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RÉSUMÉ

Teaching, Research & Consulting Interest

My teaching interest primarily is focused on construction safety, risk analysis and management, total quality management, economic feasibility and analysis of construction projects, construction scheduling, and construction cost analysis and control, construction financial management and the management of construction organizations and projects. My research areas of focus have been construction risk management, total quality management, construction safety, construction contracts, construction education and IT applications in construction.

I have consulting interest and experience in the fields of construction safety, claims, construction planning and scheduling, and risk analysis and management of construction projects.

Education

- Ph.D. (1993) in Civil Engineering majoring in Construction Engineering & Management with minor in Industrial and Systems Engineering, Georgia Institute of Technology, Atlanta, Georgia, USA. Dissertation Topic - An Integrated Total Quality Management Model for the Construction Process.
- MSCE (1989) majoring in Construction Engineering & Management with minor in Industrial and Systems Engineering, Georgia Institute of Technology, Atlanta Georgia, USA.
- BSCE (1984) University of Engineering and Technology, Lahore, Pakistan.

Employment History

- Dec. 1999 - Present, Assistant Professor and Graduate Program Director, Department of Construction Management, College of Engineering Florida International University (FIU) Miami, Florida
- Sept. 1995 - Dec. 1999, Lecturer, Department of Civil & Structural Engineering, The Hong Kong Polytechnic University (HKPU), Hong Kong, China
- Nov. 1993 - August 1995, Assistant Director, Special Projects Directorate, Capital Development Authority, Islamabad, Pakistan
- Sept. 1989 - October 1993, Georgia Tech., Atlanta GA, USA, Ph.D. Student, Research and Teaching Assistant; Project Intern, CRSS-AMC, Construction Managers, Atlanta, Georgia, USA
- Sept. 1987 - Sept. 1989, M. Sc. Student/Research Assistant, Georgia Tech., Atlanta GA, USA
- August 1984 - Sept. 1987, Assistant Executive Engineer, Capital Development Authority, Islamabad, Pakistan,
- April 1984 - July 1984, Design Engineer, DESIGNMEN Consulting Engineers, Ltd., Islamabad, Pakistan
- January 1984 - March 1984, Trainee Engineer, McDonald Layton and Company, Islamabad, Pakistan

EXECUTIVE SUMMARY

Funded Research & Training Grants

Obtained nine research grants and one training grant from state and private sources during the past ten years. These research grants were awarded on a competitive basis. All of these projects were successfully completed on time and accepted by the funding agencies. The awards have totaled \$325,000. Several masters' degree students were, or are being, supported from these grants.

The funding agencies have included:

- Florida Department of Education
- Building Construction Industry Advisory Committee of the State of Florida Department of Education
- Florida Department of Community Affairs (Florida Building Commission)
- Coastal Construction Company

External Funds Acquired

As Principal Investigator:	\$266,000
As Co- Principal Investigator:	\$122,000
As Project Director: (OSHA Training Grant)	<u>\$ 30,000</u>
Total	\$418,000

Miscellaneous External Funds

Conference Revenue (Gross): Series of International Conferences on *Construction in the 21st Century* (CITC):

CITC-I , April 2002	\$57,384 (Held in Miami)
CITC-II, December 2003	\$45,000 (Held in Hong Kong)
CITC-III, September 2005	\$72,370 (Held in Athens, Greece)
Workshop on Best Value	<u>\$6,395</u> (Held in Miami)

Total \$181,149

Number of Graduate Students
Supported (Partially) from
1/2000 to 12/2005 9

Statistics of Research Grants, Publications and
Scholarly Activities

	At Florida International University	At Hong Kong Polytechnic University	Total
Funded Research (Completed)	5	4	9
Funded Research/Training Grant (Ongoing)	2	-	2
Grant Proposals Under Review	1	-	1
Refereed Journal Papers	16	8	24
Refereed Proceedings Papers	31	18	49
Edited Proceedings	3	-	3
Books (co-authored)	3	1	4
Book Reviews	4	-	4
Technical Reports	4	4	8

Total publications number more than 80 (eighty)

Professional Service

Member of the Associated Schools of Construction (ASC) Research Committee
 Member of the American Society of Civil Engineering (M.ASCE)
 Member of the ASCE (Construction Institute) Academic Committee
 Member of the UNESCO International Center for Engineering Education (M.UICEE)
 Reviewer for ASC Journal of Construction Education
 Reviewer for ASCE Journal of Management in Engineering
 Reviewer for Journal of Construction Management & Economics
 Reviewer for the International Journal of Construction Management
 Reviewer for the Journal of Cost Analysis & Control
 Reviewer for Prentice Hall and McGraw Hill (Books)

