Muneera Bano

Assistant Professor
Department of Computer Science and Software Engineering
Faculty of Basic and Applied Sciences
muneera@iiu.edu.pk

(On Study Leave)

Experience

[April 2012 – October 2012] and [May 2013 – October 2013]

Honorary Researcher at University of Technology, Sydney Australia

[2008 till date] International Islamic University, Islamabad

Assistant Professor, Department of Computer Science/Software Engineering
- Taught Service Oriented Software Engineering, Research Methods, Network Security, Computer Communication and Networking, Data Communications, Web Application Development, Introduction to Computing and supervised various undergraduate projects and post graduate theses.

[2006 - 2008] International Islamic University, Islamabad

Lecturer, Department of Computer Science
- Taught System Programming, Digital Signal Processing, Compiler Construction, Web Programming, Data Communication, and Introduction to Computing and supervised various undergraduate projects.

[2004 - 2006] International Islamic University, Islamabad

Research Associate, Department of Computer Science
Taught the Computing Fundamentals, System Programming, Compiler Construction and assisted with Post graduate courses of Advance Analysis of Algorithm and Compiler Construction.

Research Profile

Research Interest

- Requirements Engineering, Service Oriented Architecture, Service Oriented System Engineering, Knowledge Management, Systematic Literature Review, Empirical Software Engineering

Technical Reports

1. Muneera Bano, Salma Imtiaz, Naveed Ikram, Muhammad Usman, and Mahmood Niazi, "**Systematic Literature Review for Causes of Requirements Change**", Technical Report: TR/2010-01, ISSN: 1353:7776, School of Computing and Mathematics, Keele University, Keele, UK, 2010
2. Muneera Bano, Naveed Ikram, and Mahmood Niazi (2011), "**Knowledge Management in Service Oriented Requirements Engineering (KM – SORE)**", Keele technical Report (TR/2011-02), ISSN: 1353:7776, School of Computing and Mathematics, Keele University, Keele, UK.

Conference Papers

1. M. Bano and N. Ikram, "Issues and Challenges of Requirement Engineering in Service Oriented Software Development," in *Software Engineering Advances (ICSEA), 2010 Fifth International Conference on*, pp. 64-69, 2010.
2. M. Bano, N. Ikram, and M. Niazi, "Thesis proposal on Requirement Engineering Process for Service Oriented Software Development," in *Proceedings of the 11th International Conference on Product Focused Software*, pp. 84-87, 2010.
3. M. Bano and N. Ikram, "KM-SORE: Knowledge Management for Service Oriented Requirements Engineering," in *ICSEA 2011, The Sixth International Conference on Software Engineering Advances*, pp. 494-499, 2011.
4. H. Jabeen, M. ur Rehman, and M. Bano, "CROSS DOMAIN QoS MAPPING BETWEEN WMN AND FIXED TOPOLOGY FOR END-TO-END QoS GUARANTEE," PDCN IASTED Nov. 2010.

5. T. Ambreen, M. Usman, N. Ikram, and M. Bano, "Evidence in Requirements Engineering: A Systematic Literature Review Protocol," in *ICSEA 2011, The Sixth International Conference on Software Engineering Advances*, pp. 576-580, 2011.
6. Nadia Qureshi, Naveed Ikram, **Muneera Bano**, Muhammad Usman, "Empirical Evidence in Software Architecture: A Systematic Literature Review Protocol," in ICSEA 2011, Sixth International Conference on Software Engineering Advances, 2011, pp. 534-538.
7. Muneera Bano, Imtiaz, S., Ikram, N., Niazi, M., & Usman, M. (2012, May). Causes of requirement change-A systematic literature review. In 16th International Conference on Evaluation & Assessment in Software Engineering (EASE 2012), (pp. 22-31).
8. Muneera Bano, Didar Zowghi, "Service Oriented Requirements Engineering: Practitioner's Perspective" in Service-Oriented Computing-ICSOC 2012 Workshops, 2013, pp. 380-392.
9. Zile Huma, Naveed Ikram and Muneera Bano "Software Process Improvement: A Systematic Literature Review" in 2012 15th International Multitopic Conference (INMIC), 2012, pp. 459-464.
10. Muneera Bano, Didar Zowghi, "User Involvement in software development and system success: A systematic literature review" in Proceedings of the 17th International Conference on Evaluation and Assessment in Software Engineering, 2013, pp. 125-130.
11. Salma Imtiaz, Muneera Bano, Naveed Ikram, Mahmood Niazi, "Experiences of SLR: Tertiary Study" in Proceedings of the 17th International Conference on Evaluation and Assessment in Software Engineering, 2013, pp. 177-182.
12. Muneera Bano, Didar Zowghi, "Users' involvement in requirements engineering and system success" proceedings of the International Workshop on Empirical Requirements Engineering, EmpiRE 2013, at International Conference of Requirements Engineering (RE), Rio de Janeiro, July 2013.
13. Muneera Bano, Didar Zowghi, Naveed Ikram "Alignment between Business Requirements and Services: the state of the practice" submitted and under review at International Conference on Software and System Engineering and their Applications (ICSSEA) France November 2013
14. Muneera Bano, Didar Zowghi, Naveed Ikram, "A Situational Method Engineering approach for Aligning Services and Requirements" submitted at ICSE 2014 in NIER track.
15. Muneera Bano, Didar Zowghi, Naveed Ikram "Systematic Reviews in Requirements Engineering: A Tertiary Study" submitted at EASE 2014.

