

Dr. Nawsher Khan



PERSONAL INFORMATION

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Current Address: Office A/2/124, College of Computer Science,
Department of Information Systems, King Khalid University, Abha,
P.O. Box: 960 – Postal Code: 61421, Saudi Arabia.

Permanent Address: Office Research & Innovations, Department of Computer Science
Abdul Wali Khan University, Timargara Campus, Timargara 18300,
Dir Lower, KPK, Pakistan.

RESEARCH INTEREST

- Cloud Computing, Big Data, Internet of Things (IoT),

QULIFICATION

Post-Doctoral Research Fellow -[University of Malaya](#), Malaysia
July, 2013 – April, 2014 -[Mobile Cloud Computing Research Lab](#)

PhD (Computer Science) -[University Malaysia Pahang](#), Malaysia
2009-2013 -Faculty of Computer Science and Software
Engineering
-**Thesis:** New Scheduling Technique to Improve
Data Management in Cloud Computing

MSc Computer Science -[University of Hazara](#), Pakistan
2003-2005 -Department of Computer Science
-**Theses:** Data Management System for Medical
Students.

Bachelor in Computer Science -[University of Peshawar](#), Pakistan
1996-1998

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CURRENT POSITION

Associate Professor

- Nov 03, 2017 – cont ...
- College of Computer Science, Department of Information Systems, [King Khalid University](#),
- Abha, P.O. Box: 960 – Postal Code: 61421,
- Saudi Arabia.

Assistant Professor (on Leave)

- May 06, 2014 – cont ...
- Department of Computer Science
[Abdul Wali Khan University Mardan](#)
Timargara Campus, Dir Lower, KPK, Pakistan.

Member:

- Board of Studies, Department of Computer Science Abdul Wali Khan University Mardan.

Profile:

- [Nawsher Khan](#)

Supervision

1. Fakhr-e-Alam, MS student from Department of Computer Science, Bacha Khan University Charsada, Pakistan.
Research Title: *To make cloud computing capable for the Management of Big Data.*
2. Riaz Khan. MS student from Bacha Khan University Charsada, Pakistan.
Research Title: *Cloud Computing and Big Data, Issues & Challenges.*

CAREER HISTORY

Teaching & Research Assistant

- Aug 2009 – Apr 2013
- University Malaysia Pahang, Malaysia
Faculty of Computer Science and Software Engineering

Supervisor

- Jun 2005 – Jul 2009
- National Database & Registration Authority,
Pakistan

Software Developer (Internee)

- Oct 2004 – Mar 2005
- Ayub Medical Collage Abbottabad, Pakistan

Principal

- Jan 2000 – Jul 2002
- Global Computer College, Dir (L), Pakistan

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TEACHING INTERETS

- Database Management Systems
- Operating System
- Computer Architecture
- Digital Systems
- Artificial Intelligence
- Parallel Virtual Machine
- Distributed Operating System
- Distributed Systems
- Advance Computer Networks
- Human Computer Interaction
- Software Engineering
- Programming Languages (C/C++, Java, Assembly)

SCHOLARSHIPS/AWARDS

Graduate Research Scheme

University Malaysia Pahang,

Aug, 2009 - Jul, 2012

Duration of scholarship: 36 Months

RESEACH GRANTS

Around the world Grant for a project “Perjalanan Menerusi Budaya Dungan”. The aim of this project was, to explore the Dungan tribe and extract the reasons of their migration from china to Kazakistan, Kyrgystan and Russia. Issued Amount for this project: RM. 10638.

CONFERENES ORGANIZED (Organizing/program Committee)

1. The 2013 International Conference on Computer Science and Information Technology ([CSIT-2013](#)), May 27-29, 2013, Yogyakarta, Indonesia.
2. The First International Conference on Data Engineering ([DaEng-2013](#)), December 16-18, 2013, Kuala Lumpur Malaysia, Springer Verlag.
3. International Conference on Internet of Things and Big Data ([IoTBD-2016](#)), April 23-25, Rome, Italy.
4. International Conference on Big Data and Education ([ICBDE 2018](#)), Honolulu, Hawaii, USA, 9-11 March, 2018.

SESSION CHAIRS (Conferences)

1. International Conference on Computer Engineering and Technology ([ICCET-2010](#)), Kuala Lumpur, Malaysia.
 2. International Conference on Computer Research and Development ([ICCRD-2010](#)), Kuala Lumpur, Malaysia.
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3. International Conference on Software Engineering and Computer Systems ([ICSECS-2011](#)), Kuantan, Malaysia.
4. The First International Conference on Data Engineering ([DaEng-2013](#)), December 16-18, 2013, Kuala Lumpur Malaysia, Springer Verlag.