University/College/Department Service

Member of the University Undergraduate Council from 2001-2002
 Member of Faculty Council, College of Engineering & Computing (CEC) for the year 2004-2005 and
 2005-2006
 Member of the College Committee on Strategic Planning in 2003-2004
 Member of the College Curriculum Committee from 2001-2003
 Member of the College Committee in 2004-2005 and 2002-2003 on MS in Construction Engineering
 Member of the Search & Screen Committee for the Chair of the Civil & Environmental Engineering
 Department in 2003-2004
 Graduate Program Director in the CM department from January 2001 to present

Chair of the Faculty Search & Screen Committee in the CM department in 2003-2004 and 2004-2005 and as a Member in 2001-2002, 2002-2003 and 2005-2006

International Conferences

Conceived and Co-Chaired the “First International Conference on Construction in the 21st Century: Challenges & Opportunities in Management and Technology,” held in Miami, FL, USA from April 25-26, 2002 (<http://www.fiu.edu/~citic>). Organized by the Departments of Construction Management & Civil and Environmental Engineering of the College of Engineering & computing at Florida International University.

Program Chair of the “Second International Conference on Construction in the 21st Century: Sustainability & Innovation in Management & Technology,” held in Hong Kong from December 10-12, 2003 (<http://www.fiu.edu/~citic>). Organized by the Florida International University and the Hong Kong Polytechnic University.

Program Chair of the “Third International Conference on Construction in the 21st Century: Engineering, Technology & Management,” held in Athens, Greece from September 15-17, 2005 (<http://www.fiu.edu/~citic>). Organized by the Florida International University and the National Technical University of Athens, Greece.

Chair of the “Fourth International Conference on Construction in the 21st Century,” to be held in Gold Coast, Australia from July 11-13, 2007. Organized by the Florida International University and Griffith University, Australia.

International Recognition

- Invited as a guest speaker to the ‘PMI Pakistan Lahore Chapter’ Seminar on “Construction Risk Management” in June 2005
- Invited to conduct a three-day workshop on “Advanced Project Management,” organized by the NED University of Engineering & Technology, Karachi Pakistan in May 2005
- Invited to serve as a foreign examiner for a Ph.D. Thesis at the Madurai Kamaraj University in Madurai, India in July 2005
- Appointed Visiting Professor in the Department of Civil Engineering for seven weeks by the Higher Education Commission, Government of Pakistan to conduct short courses and workshops for final year civil engineering students of the University of Engineering & Technology, Taxila, Pakistan; and for professionals from the construction and engineering industry in July/August 2004
- Invited to conduct a two-day workshop in Hong Kong for local construction industry professionals on “TQM and Strategic Planning,” organized by Hong Kong Polytechnic University in December 2003
- Invited to conduct a three-day workshop in Hong Kong for local construction industry professionals on “Project Management Information Systems,” organized by Hong Kong Polytechnic University in August 2001

- Keynote address in the “International Seminar on Safety and Health Culture through Training and Development in the Construction Industry,” held in New Delhi, India in January 2001
- Keynote speaker on the “2nd Asia-Pacific Forum on Engineering & Technology Education,” held at the University of Sydney, Sydney, NSW, Australia in July 1999

Teaching

- Developed one graduate course and one graduate certificate program
- Expanded, revised and updated almost all the undergraduate and graduate courses taught during the past five and a half years
- Taught eleven different graduate courses and four different undergraduate courses
- Graduate Research
 - Supervised one Masters thesis as major professor
 - Supervising one Masters thesis as major professor
 - Serving as committee member for two on-going Masters theses
 - Served in one completed Doctoral dissertation committee (Mr. Salman Azhar, 2001-2004)
 - Serving as committee member for two on-going doctoral dissertations
 - Supervising two construction management Ph.D. students - one enrolled in civil engineering and the other in industrial engineering
 - Supervised several independent studies successfully

Student Evaluations

Average scores obtained from the 392 student responses on the question of "*overall assessment of instructor*" during the last six (2000-2005) years (includes both graduate and undergraduate courses taught).

