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Muhammad Umair

Summary of Qualifications

I have almost 12 years research and teaching experience as permanent / visiting faculty member in recognized institutions. I am doing PhD at VU University, Amsterdam with Agent System Research group

Research Interest:

Artificial Intelligence , Multi Agent Systems, Community Ecology, Natural Language Processing, Algorithm Analysis and Data Structure

Research & Publications

- Hoogendoorn, M., Memon, Z.A., Treur, J., and **Muhammad Umair**, A Model-Based Ambient Agent Providing Support in Handling Desire and Temptation. In: Demazeau, Y., et al. (eds.), Proceedings of the 8th International Conference on Practical Applications of Agents and Multi-Agent Systems, PAAMS'10. Advances in Intelligent and Soft Computing Series, Springer Verlag, 2010, to appear.
- Treur, J., and **Muhammad Umair**, An Ambient Agent Model Incorporating an Adaptive Model for Environmental Dynamics. In: Proceedings of the Second Asian Conference on Intelligent Information and Database Systems, ACIIDS'10. Lecture Notes in Computer Science, Springer Verlag, 2010, to appear.
- Bosse, T., Memon, Z.A., Treur, J., and **Muhammad Umair**, An Adaptive Human-Aware Software Agent Supporting Attention-Demanding Tasks. In: Yang, J.-J.; Yokoo, M.; Ito, T.; Jin, Z.; Scerri, P. (eds.), Proceedings of the 12th International Conference on Principles of Practice in Multi-Agent Systems, PRIMA'09. Lecture Notes in Artificial Intelligence, vol. 5925. Springer Verlag, 2009, pp. 292-307.
- Memon, Z.A., Treur, J., and **Muhammad Umair**, A Comparative Analysis on Adaptive Modelling of Induced Feelings. In: Proceedings of the Second International Conference on Cognitive Neurodynamics, ICCN'09. Springer Verlag, 2009, to appear.
- Hoogendoorn, M., Treur, J., **Muhammad Umair**, An Ecological Model-Based Reasoning Model to Support Nature Park Managers. In: Chien, B.C., Ali, M., Chen, S.M., Hong, T.P. (eds.), Proceedings of the Twenty Second International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems, IEA-AIE'09. Lecture Notes in Artificial Intelligence, vol. 5579. Springer Verlag, 2009, pp. 172-182.
- Mirza J S, **Muhammad Umair**, S A Hayat, Asif Hussain, " Analysis of Algorithms for Phrase Recognition", 9th International Multi Topic Conference, IEEE INMIC 2005, , Karachi, Pakistan, conference proceedings, pp 01-07
- Muhammad Rafiq Asim, **Muhammad Umair**, "Research on One-dimensional Modified Quadratic Shepard Interpolants at a Glance", 2nd CIIT Workshop on Reaserch in Computing (CWRC Fall 2005), Lahore, Pakistan, conference proceedings, pp 127-133 .
- Mirza J S, **Muhammad Umair**, "Optimizing Algorithms for Phrase Recognition", 1st CIIT Workshop on Research in Computing (CWRC Spring 2005), Abbotabad, Pakistan, Conference proceedings, pp 26-29

Executive Experience

Jan2003 **Incharge Job Placement Bureau**
To
Sep2003 *Institute of Management Sciences (Pak-Aims), Lahore*

Worked as In-charge of Job Placement Bureau. I designed a website which provides a link for job seekers of the institute to the alumni of the institute.

It would contain the information about the job seekers, alumni and employers.

Jun2000 To Jan2001 **Incharge MCS / MIS Programmes**
Institute of Management Sciences (Pak-Aims), Lahore

Worked as In-charge MCS / MIS programme in IMS. My responsibility was to guide and allocate the subjects to the students in coming semester and deal with the problems related to studies in these disciplines.

Year 1999 **Paper Setter / Examiner**
Bahaudin Zikriya University, Multan

I was assigned a duty to set the Paper-I (Computer-B) course and Paper-II (Computer General) for 1st & 2nd annual examination 1999

Year 1999 **Member Board of Studies**
Bahaudin Zikriya University, Multan

I was nominated as member Board of Studies in 1999 and worked as active member in redesigning the curriculum and admission criterion to undergraduate and postgraduate programmes offered by the university.

