

The Department of Mechanical Engineering/College of Engineering and Applied Sciences
Stony Brook University

Mechanical Engineering Seminar



Irtishad Ahmad

Florida International University
Professor and Chair, Department of Construction Management

Lecture Title: ICT-induced Integration and Globalization in Construction

Thursday, April 12, 2012, 11AM, Room 173 Light Engineering

Abstract

It is widely accepted that Information and Communication Technology (ICT) promotes efficiency in communication and as a result, brings increased effectiveness in the process of engineering construction. It is inconceivable that today's large and complex construction projects with the vast volume of planning, design, cost and scheduling information processed can be run at the necessary speed without using ICT. This is especially true in today's global context. In this presentation, globalization is viewed as a process of integration and ICT as a tool that can effectively promote integration in design and construction. In this seminar, ICT's potentials across different levels of integration – informational, organizational and contractual in the design and construction industry will be critically examined. Opportunities and challenges facing engineering and construction organizations will be outlined conceptually by illustrating a widely known ICT product, Building Information Modeling, or BIM as it is commonly known.

Biography

Irtishad Ahmad, Ph.D., P.E., Fellow, ASCE is a Professor of Construction Management in the College of Engineering and Computing at Florida International University. He has been the Chair of the Department of Construction Management at FIU since 2004 and recently has been named as the founding Director of the newly endowed OHL School of Construction at FIU. He earned his doctoral degree in civil engineering in 1988 from University of Cincinnati. His research interests include civil engineering infrastructure development, national development, and ICT (Information and Communication Technology) in construction education and organizations. He taught previously in North Dakota State University, University of Cincinnati, and Bangladesh University of Engineering and Technology. Dr. Ahmad is a consultant and a registered professional engineer. He is a frequent speaker in national and international conferences on topics ranging from information technology in construction to effects of wind loading on structures. He completed several funded research projects in construction and civil engineering and published extensively. Dr. Ahmad has co-authored a book entitled *Quantitative Techniques for Decision Making in Construction*. He served as the Editor-in-Chief of the *Journal of Management in Engineering*, published by the American Society of Civil Engineers (ASCE) for six years from 2002 to 2008 and is currently an Executive Member of the Editorial Board of the same journal. He also serves on the Editorial Board of the *Leadership and Management in Engineering* published by ASCE.

Directions: Please refer to website: <http://www.sunysb.edu> or call Augusta Kuhn at 631-632-8310 for more information.
Check <http://me.eng.sunysb.edu> for any changes to location or time.