Excellent: 48.98%; Very Good: 34.69%; Good: 13.01%; Fair: 2.04%; and Poor: 1.02%

DETAILED CURRICULUM VITAE

EDUCATION

<u>Degree</u>	<u>Institution</u>	<u>Field</u>	<u>Dates</u>
Ph.D.	Georgia Institute of Technology, Atlanta, GA, USA	Civil Engineering (Major-Construction Management) (Minor-Management Science/ Industrial Engineering)	1993
MSCE	Georgia Institute of Technology, Atlanta, GA, USA	Civil Engineering (Major-Construction Management) (Minor-Management Science/ Industrial Engineering)	1989
BSCE	University of Engineering, & Technology, Lahore, Pakistan	Civil Engineering	1984

FULL-TIME ACADEMIC EXPERIENCE

<u>Institution</u>	<u>Rank</u>	<u>Field</u>	<u>Dates</u>
Florida International University Miami, Florida	Assistant Professor and Graduate Program Director	Dept of Construction Management	Dec.1999- Present
Hong Kong Polytechnic University Hong Kong	Lecturer	Dept of Civil & Structural Eng.	Sept. 1995- Dec. 1999

PART-TIME ACADEMIC EXPERIENCE

<u>Institution</u>	<u>Rank</u>	<u>Field</u>	<u>Dates</u>
Georgia Institute of Technology Atlanta, GA, USA	Research and Teaching Assistant /PhD Student	Dept of Civil Engineering	Sept. 1989- Oct. 1993
Georgia Institute of Technology Atlanta, GA, USA	Research and Teaching Assistant /MS Student	Dept of Civil Engineering	Sept. 1987- Oct. 1989

NON-ACADEMIC EXPERIENCE

<u>Place of Employment</u> <u>Dates</u>	<u>Title</u>	
Capital Development Authority, Islamabad, Pakistan	Assistant Director	Nov. 1993- Aug. 1995
CRSS-AMC, Construction Managers Atlanta, Georgia, USA	Assistant to Project Manager	May 1992- Oct. 1993
Capital Development Authority, Islamabad, Pakistan	Assistant Executive Engineer	Aug. 1984- Sep. 1987
DESIGNMEN Consulting Engineers, Ltd., Islamabad, Pakistan	Design Engineer	Apr. 1984- Jul. 1984
McDonald Layton and Company Islamabad, Pakistan	Trainee Engineer	Jan. 1984- Mar. 1984

LIST OF PUBLICATIONS

Books

1. Tang, S. L., **Ahmed, Syed M.**, Aoieong, R. T. & Poon, S. W. (2005). *“Construction Quality Management,”* Hong Kong University Press, Construction & Real Estate Series - ISBN: 962-209-746-4.
2. Tang, S.L., Ahmad, I. U., **Ahmed, Syed M.** & Ming Lu (2004). *“Quantitative Techniques for Decision Making in Construction,”* Hong Kong University Press, Construction & Real Estate Series - ISBN: 962-209-705-7.
3. Tang, S. L., Poon, S. W., **Ahmed, Syed M.** & Wong, F. K. W. (2003). *“Modern Construction Project Management,”* 2nd Edition (1st Edition Printed in 1998), Hong Kong University Press, Construction & Real Estate Series - ISBN: 962-209-567-4.

Refereed Papers in Professional Journals

At Florida International University (FIU)

1. **Ahmed, Syed M.**, Aoieong R., & Tang, S.L. (2005). "A Comparison of Quality Management Systems in the Construction Industries of Hong Kong and USA," *International Journal of Quality & Reliability Management*, Vol. 22, No. 2, pp. 149-161.
2. De Saram D. D., **Ahmed, Syed M.** & Anson, M. (2004). "Suitability of Critical Incident Technique (CIT) to Measure the Quality of Construction Co-ordination," *Journal of Management in Engineering*, Vol. 20, Issue 3, pp. 97-109.
3. Tang, S. L., Aoieong R., & **Ahmed, Syed M.** (2004). "The Use of Process Cost Model (PCM) for Measuring Quality Costs of Construction Projects: Model Testing," *Journal of Construction Management & Economics*, Issue No. 3, Vol. 22, pp. 263-275.
4. Caballero A., **Ahmed, Syed M.** & Azhar, S. (2004). "Risk Evaluation Using a Fuzzy Logic Model," *WSEAS Transactions on Business and Economics*, Issue 1, Volume 1, January 2004, pp. 18-23.
5. **Ahmed, Syed M.**, Sang, Li. Pui & Torbica, Zeljko M. (2003). "Use of Quality Function Deployment in Civil Engineering Capital Project Planning," *Journal of Construction Engineering & Management*, ASCE, 129(4), pp. 358-368.
6. Ahmad, I., Azhar, S. & **Ahmed, Syed M.** (2003). "Construction of a Bridge in a Developing Country: A Bangladesh Case Study," *Journal of Leadership & Management in Engineering*, ASCE, 3(4), pp. 177-182.
7. **Ahmed, Syed M.**, Azhar, S. & Ahmad, I. (2002). "Evaluation of Florida General Contractor's Risk Management Practices," *Revista Ingeniería de la Construcción (Construction Engineering Journal)*, Vol. 17, No. 1, pp. 4-10.
8. **Ahmed, Syed M.**, Azhar, S. & Ahmad, I. (2002). "Supply-Chain Management in Construction: Scope, Trends and Barriers," *Delhi Business Review - An International Journal of Society of Human Transformation & Research*, Vol. 3, No. 2. July-December, pp. 4-10.
9. Joaquin, E. Acosta, C. & **Ahmed, Syed M.** (2002). "Using the Expected Monetary Value (EMV) Criteria for Decision Making to Implement a Safety Program in Construction Companies," *Revista Ingeniería de la Construcción (Construction Engineering Journal)*, Vol. 1, No. 1, pp. 15-22.
10. **Ahmed, Syed M.**, Ahmad, I. & Azhar, S. (2002). "Current State and Trends in E-commerce in the Construction Industry: Analysis of a Questionnaire Survey," *Revista Ingeniería de la Construcción (Construction Engineering Journal)*, Vol. 1, No. 1, pp. 47-58.

