

## CONFERENCE PROGRAM

# Sixth International Conference on Construction in the 21st Century (CITCVI 2011)

Kuala Lumpur, Malaysia  
July 5-7, 2011

Jointly organized by:



Faculty of Architecture, Planning and Surveying  
Universiti Teknologi Mara (UiTM)  
Shah Alam 40450  
Selangor, Malaysia



Department of Construction Management  
College of Technology & Computer Science (TECS)  
East Carolina University (ECU)  
Greenville, North Carolina U.S.A.



Department of Construction Management  
College of Engineering & Computing  
Florida International University (FIU)  
Miami, Florida, U.S.A.

Supported by:

Faculty of Civil Engineering,  
UiTM Shah Alam



Applied for CPD/CCD and Supported by:

CONSTRUCTION INDUSTRY DEVELOPMENT BOARD (CIDB) – 20 CCD  
LAND SURVEYOR BOARD – 1 CPD  
BOARD OF QUANTITY SURVEYORS MALAYSIA- 6 CPD  
BOARD OF ARCHITECTS MALAYSIA – 6 CPD  
BOARD OF ENGINEERS MALAYSIA – 10 CPD



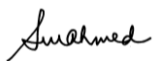
## Welcome to CITC-VI Kuala Lumpur 2011

Welcome to the Sixth International Conference on Construction in the 21st Century: Construction Challenges in the New Decade, jointly organized by the Universiti Teknologi Mara, Malaysia, East Carolina University, Greenville, North Carolina, USA, and the Florida International University, Miami, Florida, USA. This congress will address different perspectives in the construction industry in an effort to better understand and improve the construction industry in the twenty-first century. We have put together an elaborate program covering almost all aspects of construction.

It is a great honour and privilege for us to host the CITC-VI conference in Kuala Lumpur, Malaysia. In past years, this growing city has played host to many international cultural, political and sporting events, and is also home to the tallest twin buildings in the world, the Petronas Towers. As one of Kuala Lumpur's many architectural wonders, these impressive towers serve as an iconic symbol of Malaysia's innovative developments and contributions to construction in the modern world.

Kuala Lumpur also provides an environment where the exchange of ideas and research data is shared between people from all parts of the globe. Please use this opportunity to meet and greet your fellow "constructioners" from all over the world. Besides attending the conference, we hope you will take the time to visit some of Kuala Lumpur's many local attractions, like the Istana Negara (National Palace), the Kuala Lumpur Tower, or the pedestrian mall at the Central Market. Please feel free to contact any member of the organizing committee during the conference if you have questions or need assistance.

Finally, on behalf of Universiti Teknologi Mara, East Carolina University, and the Florida International University, we wish you a very pleasant stay in Kuala Lumpur during this conference.



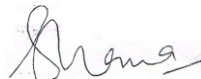
Syed M. Ahmed  
Chair CITC-VI  
College of Technology & Computer Science  
East Carolina University  
346 Rawl Building, Mail Stop 307  
Greenville, North Carolina, USA



Assoc. Prof. Dr. Hamimah Adnan  
Co-Chair CITC-VI  
Faculty of Architecture Planning and Surveying  
Universiti Teknologi MARA  
40450 Shah Alam, Selangor  
Malaysia



Salman Azhar  
Technical Chair CITC-VI  
McWhorter School of Building Science  
College of Architecture, Design & Construction  
Auburn University  
Auburn, Alabama, USA



Assoc. Prof. Dr. Roshana Takim  
Program Chair CITC-VI  
Faculty of Architecture Planning and Surveying  
Universiti Teknologi MARA  
40450 Shah Alam, Selangor  
Malaysia

**C3: Decision Making and Risk Analysis & Building Information Modelling  
(Function Room 7 and 8)**

*Session Chair: Dr. Khalid Siddiqi, Southern Polytechnic State University, Marietta, Georgia, USA*

Papers:

