



Muhammad Murtaza Yousaf

Education

2004-2008. Department of Computer Science, University of Innsbruck, Austria

- Ph.D. in Computer Science (Best Grades – sehr gut)

2003-2004 PUCIT, University of the Punjab, Lahore

- M. Phil. in Computer Science (Just course work done)

1999-2001 Department of Computer Science, University of the Punjab, Lahore

- Masters in Computer Science (O.P.M. 83.00 %)
- 1st Position in the University

1998-1999 Department of Computer Science, University of the Punjab, Lahore

- Post Graduate Diploma in Computer Science (O.P.M. 84.57 %)
- 1st Position in the University

1997-1998 Department of Statistics, University of the Punjab, Lahore

- Masters in Statistics (Part I)(79.33%)
- 1st Position in the University

1994-1996 Govt. Islamia College Civil Lines, Lahore

- B.Sc. (Mathematics A&B, Statistics)
- 1st Position in the College

Professional Certifications and Courses

July 03, 2001 Sun Microsystems

- Sun Certified Java Programmer (SCJP)
- 93.00 %

Feb-May, 01 Punjab Information and Technology Board, Lahore

- JAVA Certification Program

Oct, 2001 Punjab Information and Technology Board, Lahore

- Microsoft Mastering Series Course on Visual Basic
- Faculty Refresher Series

Research Interests

Broadly my area of research is “Network Support for Grid Computing” where the goal is to extract network related properties by using network measurements. The primary purpose of my work is to assist a Grid scheduler and let it consider network resources while making any decisions which is mainly ignored in the state of art Grid schedulers.

**Research
Publications**

- Muhammad Murtaza Yousaf, Javeria Iqbal, Michael Welzl, "A Network Topology Mapping Tool For The Grid", **accepted in** 7th ACM Frontiers of Information Technology conference (FIT 2009)
- Javeria Iqbal, Muhammad Murtaza Yousaf, Awais, "A Scalable Approach of Message Interpretation by Demonstrations for Multi-Robot Communication", accepted in 13th IEEE International Multi-topic Conference (INMIC 2009)
- Javeria Iqbal, Muhammad Murtaza Yousaf, "Hash Table Based Feed Forward Neural Networks: A Scalable Approach towards Think Aloud Imitation", 5th IEEE International Conference on Emerging Technologies (ICET 2009)
- Sanam, Asma, Rohma, Hasan, Muhammad Murtaza Yousaf, "Analytical Review of State-of-the-Art Patent File Transfer Methods", accepted in 13th IEEE International Multi-topic Conference (INMIC 2009)
- Muhammad Murtaza Yousaf, Michael Welzl, Bülent Yener: "On the Accurate Identification of Network Paths having a Common Bottleneck", poster, ACM SIGCOMM 2008, 17-22 August, Seattle, USA.
- Muhammad Murtaza Yousaf, Michael Welzl, Malik Muhammad Junaid: "Fog in the Network Weather Service: A case for novel Approaches", MetroGrid workshop, co-located with GridNets 2007, Lyon, France, 19 October 2007.
- Farrukh Nadeem, Muhammad Murtaza Yousaf, Radu Prodan, Thomas Fahringer. Soft Benchmarks-based Application Performance Prediction using a Minimum Training Set, 2nd IEEE International Conference on e-Science and Grid Computing (e-Science 2006), (C) IEEE Computer Society Press, December 2006, Amsterdam, The Netherlands.
- Michael Welzl, Muhammad Murtaza Yousaf and Alex Villazon: "On The Need For Autonomic Connection Management To Speed Up WSRF-Enabled Web Service Calls", in Proceedings of 2nd IEEE/IFIP International Workshop on Autonomic Grid Networking and Management (AGNM'06), Dublin, Ireland, 26-27 October 2006.
- Michael Welzl, Muhammad Murtaza Yousaf: "Grid-Specific Network Enhancements: A Research Gap?", IEEE/IFIP International Workshop on Autonomic Grid Networking and Management (AGNM'05), Barcelona, Spain, 28 October 2005.
- Muhammad Murtaza Yousaf, Michael Welzl: "A Reliable Network Measurement and Prediction Architecture for Grid Scheduling", IEEE/IFIP International Workshop on Autonomic Grid Networking and Management (AGNM'05), Barcelona, Spain, 28 October 2005.
- M. Idrees, M. M. Yousaf, S. W. Jaffry, M. A. Pasha, S. A. Hussain: "Enhancements in AODV Routing Using Mobility Aware Agents " ,IEEE International Conference on Emerging Technologies, 17-18 September 2005, CASE Islamabad, Pakistan, ICET 05.

**Standards
Contribution**

- Eric He (editor), Pascale Vicat-Blanc Primet (editor), Michael Welzl (editor), Mathieu Goutelle, Yunhong Gu, Sanjay Hegde, Rajikumar Kettimuthu, Jason Leigh, Chaoyue Xiong, Muhammad Murtaza Yousaf: "A Survey of Transport Protocols other than Standard TCP", Global Grid Forum Document GFD.55, Data Transport Research Group, 23 November 2005.
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Experience

Jan 2009 – to date Punjab University College Of Information Technology (PUCIT)
University of the Punjab, Lahore

Assistant Professor

- Currently teaching the subjects of Computer Networks and Advance Operating Systems
- Guiding MS students for their research work

June 2002 - Oct 2004 Punjab University College Of Information Technology (PUCIT)
University of the Punjab, Lahore

Lecturer

- Teaching the subjects of Data Structures & Algorithms, Automata Theory to the MSc- Afternoon and MSc-Morning Sections.
- Designed the course outline for the above-divulged subjects.
- Working in the program structure development committee.

Feb 2002 – June 2002 Institute of Business Administration (IBA)
University of the Punjab, Lahore

Lecturer

- Taught the subjects of Database Management System and Computer Applications to the students of MBA and PG-Dip.

Mar 2002 – May 2002 Punjnad College of Business & Informatics, Lahore

Lecturer

- Taught the subject of MS SQL Server 7.0 to the students of PG-Dip

Nov 1999 – Dec 2001 Punjab Computer College (AIOU), Garhi Shahu, Lahore

Lecturer

- Taught the course of C++, Data Structures, Automata Theory, Compiler Construction and Visual Basic 6.0 to the BCS and DCS students.
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