11. Aoieong, R., Tang, S. L. & **Ahmed, Syed M.** (2002). "A Process Approach in Measuring Quality Costs of Construction Projects: Model Development," *Journal of Construction Management & Economics*, 20, pp. 179-192.
12. Lam, K. S., **Ahmed, Syed M.**, Lo, C. L. & De Saram, D. D. (2001). "An Analysis of Safety Management System to Minimize the Risks of Working at Height," *Delhi Business Review - An International Journal of Society of Human Transformation & Research*, Vol. 2, No. 2. July-December. (First Page of Paper Not Available).
13. **Ahmed, Syed M.**, Wan, C. K., Lee, W.T. & Wong, Y. C. (2001). "Application of Safety Management: A study on Current Attitudes of Hong Kong Contractors," *Delhi Business Review - An International Journal of Society of Human Transformation & Research*, Vol. 2, No. 1. January-June, pp. 45-58 (Best Paper Award).
14. De Saram, D. D., & **Ahmed, Syed M.** (2001). "Construction Co-ordination Activities: What is Important and What Consumes Time," *Journal of Management in Engineering*, ASCE, 17(4), pp. 202-213.
15. **Ahmed, Syed M.**, Tang, S.L. & Ng, S. F. (2000). "Quality Assurance of Construction Works and the Pay for Quality Scheme (PFQS)," *Asia Engineer, Journal of HKIE*, January 2000, pp. 10-11.
16. **Ahmed, Syed M.**, Kwan C., Young W. M. & Pui, C. H. (2000). "Site Safety Management in Hong Kong," *Journal of Management in Engineering*, ASCE, 16(6), pp. 34-42.

At Hong Kong Polytechnic University (PolyU)

17. **Ahmed, Syed M.**, Tang, S. L., Lee, K. H. & De Saram, D.D. (1999). "Risk Management by a Specialist Contractor," *Construction and Real Estate Review*, Vol. 3, No. 2, pp. 8-11.
18. **Ahmed, Syed M.**, Ahmad, R. & De Saram, D. D. (1999). "Risk Management Trends in Hong Kong Construction Industry - A Comparison of Contractors' and Owners' Perceptions," *Journal of Engineering, Construction and Architectural Management*, Vol. 6, Issue 3, September, pp. 225-234.
19. **Ahmed, Syed M.**, Tang, S. L., & Cheng, W. K. (1999). "Tender Evaluation and Analysis," *Construction & Real Estate Review*, Vol. 3, No.1, pp. 7-9.
20. **Ahmed, Syed M.**, Ahmad, R. & De Saram, D. D. (1998). "Risk Management in Management Contracts," *Asia-Pacific Journal of Building & Construction Management*, Vol. 4, pp. 23-31.
21. **Ahmed, Syed M.**, Ahmad, R. & De Saram D. D. (1998). "Risk Management Perceptions and Trends of Hong Kong Contractors and their Comparison with United States Contractors," *The International Journal of Project and Business Risk Management*, Vol. 2, Issue 1, pp. 95-110.

