

AMERICAN UNIVERSITY OF SHARJAH

DEPARTMENT OF DESIGN SCHOOL OF ARCHITECTURE AND DESIGN MASOOD MEHMOOD KHAN

Teaching Area Multimedia Design

Education B. S.(Industrial), B.E.(Mechanical), M.S.M.E.(Colorado), Ph.D.(Huddersfield), P.E.

Teaching Experience Teaching Assistant, Colorado State University, CO. 1990-91
Lecturer BBCI-FAST Institute of Computer Science, Pakistan 1991-93
Senior Lecturer, S.S.R. Technical College, Brunei, 1993-96
Senior Lecturer, J.B. College of Engineering, Brunei, 1996-99
Instructor, SA+D, American University of Sharjah, 1999-todate

Administrative Experience Head of Computer Studies Department, J.B. College of Engineering, Brunei Darussalam, 1997-99

Professional Experience Technical officer, MIMA, Karachi, Pakistan, 1979-81
Service Engineer, Allied (Ford) Tractors Ltd., Pakistan, 1984-87
Energy Specialist, Techno-consult (P) ltd., Pakistan, 1987-89

Memberships (1) Pakistan Engineering Council (2) Pakistan Engineers Forum,
(3) British Computer Society (4) UNESCO ICEE
(5) ASHRAE, USA

Academic and Professional Awards Government of Pakistan Technical Education Scholarship, 1977-78
Government of Pakistan Higher Education Scholarship to pursue Master's education in the US, 1989-91

Publications Articles in peer-reviewed Journals Authored

- Khan, M.M., Ingleby, M., and Ward, R.D., (2006) "Automated facial expression classification and affect interpretation using infrared measurement of facial skin temperature variation," ACM Transactions on Autonomous and Adaptive Systems, Vol. 1, No. 1, pp. 91-113, ISSN: 1556-4665.
- Khan, M.M., Ward, R.D., and Ingleby, M., (to appear) "Classifying pretended and evoked facial expression of positive and negative affective states using infrared measurement of skin temperature," ACM Transactions on Applied Perception, ACM Press, NY, ISSN: 1544-3558.
- Khan, M.M. (2002) "Implementing an intelligent tutoring system for adventure learning," The Electronic Library Journal, Vol. 20, No. 2, 2002, London, ISSN 0264-0473.
- Khan, M.M. and Willson, B. D. (1998) "Options for Transport Energy Conservation in Pakistan," International Journal of Global Energy Issues, Vol. 10, Nos. 2-4, pp. 124-132, London, ISSN 0954-7118.
- Khan, M. M. and Willson, B. D. (1996) "Scope for Industrial Energy Conservation in Pakistan," International Journal of Global Energy Issues, Vol. 8, Nos. 5/6, pp. 492-505, London, ISSN 0954-7118.

- Khan, M. M. (1995), "A Diagnostic Expert System for Troubleshooting Hydraulic Systems," International Journal of Computer Applications in Technology, Vol. 8, Nos. 1/2, pp. 116-120, London, ISSN 0952-8091.

Research Conference papers (Complete list of 20 published conference papers is included in the CV)

1. Khan, M.M., Ward, R.D., and Ingleby, M. (accepted, to appear in July 2007) "Automated Classification of Affective States using Facial Thermal Features," in Singh, S., Singh, M. (Eds.), Advances in Pattern Recognition, to be published in July 2007, London: Springer.
2. Khan, M.M., Ward, R.D., and Ingleby, M. (2006) "Infrared thermal sensing of positive and negative facial expressions," in the proceedings of the IEEE 2006 Conference on Robotics, Automation and Mechatronics, Bangkok, Thailand, June 2006, pp. 406-411, ISBN: 1-4244-0025-2.
3. Khan, M.M., Ward, R.D. and Ingleby M., (2005) "Distinguishing facial expressions by thermal imaging using facial thermal feature points," in the proceedings of HCI 2005: 19th British HCI group Annual Conference, pp. 10-14, September 2005, Edinburgh, ISBN 1-902505-69-7.
4. Khan, M.M., Ward, R.D. and Ingleby M., (2004) "Automated classification and recognition of facial expressions," in the proceedings of the IEEE 2004 Conference on Cybernetics and Intelligent Systems, pp. 202-206, 1-3 December 2004, Singapore, ISBN 0-7803-8644-2.
5. Khan, M.M. (2004) "Bayesian Formalism for Implementing Adaptive Adventure Games," in the proceedings of 3rd International Conference on Application and Development of Computer Games in the 21st Century, pp. 74-78, 26-27 April 2004, Hong Kong, HKSAR, ISBN 962-442-250-8
6. Khan, M.M. and Ward, R. D. (2003) "Automatic Scenario Generation in adventure games," in the proceedings of the Second International Conference on Application and Development of Computer Games in the 21st Century, pp. 161-165, 6-7 January 2003, Hong Kong, HKSAR, ISBN 962-442-231-1.
7. Khan, M.M. (2001) "Game Player Modeling for Strategy Games," in the proceedings of the International Conference on Application and Development of Computer Games in the 21st Century, pp. 112-118, 22 - 23 November, HKSAR, ISBN 962-442-199-4.
8. Khan, M.M. (2001) "Utilizing a game environment to implement domain-specific intelligent tutoring systems" in the proceedings of the 5th Baltic Region Seminar on Engineering Education, pp. 159-162, Gdynia, Poland, ISBN 0-7363-2188-7.

Service

Chair, Learning Assessment Group, AUS self study for Middle States Accreditation, 2006-07, 2007-08
 Member, National Curriculum Committee for Computer Studies, Ministry of Education, Government of Brunei Darussalam, 1997-99
 Member Faculty Senate, American University of Sharjah, 1999-2000
 Member, Program Committee, International Conference on Application and Development of Computer Games, Hong Kong, 2003-05
 Chair, University Sabbatical Leave Committee, American University of Sharjah, 2005-07
 Member of Program Committee and reviewer 2005 IEEE International Conference on Mechatronics and Automation, Ontario, Canada, 2005
 Member, Institutional Review Board, American University of Sharjah, 2005-06
 Member, Program Committee and reviewer, IEEE 2006 International Conference on Cybernetics and Intelligent Systems, Bangkok, 2006
 Reviewer, IEEE Transactions on Man Machine and Cybernetics, Part B, 2007
 Member, Department of Design Curriculum Committee, American University of Sharjah, 2005-07

Registration

Licensed Professional Engineer