

Sidra Batool Kazmi

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JOB INTERESTS

R&D; Academia; IT-Product Design, Analysis and Promotion; IT-Business Development and Technical Writing.

CURRENT RESEARCH INTERESTS

Computer Vision, Bio-Metrics Testing, Mobile Computing, Computer Networks (Wireless & Sensor), Emotionally Intelligent Smart Phone Applications, Bio-Inspired Computing, Auto-Emotion Recognition, Medical Image Processing and Human Computer Interaction.

WORK

Lecturer, Institute of Information Technology, Quaid.i.Azam University, Islamabad, Pakistan.
September 2010 – Present

EDUCATION

2008-2009 **NATIONAL UNIVERSITY OF COMPUTER & EMERGING SCIENCES (NUCES-FAST) Islamabad**
DEPARTMENT OF COMPUTER SCIENCE
Fall '08-Fall '09, Masters of Science in Computer Science, (MS-CS).

2004-2008 **NATIONAL UNIVERSITY OF COMPUTER & EMERGING SCIENCES (NUCES-FAST) Islamabad**
DEPARTMENT OF COMPUTER SCIENCE
Fall '04-Spring '08, Bachelors of Science in Computer Science, (BS-CS).

PROJECTS

- **Multiple Instruction Issue Processor Simulator** in VC 6.0 as Adv.Computer Architecture's Project.
- **Graph Crossings Minimization using Genetic Algorithms** in C# .Net as Adv.Algorithm Analysis Course Project.
- **Evolving Fuzzy Membership Functions using Genetic Algorithms** in C# .Net as Computational Intelligence Course Project.
- **Hospital Information Management System** in .Net C#, SQL and Oracle as DBMS Project.
- **Library Management System** in VC 6.0 as our OOP project.
- **Game (snake)** in Assembly (masm32) as our Assembly project.
- **Overseas Scholarships Information Management System** for HEC as our S.E. project, Developed in C# .Net, MS-Access.
- **Burglar Alarm System** as our Digital logic Design's project.
- **Mobile Communication Simulation System.** It included process & thread creation, scheduling, synchronization & termination in **G++ on the Linux platform** as our C.Comm Project.
- **Research and Simulation of MPLS**, This project demonstrates communication between towers and mobiles through simulated MPLS network.

PUBLICATIONS

- **Sidra Batool Kazmi, Qurat-ul-Ain, M. Arfan Jaffar," Wavelets Based Facial Expression Recognition Using a Bank of Support Vector Machines"**, In [SC-SI] Bio-inspired computing for Hybrid Information Technology Journal, Impact Factor 1.328, 2011.
- **Sidra Batool Kazmi, Qurat-ul-Ain, M. Arfan Jaffar, "Texture Analysis Based Facial Expression Recognition Using a Bank of Bayesian Classifiers"**, in proceedings of IEEE indexed International Conference on Information and Emerging Technologies, Karachi, June 2010.(Published)

- **Sidra Batool Kazmi**, Qurat-ul-Ain, M. Arfan Jaffar, *“Wavelets Based Facial Expression Recognition Using a Bank of Neural Networks”*, in proceedings of IEEE Indexed FutureTech Conference, Busan (Korea), May 2010. (Published, Also Recommended for Journal Publication in SC-SI).
- Qurat-ul-Ain, Ghazanfer Latif, **Sidra Batool Kazmi**, M.Arfan Jaffar, Anwar M.Mirza, *“Classification and Segmentation of Brain Tumor using Texture Analysis”*, In proceedings of ACM Indexed WSEAS conference, University of Cambridge, UK, 22-23 February, 2010. (Published.)
- Farooqi, A.H. Qurat-ul-Ain **Kazmi, S.B.** Khan, F.A. *“Performance analysis of peer-to-peer overlay architectures for Mobile Ad hoc Networks”*, in Proceedings of IEEE Indexed 5th International Conference on Emerging Technologies, October 2009. (Published.)
- **Sidra Batool Kazmi**, Qurat-ul-Ain, Bushra Sikander, *“A survey of Branch Prediction Methodologies”* in Proceedings of Fast Annual Graduate Workshop, April 2009. (Published.)
- Tayyaba Azim, **Sidra Batool Kazmi**, M. Arfan Jaffar, *“Automatic Fatigue Detection of Drivers through Pupil Detection and Yawning”* in Proceedings of Fast Annual Graduate Workshop, March 2010. (Published.)
- Qurat-ul-Ain, **Sidra Batool Kazmi** and M. Arfan Jaffar, *“An automated System for Brain Tumor Detection from MR Images”*, Poster in MedInfo, by IMCC international council on medical & care compunetics, Year 2010, Pg.1447. (Published.)
- **Sidra Batool Kazmi**, Qurat-ul-Ain, *“Power Aware Compilation –A Survey”*. (Submitted)

BS PROJECT Research and Simulation of IP/MPLS, This project demonstrates communication between towers and mobiles through simulated MPLS network. In NS and Linux/g++, May 2008. (6 Credits).

MS THESIS Evaluation of Texture Analysis Methods for Automatic Recognition of Facial Expressions, (Jan, 2010).

CERTIFICATIONS

Microsoft Certified Professional, 2000.

MCSE Training, 2000, Nikon.

CCNA Training, 2001, Comsats.

ICND Certification, 2001, Cisco.

IELTS 6.5 Band, 2003, British Council.

TECHNICAL SKILLS

C# .Net, VC++, SQL, Socket Programming, x86 Assembly, MATLAB, Oracle/Access, Microsoft Visio, UML, Erwin.

OTHER S SKILLS Event/Stage Management, Dramatics, Debates and Photography.