22. **Ahmed, Syed M.** & De Saram D. D. (1998). "Training and Education in Project Management in the Hong Kong Construction Industry," *Global Journal of Engineering Education*, Vol. 2, No. 3, pp. 305-312.
23. **Ahmed, Syed M.** & Chim, S.P. (1997). "Application of Risk Management Techniques to Improve Safety in the Hong Kong Construction Industry," *The International Journal of Project and Business Risk Management*, Vol. 1, Issue 4, pp. 359-371.
- 24a. **Ahmed, Syed M.** & Kangari, R. (1995). "Analysis of Client-Satisfaction Factors in Construction Industry," *Journal of Management in Engineering*, ASCE, 11(2), pp. 36-44.
- 24b. **Ahmed, Syed M.** & Kangari, R. (1996). "Closure – Analysis of Client-Satisfaction Factors in Construction Industry," *Journal of Management in Engineering*, ASCE, 12(3), pp. 57.

Refereed Conference Proceedings

AT FIU

1. Forbes, L.H. & **Ahmed, Syed M.** (2005). "Proposal of a New Paradigm for Construction Management Education and Industrial Engineering Collaboration," *Proceedings of the 3rd International Conference on Construction in the 21st Century (CITC-III)*, (on CD Rom) September 15-17, Athens, Greece.
2. Okamura, P., Sullivan K., Kashiwagi, D., Kashiwagi, M. & **Ahmed, Syed M.** (2005). "The Facility Manager Information Worker of the Future," *Proceedings of the 3rd International Conference on Construction in the 21st Century (CITC-III)*, (on CD Rom) September 15-17, Athens, Greece.
3. Murphy, P., Kovel, J., Kashiwagi, D., Sullivan, K., Kashiwagi, M. & **Ahmed, Syed M.** (2005). "Leadership Required to Change the Culture of Construction," *Proceedings of the 3rd International Conference on Construction in the 21st Century (CITC-III)*, (on CD Rom) September 15-17, Athens, Greece.
4. **Ahmed, Syed M.**, Zheng J., Ahmad, I., & Caballero, A. (2005) "An Analysis of Masters Curricula in Construction Management Programs in the USA," *Proceedings of the 3rd Latin American and Caribbean Conference for Engineering and Technology* (on CD Rom), June 8-10, Cartagena, Colombia.
5. **Ahmed, Syed M.**, Mao, W., Pandit, A. & Zheng, J. (2005). "A Comparative Analysis of Financial Statement of General Contractors," *ASC Proceedings of the 41st Annual Conference*, University of Cincinnati, Cincinnati, Ohio, April 6-9. CD-Rom Edition.
6. **Ahmed, Syed M.**, & Azhar, S. (2004). "Application of Analytic Hierarchy Process (AHP) to Evaluate Tenders in Construction Projects," Accepted for Presentation and Publication in the *3rd Scientific Conference on Project Management (PM-03)*, Thessaloniki, Greece, September 24-25, pp. 280-287.