Dec1998 To Sep1999 **In charge Computer Science Department**
Govt. College D. G. Khan

I established the department of Computer Science from scratch. It includes the purchases of computers, establishing the laboratories and starting the courses on undergraduate level.

Teaching Experience

Aug2005 To Date **COMSATS Institute of Information Technology (CIIT), Lahore**
Assistant Professor

Taught Design & Analysis of Algorithm & Advance Algorithm Analysis at Undergraduate and Postgraduate level

Sep2003 To Aug2005 **COMSATS Institute of Information Technology (CIIT), Lahore**
Lecturer

I taught Design & Analysis of Algorithm & Object Oriented Programming at Undergraduate and Postgraduate level

Sep2003 To Dec2003 **Institute of Management & Technology (ILM), Lahore**
Visiting Lecturer

Taught Operating System Concepts to MCS students

Jun2000 **Institute of Management Sciences (Pak-AIMS), Lahore**

To Sep2003 Lecturer, In charge Job Placement Bureau, In charge M.C.S. &M.I.S.,
 I taught Operating System Concepts, Advanced Operating Systems, Design & Analysis of Algorithm. In addition I also taught Data Structure and Computer Programming Using C++ at Institute of Management Sciences (Pak-AIMS) to BCS and MCS students.

May2002 To Dec2002 **Institute of Management & Technology (ILM), Lahore**
Visiting Lecturer
 Taught Operating System Concepts to MCS students

Sep2001 To Sep2002 **Punjab University College of Information Technology (PUCIT), Lahore.**
Visiting Lecturer
 Taught Data Structure & Algorithm and Object Oriented Programming to M. Sc. students.

Sep1999 to Jun2000 **The Minhaj International University, Lahore**
Assistant Professor
 I taught DBMS, Operating System, and Introduction to Computer Programming (C), Computer Application to B.C.S. students.

Dec1998 To Sep1999 **Govt. Degree College, D. G. KHAN**
Lecturer / Incharge Computer Science Department
 I taught DBMS, Operating System, and Introduction to Computer Programming (Pascal), Computer Application to B.Sc. students.

Jul1998 to Dec1998 **Sohail Enterprises, Jhang**
Programmer & System Analyst
 My responsibility was to analyze and design the system for the company. It deals with the pharmaceuticals. I completely convert the manual system to the computerized, which is now being run successfully.

Professional Courses

- **Teaching & Learning in Higher Education** certified, organized by Department of Learning Innovation Higher Education Commission, Islamabad.
- **OAI** (Oracle Academic Initiative) for ORACLE/DEVELOPER 2000 at B.Z.U. Multan by P.I.T.B. (Punjab Information Technology Board)
- **OAI** (Oracle Academic Initiative) for ORACLE/DBA at U.E.T. Lahore by P.I.T.B. (Punjab Information Technology Board)

Distinction

- Won merit scholarship for PhD studies under **Overseas Scholarship scheme Phase-II, Batch-I for the Netherlands** through Higher Education Commission (**HEC**), Pakistan in 2007
- Secured **FIRST** position in **Punjab Public Service Commission** examination 1998

Education**PhD (Multi Agent Systems) [In Progress]**

VU University, Amsterdam
The Netherlands.

MS CS (Computer Graphics) [2006]

COMSATS Institute Of Information Technology, Islamabad
(Lahore Campus).
CGPA: 3.70

M. Sc. Computer Science [1998]

Quaid-I-Azam University, Islamabad.
Grade: B

B. Sc. In Double Math Physics [1995]

G. C., Lahore.
Grade: A

Languages

Fluent in Urdu, English reading, writing and conversation.

**Personal
Information**

Father's Name: Ch. Muhammad Ramzan
Date of Birth: July 08, 1975
NIC: 35202-8563832-7
Passport No: AA2298322
Marital Status: Married

References

Can be provided if required