EDITORIAL BOARD MEMBER

1. International Journal of Fog Computing ([IJFC](#))
2. International Journal of Software Engineering and Computer Systems ([IJSECS](#))

REVIEWER

1. Journal of [Knowledge-Base System](#), Elsevier.
2. The 3rd International Conference on Software Engineering & Computer Systems ([ICSECS-2013](#)), Springer Verlag.
3. The First International Conference on Data Engineering ([DaEng-2013](#)), December 16-18, 2013, Kuala Lumpur Malaysia, Springer Verlag.
4. International Conference on Big Data and Education ([ICBDE 2018](#)), Honolulu, Hawaii, USA, 9-11 March, 2018.

PUBLICATIONS

Refereed Journals

- J16. Fehda Malik, Shahid Hussain, Ghufuran Ahmad, Hassan Ali Khatak, Muhammad Imran, Nawsher Khan, Mohammed Alsaqer, Ihsan Ali, Suleman Khan. *State-of-the-art Research on Smart City Applications: A Systematic Literature Review Study*. Journal IEEE Access. **IF: 3.244**. (Under Review).
- J15. Anwar Khan, Ihsan Ali, Nawsher Khan, Mohmmmed Alsaqer, Atiq-Ur-Rahman and Hasan Mahmood. *A Survey of Routing Protocols for Underwater Wireless Sensor Networks*. Journal IEEE Access. **IF: 3.244**. (Under Review).
- J14. Fakhre-Alam Khan; Dilawar Shah; **Nawsher Khan**; Abdul Rashid. "Privacy on Social Media through Geo-location, Face Recognition and Label information". Journal of Acta Informatica. **IF: 1.000**, Springer. (Under Review).
- J13. Anwar Khan, Ismail Ahmedy, Mohammad Hossein Anisi, Nadeem Javaid, Ihsan Ali, Naeem Bhatti, Muhamamd Zia, **Nawsher Khan**, Mohammed Alsaqer and Hasan Mahmood. "A Localization Free Interference and Energy Holes Minimization Routing for Underwater Wireless Sensor Networks". *Journal of Sensors*. **IF: 2.677**.

<http://www.mdpi.com/1424-8220/18/1/165>

Conti ...

- J12. Riaz Ullah Khan, Rajesh Kumar, **Nawsher Khan**, Xiaosong Zhang, Ijaz Ahad. 2017. “Optimizing a Deep Learning Model in order to have a Robust Neural Network Topology”. International Journal of Modeling and Optimization. (Accepted).
- J11. Qismat Ullah Khan, **Nawsher Khan**. “*Financial Performance of Manufacturing Firms of Pakistan Using Z-Score Model (Listed Firms on Karachi Stock Exchange)*”. Journal of Poverty, Investment and Development. Vol.12, (2015). pp. 117-130.
<http://www.iiste.org/Journals/index.php/JPID/article/view/22799/22864>
- J10. **Nawsher Khan**; Ibrar Yaqoob; Ibrahim AbakerTargio Hashem; Zakira Inayat; Waleed Kamaleldin Mahmoud Ali; Muhammad Shiraz; Abdullah Gani. “*Big Data: Survey, Technologies, Opportunities, and Challenges*”. The Scientific World Journal. ISI. **IF: 1.719**. Volume 2014 (2014), Article ID 712826, pp. 1-18.
<http://www.hindawi.com/journals/tswj/2014/712826/>
- J09. Ishtiaq Wahid, Masood Ahmad, **Nawsher Khan**, Abrar Ullah, “*A Novel Approach with Hash to Reduce Vertical Handover Latency*”. Journal of Applied Environmental and Biological Science. 2014; Volume 1: pp. 350-357.
[https://www.textroad.com/pdf/JAEBS/J.%20Appl.%20Environ.%20Biol.%20Sci.,%204\(7S\)350-357,%202014.pdf](https://www.textroad.com/pdf/JAEBS/J.%20Appl.%20Environ.%20Biol.%20Sci.,%204(7S)350-357,%202014.pdf)
- J08. Masood Ahmad, Ishtiaq Wahid, **Nawsher Khan** and Abdusalam, “*Efficient Sort Using Modified Binary Search-A New Way To Sort*”. Journal of Applied Environmental and Biological Science. 2014; Volume 1: 406-410.
[https://www.idosi.org/wasj/wasj28\(10\)13/6.pdf](https://www.idosi.org/wasj/wasj28(10)13/6.pdf)
- J07. **Nawsher Khan**, Noraziah Ahmad, Tutut Herawan, Zakira Inayat: “*Cloud Computing: Locally Sub-Clouds instead of Globally One Cloud*”. International Journal of Cloud Application and Computing (IJCAC), IGI Global, Vol. 2, No. 3, pp. 68-85, 2012. (Indexed by DBLP, INSPEC, ProQuest).
<http://www.igi-global.com/article/cloud-computing-locally-sub-clouds/72327>.
- J06. **Nawsher Khan**, A.Noraziah, Elrasheed I. Ismail, Mustafa Mat Deris, Tutut Herawan, “*Cloud Computing Analysis of Various Platforms*”, International Journal of E-Entrepreneurship and Innovation (IJEEI), IGI Global, Vol 3, No. 2, pp. 52–60, 2012. (Indexed by DBLP, Google Scholar, INSPEC).
<http://www.igi-global.com/article/cloud-computing-analysis-various-platforms/67542>.
- J05. Habib Shah, Rozaida Ghazali, Nazri Mohd Nawi, and **Nawsher Khan**. “*Boolean Function classification using Hybrid Ant Bee Colony Algorithm*”. Journal on Computer Science & Computational Mathematics, JCSCM, Volume 2, Issue 11, November 2012.
<http://www.jcscm.net/cms/page.php?issues=1&id=33>