7. **Ahmed, Syed M.**, Zheng, X.M., and Azhar, S. (2004). "A Simulation Analysis of Bullwhip Effect" in Construction Supply Chains," Accepted for Presentation and Publication in the *3rd Scientific Conference on Project Management (PM-03)*, Thessaloniki, Greece, September 24-25, pp. 323-330.
8. **Ahmed, Syed M.**, and Azhar, S. (2004). "Risk Management in the Florida Construction Industry," Proceedings of the *2nd Latin American and Caribbean Conference for Engineering and Technology* (on CD Rom), June 2-4, Miami, Florida.
9. Forbes, L.H. & **Ahmed, Syed M.** (2004). "Adapting Lean Construction Methods for Developing Nations," Proceedings of the *2nd Latin American and Caribbean Conference for Engineering & Technology* (on CD Rom) June 2-4, Miami, Florida.
10. **Ahmed, Syed M.**, Forbes, L.H. & Hensley, K. J. (2004). "Project Management Best Practices – Applicability of US Standards in the Caribbean Basin Countries," Proceedings of the *2nd Latin American and Caribbean Conference for Engineering and Technology* (on CD Rom), June 2-4, Miami, Florida.
11. Zheng D.X. & **Ahmed, Syed M.** (2003). "Using Adaptive Genetic Algorithms for Construction Time-Cost Optimization," *Proceedings of the 2nd International Conference on Construction in the 21st Century (CITC-II)*, Hong Kong, December 10-12, pp. 566-572.
12. Aoieong, R. T., Tang, S. L. & **Ahmed, Syed M.** (2003). "Process Cost Model for Construction Quality Measurement: Feedback and case Study," *Proceedings of the 2nd International Conference on Construction in the 21st Century (CITC-II)*, Hong Kong, December 10-12, pp. 56-61.
13. Forbes, L.H., **Ahmed, Syed M.**, Hocaoglu, M. and Azhar, S. (2003). "Productivity Management, Improvement & Cost Reduction," *Proceedings of the 2nd International Conference on Structural Engineering & Construction (ISEC '02)*, System-based Vision for Strategic and Creative Design, in Rome, Italy September 23-26, 2003, A. A. Balkema Publishers, Vol. 1 pp. 283-288.
14. Barcala, M., **Ahmed, Syed M.**, Cabalero, A. & Azhar, S. (2003). "The 4D CAD: A Powerful Tool to Visualize the Future," *Proceedings of the 2nd International Conference on Structural Engineering & Construction (ISEC '02)*, System-based Vision for Strategic and Creative Design, in Rome, Italy September 23-26, 2003, A. A. Balkema Publishers, Vol. 3 pp. 1979-1982.
15. **Ahmed, Syed M.**, Ahmad, I., Azhar, S., Mallikarjuna, S. & Kappagantula, P. (2003). "Implementation of Enterprise Resource Planning (ERP) Systems in the Construction Industry – A Study Extended," *Proceedings of the Third International Conference on Information Systems in Engineering and Construction (ISEC-03)*, Cocoa Beach, Florida, June 12-13 (on CD Rom).
16. **Ahmed, Syed M.**, Azhar, S., Kappagantula, P. & Gollapudi, D. (2003). "Delays in Construction: A Brief Study of the Florida Construction Industry," *ASC Proceedings of the 39th Annual Conference*, Clemson University, Clemson, South Carolina, April 10-12, pp. 257-266.

17. Ahmad, I., **Ahmed, Syed M.**, Koolawong, A., and Azhar, S. (2003). "Safety and Economy of Shoring/Reshoring Schemes in Construction of Multistory Concrete Buildings," *Proceedings of the ASCE Construction Research Congress (on CD ROM)*, Honolulu, Hawaii, March 19-21, 2003.
18. Forbes, L. H. & **Ahmed, Syed M.** (2003). "Construction Integration and Innovation through Lean Methods and E-Business Applications," *Proceedings of the ASCE Construction Research Congress (on CD ROM)*, Honolulu, Hawaii, March 19-21, 2003.
19. **Ahmed, Syed M.**, Ahmad, I., Azhar, S., & Mallikarjuna, S. (2003). "Implementation of Enterprise Resource Planning (ERP) Systems in the Construction Industry," *Proceedings of the ASCE Construction Research Congress (on CD ROM)*, Honolulu, Hawaii, March 19-21, 2003.
20. Ahmad, I., **Ahmed, Syed M.** & Azhar, S. (2002). "Construction Infrastructure Facilities in Developing Countries: A Bangladesh Case Study," *Proceedings of the 1st CIB-W107 International Conference: Creating a Sustainable Construction Industry in Developing Countries: (Eds. Division of Building Technology, CSIR)*, Stellenbosch, South Africa, 11-13 November, pp. 239-246.
21. Forbes, L.H., **Ahmed, Syed M.** & Barcala, M. (2002). "Adapting Lean Construction Theory for Practical Application in Developing Countries," *Proceedings of the 1st CIB W107 International Conference: Creating a Sustainable Construction Industry in Developing Countries (Eds. Division of Building Technology, CSIR)*, Stellenbosch, South Africa, 11-13 November, pp. 219-227.
22. Caballero, A. C., **Ahmed, Syed M.**, Barcala, M. & Azhar, S. (2002). "Development of an Information Model to Enhance Integration and Coordination in Construction Projects," *19th International Symposium on Automation & Robotics in Construction (ISARC 2002)*, Washington, D.C. September 22-25, pp. 123-128.
23. Azhar, S., **Ahmed, Syed M.** & Caballero, A. (2002). "Development of an Integrated Cost Estimation & Cost Control System for Construction Projects," *19th International Symposium on Automation & Robotics in Construction (ISARC 2002)*, Washington, D.C. September 22-25, pp. 129-134.
24. **Ahmed, Syed M.**, Tang, P., Azhar, S. & Ahmad, I. (2002). "An Evaluation of Safety Measures in the Hong Kong Construction Industry Based on Total Quality Management Principles," *CIB-W65/W55 10th International Symposium Construction Innovation and Global Competitiveness*, Cincinnati, Ohio, USA, 6-10, September, pp. 1214-1227.
25. Ahmad, I., Azhar, S. and **Ahmed, Syed M.** (2002). "Web-based Construction Project Management: Scope, Potential and Trends," *CIB-W65/W55 10th International Symposium Construction Innovation and Global Competitiveness*, Cincinnati, Ohio, USA, 6-10, September 2002, pp. 599-610.
26. Dye, J. M. & **Ahmed, Syed M.** (2002). "Employment Trends: Women in Construction," *First International Conference on Construction in the 21st Century: Challenges and Opportunities in Management and Technology (CITC 2002)*, Miami, Florida USA, April 25-26, 475-481.

