

## Curriculum Vitae

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<b>Date of birth</b>	1 <sup>st</sup> January 1973

## Education

Date	2003-2008
Title of Qualification	<b>PhD Computer Science</b>
Name of University	University of Innsbruck, Austria
Dates	1995-1997
Title of qualification awarded	<b>M.Sc. Computer Science</b>
Name of University	Dept. of Computer Science, University of Peshawar, Pakistan

## Professional Experience

Institute of Management Sciences, Peshawar, Pakistan Department of Computer Science	<b>Head of Department</b> Department of Computer Science June 2008- to date
	<b>Study Leave</b> Nov 2003- June 2008
	<b>Lecturer</b> June 2000- Nov 2003
Alkhair University Peshawar, Pakistan	<b>Lecturer in Computer Science</b> March 1999- Dec 1999

### PUBLICATIONS/CONFERENCE PROCEEDINGS

- Ahmad Hassan Afridi , Muhammad Ali, “ Fault tolerant Context Aware Mobile Computing” , International Conference on Future Computer and Communication, ISBN Number (978-1-4244-3754-2) , Kuala Lumpur, Malaysia, 3-5 April 2009
- Muhammad Ali, Awais Adnan , “Comparative Analysis of transient-fault tolerant schemes for Network on Chips” , International Conference on Computer, Electrical and System Sciences and Engineering, WASET 2008, Heidelberg, Germany, September 24-26, 2008.
- Muhammad Ali, Awais Adnan, Amir Hanif Dar, “ Image Search by Features of Sorted Grey level Histogram Polynomial Curve”, Proceedings Of World Academy Of Science, Engineering And Technology, Volume 21, ISSN 1307-6884, May 2007, May 2007.
- Muhammad Ali, Michael Welzl, Sybille Hellebrand, "A Fault Tolerant Mechanism for handling Permanent and Transient Failures in a Network on Chip" Proceedings of the 4th International Conference on Information Technology : New Generations (IEEE ITNG 2007), Las Vegas, USA, 2-4 April 2007.
- Muhammad Ali, Awais Adnan, Michael Welzl, "Design of a fast and low-level fault-tolerant protocol for network on chips", Proceedings of the IEEE International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (IEEE CISSE 2006), online conference, 4-14 December 2006.
- Farrukh Nadeem, Muhammad Murtaza Yousaf , Muhammad Ali, " Grid Performance Prediction: Requirements, Framework, and Models” , ", Proceedings of IEEE International Conference on Emerging Technologies (IEEE ICET 2006), Peshawar, Pakistan, 13-14 November 2006
- Muhammad Ali, Michael Welzl, Awais Adnan, Farrukh Nadeem, "Using the ns-2 network simulator for evaluating network on chips", Proceedings of IEEE International Conference on Emerging Technologies (IEEE ICET 2006), Peshawar, Pakistan, 13-14 November 2006.
- Michael Welzl, Muhammad Ali: "Teaching Routing with IRV-Tool", Proceedings of the International Conference on Interactive Computer Aided Learning (ICL 2006), 26-28 September 2006, Villach, Austria.
- Michael Welzl, Muhammad Ali, Sven Hessler: "Network Simulation By Mouse (NSBM): A GUI Approach for Teaching Computer Networks with the NS-2 Simulator", Proceedings of the International Conference on Interactive Computer Aided Learning (ICL 20 06), 26-28 September 2006, Villach, Austria.
- Muhammad Ali, Michael Welzl, Martin Zwicknagl: "Networks on Chips: Scalable Interconnects for Future Systems on Chips", Proceedings of the 3rd IEEE International Conference on Circuits and Systems for Communications (ICCSC'06), 6-7 July 2006, Bucharest, Romania.
- Muhammad Ali, Michael Welzl, Martin Zwicknagl, Sybille Hellebrand: "Considerations for Fault-tolerant Networks on Chips", Proceedings of IEEE ICM'05, Islamabad, Pakistan, 13-15 December 2005.

## SHORT PAPERS /POSTERS

- Muhammad Ali, Michael Welzl, Sybille Hellebrand, "A dynamic routing mechanism for network on chip", Proceedings of IEEE NORCHIP, Oulu, Finland, 21-22 November 2005
- Muhammad Ali, Michael Welzl, Sybille Hellebrand: "Dynamic Routing: A prerequisite for reliable NoCs", 17. Workshop Testmethoden und Zuverlässigkeit von Schaltungen und Systemen, Innsbruck, Austria, 27 February - 1 March, 2005.

## REFERENCES

1. Dr. naseer ali Khan  
Director IM|Sciences Hayatabad Peshawar
2. Sybille Hellebrand, University of Paderborn, Germany [Sybille.hellebrand@uni-paderborn.de](mailto:Sybille.hellebrand@uni-paderborn.de)
3. Michael Welzl, University of Innsbruck, Austria [Michael.welzl@uibk.ac.at](mailto:Michael.welzl@uibk.ac.at)