Journal Papers
1. Mahmood Niazi, Naveed Ikram, Muneera Bano, Salama Imtiaz and Siffat Ullah Khan, "Establishing trust in offshore software outsourcing relationships: an exploratory study using a systematic literature review", IET Software 2013. (Impact factor 0.658)
2. Muneera Bano, Naveed Ikram, Mahmood Niazi, "Requirements Engineering Challenges in Service Oriented Software Engineering: an exploratory online survey" International Journal of Software Engineering (IJSE) 2013. (open access)
3. Muneera Bano, Didar Zowghi, Naveed Ikram, Mahmood Niazi, "What makes Service Oriented Requirements Engineering challenging? A qualitative study" Journal of IET Software 2013. (Impact factor 0.658)
4. Muneera Bano, Didar Zowghi, "Users' involvement and System Success: a Systematic Review" Journal of Information and Software Technology (IST) 2013. (impact factor 1.692)

Technical Committee Member
- Sixth International Conference of Software Engineering Advances (ICSEA), Barcelona Spain 23-29 October 2011 http://www.iaria.org/conferences2011/ComICSEA11.html
- Seventh International Conference of Software Engineering Advances (ICSEA), November 18-23, 2012 - Lisbon, Portugal http://www.iaria.org/conferences2012/ComICSEA12.html
- 15th International Multitopic Conference (INMIC), Islamabad Pakistan December 2012
- Member of Editorial board of International Journal of Advances in Software http://www.iariajournals.org/software/index.html
- Seventh International Conference of Software Engineering Advances (ICSEA) October 27, 2013 Venice Italy http://www.iaria.org/conferences2013/ComICSEA13.html
- APRES 2014 (www.apres2014.org)

Travel Grant
Two times I secured Travel Grant Fund from HEC to present my papers in
1. Fifth International Conference on Software Engineering Advances (ICSEA) 22-29 August 2010 in Nice, France
2. Sixth International Conference on Software Engineering Advances (ICSEA) 23-29 October 2011 in Barcelona, Spain

Two times given grants by UTS to present my papers in

1. International Conference on Service Oriented Computing (ICSOC 2012), November 2012 Shanghai China
2. International Conference on Requirements Engineering (RE 2013), July 2013, Rio de Janeiro Brazil

HEC Scholarship Scheme IRSIP

Selected for scholarship scheme from Higher Education Commission of Pakistan for International Research Support Initiative Program (IRSIP) in field of Engineering and Technology for six months visit to University of Technology Sydney Australia from April -2012 to October 2012 under supervision of Professor Dr. Didar Zowghi.

Educational Qualifications

Pursuing PhD Software Engineering (2012 – till date)
School of Software, Faculty of Engineering and IT
University of Technology Sydney, Australia
Muneera.Bano@uts.edu.au
Under supervision of: Professor Dr. Didar Zowghi
Director, Centre for Human-Centred Technology Design Research
Faculty of Engineering & Information Technology
University of Technology, Sydney (UTS), Australia
Phone: +61 (2) 9514 1860   Fax: +61 (2) 9514 4535   Email: Didar.Zowghi@uts.edu.au
Web: http://www-staff.it.uts.edu.au/~didar/

[2002 – 2004]

MS in Computer Science from International Islamic University Islamabad, Pakistan

[1999 – 2002]

BS (Hons) in Computer Science with distinction from International Islamic University Islamabad Pakistan

Professional Accomplishments

- Deputy Head of Department of Software Engineering at International Islamic University Islamabad from April 2010 till June 2011.
- Deputy Head of Postgraduate Program International Islamic University Islamabad from April 2009 to April 2010.

Professional Trainings

- On "Strategic Time Management" in 2007 by Timelenders Management Consultant and Trainers
- On "Workshop on Training for Teaching Methodologies" in 2007 organized by Department of Computer Science IIUI

MS Theses Supervised

- Farkhanda Nasim, 337-FBAS/MSCS/F07 "Semantic Service Oriented Framework for E-government in Pakistan" 2009
- Tehsin Kanwal, 354-FBAS/MSCS/F07. "Development of RS-XACML based Access Control Model for Web 2.0" 2009
- Rehab Zafar, 348-FBAS/MSCS/F07   "Defense against 802.11 De-authentication and Dis-association attacks in a lossy channel using artificial immune system" 2010
- Shamsa Bano, 139-FBAS/MSSE/F06 "Documentation of Process Decision in SOA" 2011
- Humaira Jabeen "Cross Domain QoS Mapping between WMN and Fixed topology for end-to-end QoS guarantee" 2012
- Farkhraz Mughal "Systematic Literature Review: behavior of Malicious code" 2012
- Zile Huma "Systematic Review of Empirical Literature in Software Process Improvement" 2013
- Maria Hussain "Software Process Improvement Problems in GSD Projects: An Analysis of Practitioner's Views" 2013