand and mitigate urban infrastructure planning and management issues. A four-year undergraduate degree program, Bachelor of Urban Engineering accredited by Pakistan Engineering Council, is being successfully carried out to produce a team of professionals capable of addressing urban infrastructure planning, design and management problems. IEDC-2010 is focused on transportation infrastructure and traffic management, which is an integral part of this unique undergraduate program in Pakistan.

#### Steering Committee

Chair: Prof. Dr. Mir Shabbar Ali  
(NED)

Co-Chair: Prof. Dr. Waheed Uddin  
(USA)

#### Advisory Committee

Chair: Prof. Dr. S.F.A. Rafeeqi  
(NED)

Co-Chair: Dr. Jennaro B Odoki  
(UK)

#### Conference Coordinators

1. Mr. Afzal Ahmed
2. Ms. Madiha Abid
3. Mr. Muhammad Umer

#### Abstract Submission

Submit an abstract of maximum 250-words by completing the abstract submission form at:

[http://www.neduet.edu.pk/UE/IEDC-2010/Abstract\\_Submission.html](http://www.neduet.edu.pk/UE/IEDC-2010/Abstract_Submission.html)

#### Deadlines

Abstract Submission: Nov. 07, 2009

Abstract Acceptance: Nov. 21, 2009

Paper Submission: Jan. 31, 2010

Paper Acceptance: Mar. 31, 2010

Registration deadline for authors

(Discounted @ 25% for participants): May 31, 2010

#### Conference Website:

<http://www.neduet.edu.pk/UE/IEDC-2010/Home.html>

#### Contact us

The Conference Secretariat is located at NEDUET, Karachi Pakistan. For inquiries write to:  
Prof. Dr. Mir Shabbar Ali  
Chairman Department of Urban & Infrastructure Engineering,  
NEDUET, Karachi, Pakistan.  
Tel: +92-21-99261261-8 Ext: 2354

#### Conference Venue

Ramada Plaza Karachi,  
Star Avenue, Terminal 1,  
Karachi-75530, Pakistan.

International Conference on Sustainable Transportation and Traffic Management-2010 is the first of its nature in Pakistan to highlight transportation and traffic management practices over different countries of the world. It will provide the platform for stakeholder, personnel from academia and researchers related to the transportation industries of the participating countries. The conference will also be helpful in sharing of ideas, transfer of technologies and development of linkages between the transportation industries of developed and developing countries.

The event is a part of USAID-Higher Education Commission of Pakistan funded project entitled "The Development of Intelligent Transportation System (ITS) based Traffic Management Model for Metropolitan Areas of Pakistan". This project is being jointly conducted by NED University of Engineering and Technology (NEDUET), Karachi and Center for Advanced Infrastructure Technology (CAIT) at the University of Mississippi, USA. It will bring together renowned and qualified transportation and planning professionals, academics, clients, and contractors from all over the world, for the presentation and exchange of their experience on concepts, trends, and practices of present-day scenarios of transportation and traffic management.

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

#### 1. Urban Infrastructure Design and Management in Developing Countries

- 1.1 Urban water supply and drainage
- 1.2 Disaster management and rehabilitation
- 1.3 Remote sensing and GIS applications for infrastructure asset management
- 1.4 Health monitoring of infrastructure facilities

#### 2. Sustainable Transportation and Environment

- 2.1 Environmental impacts of transportation infrastructure developments
- 2.2 Travel behavior modeling
- 2.3 Transportation network optimization
- 2.4 Transportation and traffic surveys
- 2.5 Urban mass transportation system for metropolitan areas

#### 3. ITS Modeling and Analysis

- 3.1 Data mining and analysis
- 3.2 Travel behavior under ITS
- 3.3 Traffic simulation and modeling
- 3.4 Geographic Information System for ITS modeling
- 3.5 Travel information and guidance systems

#### 4. Travel and Traffic Management

- 4.1 Landuse and transportation interaction
- 4.2 Traffic control strategies
- 4.3 Travel demand management
- 4.4 Fleet management

#### 5. Traffic Safety and Emergency Management

- 5.1 Incident management
- 5.2 Emergency vehicle management
- 5.3 Automated vehicle operation
- 5.4 ITS applications for road safety