27. Forbes, L. H. & **Ahmed, Syed M.**, & Barboza, O. A. (2001). "Project Performance Best Practices – Applicability of US Standards in Developing Countries in the Caribbean Basin," Proceedings of the *Third International Conference on Construction Project Management (3ICCPM) – From Fragmentation to Integration*, Singapore, 29-30 March, pp. 81-90.
28. **Ahmed, Syed M.**, Forbes L. H. & Leung, L. C. (2001). "Improving Construction Risk Management Through Safety Best Practices – A Hong Kong Study," Proceedings of the *Third International Conference on Construction Project Management (3ICCPM) – From Fragmentation to Integration*, Singapore, 29-30 March, pp. 220-228.
29. **Ahmed, Syed M.**, Ahmad, I., Chan, K.H., Tang, W.W., & Hui, C.S. (2001). "An Objective Analysis of Contract-Type Selection in the Hong Kong Construction Industry," Proceedings of the *Third International Conference on Construction Project Management (3ICCPM) – From Fragmentation to Integration*, Singapore, 29-30 March, pp. 356-365.
30. Ahmad, I. & **Ahmed, Syed M.** (2001). "Integration in the Construction Industry: Information Technology (IT) as the Driving Force," Proceedings of the *Third International Conference on Construction Project Management (3ICCPM) – From Fragmentation to Integration*, Singapore, March 29-30, pp. 429-434.
31. **Ahmed, Syed M.**, Lee, K. F. & De Saram, D. D., (2000). "Project Management Software Selection Criteria in the Hong Kong Construction Industry," Li Heng, Shen Qi Ping, Scott, David and Love, Peter E. D., eds., Proceedings of the *International Conference on Construction Information Technology (INCITE) 2000*, Hong Kong, January 17-18, pp. 604-615.

At Hong Kong Polytechnic University (PolyU)

32. Tang, S.L., Li, Y. S. & **Ahmed, Syed M.** (1999). "Management Projects in the Teaching of M.Eng. Degree Course in Civil Engineering," Proceedings of the *2nd Asia-Pacific Forum on Engineering and Technology Education*, The University of Sydney, Australia, July 4-7, pp. 189-191.
33. De Saram D. D., Li, H. & **Ahmed, Syed M.** (1999). "Information Technology Expectation Gap: Hong Kong Construction Industry Needs vs. Academic Preparation," Keynote Address - Proceedings of the *2nd Asia-Pacific Forum on Engineering and Technology Education*, The University of Sydney, Australia, July 4-7, pp. 69-74.
34. **Ahmed, Syed M.**, Tang, S. L., Lai, T. C. & De Saram, D.D. (1999). "Effects of Crash Programming on Construction Projects," Proceedings of the *Mainland and Hong Kong Conference on the Management Systems of the Engineering and Construction Industry and Urban-Rural Planning*, Beijing, China April 14-16, pp. 433-436.
35. **Ahmed, Syed M.**, Tam, L. F & De Saram, D. D. (1999). "An Evaluation of the Performance of ISO 9000 Based Quality Assurance Systems Implemented by the Hong Kong Construction

Contractors," Proceedings of the 4th *International Conference on ISO 9000 and TQM (4th ICIT)*, Hong Kong Baptist University Conference Centre, Hong Kong, April 7-9, pp. 661-666.