- 1 10:45-10:55 **Project Governance in Malaysia Hillside Developments**  
*-Eric G. Too, Najwa Adnan, Bambang Trigunarsyah*
- 2 10:55-11:05 **Major Quantitative Techniques for Risk Analysis in the Construction Industry – A Comparative Analysis**  
*-Xiao-Hua Jin, Jian Zuo, Karolina Mijatovic*
- 3 11:05-11:15 **Personalized Multidimensional Process Framework For Dynamic Risk Analysis In The Real Estate Industry**  
*-Nur Atiqah Rochin Demong, Jie Lu*
- 4 11:15-11:25 **Bidding AHP Model for Iranian Construction Contractors to Select the Best Bidding Project**  
*-Babak Karam Barangi, Seyed Hamed Moosavi, Seyed Mojtaba Hosseinalipour, Amir Mohammad Amir Ebrahimi*
- 5 11:25-11:35 **Identifying and Examining Affecting Factors on the Decision to Bid/no Bid at Iranian Well-Established Contracting Firms**  
*-Seyed Hamed Moosavi, Babak Karam Barangi, Hussein Rajaei*
- 6 11:35-11:45 **Risk Assessment for Water Supply Projects using Public Private Partnership (PPP)/ Private Finance Initiative (PFI)**  
*-Soleyman Paydar, Intan Rohani Endut*
- 7 11:45-11:55 **Risk Assessment of Common Construction Hazards among Different Countries**  
*-Samaneh Zolfagharian, Aziruddin Ressang, Javier Irizarry, Mehdi Nourbakhsh, Rosli Mohamad Zin*
- 8 11:55-12:05 **Derivatives Trading Strategy for Managing Material Price Risks**  
*-Rebecca Macdonald, W. Edward Back*
- 9 12:05-12:15 **Building Information Modeling in Architectural Education: The Case of the Middle East**  
*-Ahmad Okeil, Magdy Ibrahim*
- 10 12:15-12:25 **Lessons Learned from Implementing Building Information Modeling (BIM) Technology in Thailand's Architectural Industry**  
*-Kevin Tantisevi, Worapoj Boriharn*
- 11 12:25-12:35 **BIM and Conditional Query Estimation**  
*-Pavan Meadati, Soubhaya Purnima Nelabhotla, Amin K. Akhnoukh*

**13:00 – 14:00 Lunch**

## Session Chairs

<b>Session</b>	<b>Time</b>	<b>Session Chair</b>
<b>July 5, 2011 (Tuesday)</b>		
A1	10:30-13:00	Dr. Lincoln Forbes, Miami-Dade County Schools Office, Florida, USA
B1	10:30-13:00	Dr. Julian Kang, Texas A&M University, Texas, USA
C1	10:30-13:00	Dr. Anthony Hatfield, University of Wolverhampton, United Kingdom
A2	14:45-17:00	Dr. Atta-Ullah Shah, Allama Iqbal Open University Islamabad, Pakistan
B2	14:45-17:00	Dr. Chibueze Ogbonna, Federal University of Technology, Owerri, Imo, State, Nigeria
C2	14:45-17:00	Dr. S. L. Tang, City University of Hong Kong, Hong Kong
<b>July 6, 2011 (Wednesday)</b>		
A3	10:30-13:00	Dr. Malik Khalfan, Royal Melbourne Institute of Technology (RMIT), Melbourne, Victoria
B3	10:30-13:00	Dr. Zuhair-El-Itr, Southern Polytechnic State University, Marietta, Georgia, USA
C3	10:30-13:00	Dr. Khalid Siddiqi, Southern Polytechnic State University, Marietta, GA, USA
A4	14:45-17:00	Dr. Rafiq M. Choudhry, National University of Sciences and Technology, Pakistan
B4	14:45-17:00	Dr. Irtishad Ahmad, Florida International University, Miami, Florida, USA
C4	14:45-17:00	Dr. Eleni Tsechelidou, Aristotle University of Thessaloniki, Thessaloniki, Greece

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Faculty of Architecture, Planning and Surveying,  
Universiti Teknologi MARA Shah Alam, MALAYSIA***

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- Zulkifli Sapeciay





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