36. **Ahmed, Syed M.**, Tang, S. L. & Kit, P. T. (1999). "Problems of Implementing Safety Programmes on Construction Sites and Some Possible Solutions (Hong Kong Experience)," Proceedings of the 2nd *CIB International Conference on Safety and Health on Construction Sites* Honolulu, Hawaii, USA, March 22-27, pp. 525-529.
37. **Ahmed, Syed M.**, Fai, T. L. & De Saram, D. D. (1999). "An Evaluation of the Performance of ISO 9000 Based Quality Assurance Systems Implemented by the Hong Kong Construction Contractors.
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Government Reports or Monographs

1. Alvarez, R., Dye, J. M., **Ahmed, Syed M.**, Farmer, E., et al. (2003) "*Requirements for the Installation of Manufactured/Mobile Homes in Florida*," Final report submitted to the Department of Community Affairs (DCA), State of Florida.
2. **Ahmed, Syed M.** (2002) "*Construction Delays in Florida: An Empirical Study*," Final Report Submitted to the Department of Community Affairs (DCA), State of Florida.
3. **Ahmed, Syed M.** (2002) "*Measurement of Construction Processes for Continuous Improvement*," Final Report Submitted to the Building Construction Industry Advisory Council, Department of Education (DoE), State of Florida.
4. **Ahmed, Syed M.** (2002) "*Development of a Risk Management Model for Florida Contractors*," Final Report Submitted to the Building Construction Industry Advisory Council, Department of Education (DoE), State of Florida.
5. Anson, M., **Ahmed, Syed M.** et al. (1999) "*Research on the Ready Mixed Concrete Supply in Hong Kong with Respect to its Effects on the Flat Production of the Hong Kong Housing Authority*," Final Report submitted to the Hong Kong Housing Authority.

Book Reviews

1. Hitt, M.A., Miller C. C., Colella, A. (2005) *“Organizational Behavior: A Strategic Approach,”* John Wiley & Sons, Inc., ISBN: 0-471-35176-8.
2. Hinze, J. W. (2004) *“Construction Planning and Scheduling,”* 2nd Edition, Pearson Prentice Hall, ISBN: 0-13-092861-5.
3. Goetsch, D.L. and Davis S.B. (2004) *“Quality Management,”* 5th Edition, Prentice Hall, ISBN: 0-13-118929-8.
4. Hinze, J.W. (2003) *“Construction Safety,”* 2nd Edition, Prentice Hall, ISBN: 0-13-377912-2.

Research & Training Projects in Progress

1. “OSHA 30-Hour Training Program for Coastal Construction Company Employees”

Project Director: Dr. Syed M. Ahmed

Funding Agency: Coastal Construction Company, Miami Florida

Amount: \$30,000

Time Period: March 2005 – December 2005

2. “Set up PIPS/IMT Education & Research at FIU to Field Test and Implement PIPS/IMT at Baptist Health South Florida”

Principal Investigator (PI): Dr. Syed M. Ahmed

Amount: \$75,000

Time Period: January 2006 to December 2008

Funded Research

1. “Development of a Strategic Model for Improvement of Construction Project Management Education, Research and Practice in Pakistan”

Principal Investigators (PI): Dr. Syed M. Ahmed (USA) and Dr. Sarosh H. Lodi (Pakistan)

Amount: \$405,000.00 (\$130,000 US Side and \$275,000 Pakistan Side)

Awarded by the United States Agency for International Development (USAID) and the Higher Education Commission (HEC), Government of Pakistan.

Time Period: January 1, 2006– December 31, 2008

2. "A Need Assessment and Catalog of Best Practices for Emergency Management at Remote K12 Schools in Florida"

Principal Investigator (PI): Dr. Irtishad Ahmad
Co-PI: Mr. Ricardo Alvarez
Co-PI: Dr. Syed M. Ahmed
Amount: \$100,000.00
Awarded by the Florida Department of Education
Time Period: November 2004 - June 2005

3. "Requirements for the Installation of Manufactured/Mobile Homes in Florida"

Principal Investigator: John M. Dye
Co-PI: Dr. Syed M. Ahmed
Co-PI: Prof. Eugene Farmer
Amount: \$22,000
Awarded by the Florida Department of Community Affairs
Time Period - July 1, 2002 to June 30, 2003

4. "Construction Delays in Florida: An Empirical Study"

Principal Investigator: Dr. Syed M. Ahmed
Amount: \$22,000.00
Awarded by the Florida Department of Community Affairs
Time Period - December 10, 2001 to June 30, 2002

5. "Measurement of Construction Processes for Continuous Improvement"

Principal Investigator: Dr. Syed M. Ahmed
Amount: \$19,500.00
Awarded by the Florida Department of Education - Building Construction Industry Advisory Council
Time Period - September 1, 2000 to February 1, 2002

6. "Development of a Risk Management Model for Florida Contractors"

Principal Investigator: Dr. Syed M. Ahmed
Amount: \$19,700.00
Awarded by the Florida Department of Education - Building Construction Industry Advisory Council
Time Period - June 1, 2000 to November 1, 2001