- J04. Noraziah, Ainul Azila Che Fauzi, Mustafa Mat Deris, Md Yazid Mohd Saman, Noriyani Mohd Zain, **Nawsher Khan**, “*Managing Educational Resource Student Information Systems Using BVAGQ Fragmented Database Replication Model*”, Elsevier, Procedia Social and Behavioural Sciences 2012. Volume 28, 2011, Pages 127–132.
<http://www.sciencedirect.com/science/article/pii/S1877042811024657>
- J03. Ainul Azila Che Fauzi, A.Noraziah, Noriyani Mohd Zin, A. H. Beg, **Nawsher Khan**, E.Ismail Sultan, “*Handling Fragmented Database Replication through Binary Vote Assignment Grid Quorum*”, *International Journal of Computer Science*, Vol. 7, No. 9, pp. 1338–1342, 2011.
<http://www.thescipub.com/abstract/10.3844/jcssp.2011.1338.1342>
- J02. **Nawsher Khan**, Noraziah Ahmad, Ahmed N. Abdalla, Abul Hashem Beg, “*Novel Database Design for Student Information System*”, *Journal of Computer Science*, Science Publications, Vol. 6, No. 1, pp. 43-46, Jan 2010.
<http://thescipub.com/pdf/10.3844/jcssp.2010.43.46%E2%80%8E>
- J01. A. H. Beg, Noraziah Ahmad, Ahmed N. AbdAlla, **Nawsher Khan**. “*Framework of Persistence Layer for Synchronous Data Replication (PSR)*”. *Australian Journal of Basic and Applied Sciences*. 4(10): 5394-5400, 2010, ISSN 1991-8178.
<http://www.ajbasweb.com/ajbas/2010/5394-5400.pdf>

Book Chapters

- B04. **Nawsher Khan**, A. Noraziah, and Tutut Herawan. “*A Cloud Architecture with Efficient Scheduling Technique*”. *ICICA 2012: Lecture Notes in Computer Science*, Springer Verlag, Vol. 7473, Pages 381-388, 2012.
http://link.springer.com/chapter/10.1007%2F978-3-642-34062-8_50#page-2
- B03. **Nawsher Khan**, A. Noraziah, Tutut Herawan, and Mustafa Mat Deris. “*Cloud Computing: Analysis of Various Services*”. *ICICA 2012, Lecture Notes in Computer Science*, Springer Verlag, Vol. 7473, Pages 397-404, 2012.
http://link.springer.com/chapter/10.1007/978-3-642-34062-8_52
- B02. **Nawsher Khan**, A. Noraziah, Tutut Herawan, Elrasheed I. Ismail. “*Cloud Computing: Architecture for efficient provision of services*”. *The 15th International Conference on Network-Based Information Systems (NBIS-2012)*, Melbourne, Australia, 2012. Pages 18-23.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6354802>
- B01. **Nawsher Khan**, A. Noraziah, Mustafa Mat Deris, and Elrasheed I. Ismail. “*Cloud Computing: Comparison of Various Features*”. In E. Ariwa and E. Qawasmeh (Eds.): *DEIS 2011, Communications in Computer and Information Science*, Springer Verlag, Vol. 194, pp. 243–254, 2011.
http://link.springer.com/chapter/10.1007%2F978-3-642-22603-8_22#page-1

PROCEEDINGS

- C12. **Nawsher Khan**, Mohammed Alsaqer, Habib Shah, Gran Badsha, Aftab Ahmad Abbasi, Soulmaz Salehian. *The 10 Vs, Issues and Challenges of Big Data*. International Conference on Big Data and Education (ICBDE 2018), Honolulu, Hawaii, USA, 9-11 March, 2018. (Accepted).
- C11. **Nawsher Khan**, Ishtiaq Wahid, Abrar Ullah, Masood Ahmad, Arshad Ali, “*Big Data: Survey, Technologies, Opportunities, and Challenges*”, International conference on computational and social science, Recep Tayyip Erdoğan University, Rize, Turkey 2014 Vol 2, August 2014, pp. 1430-1456.
- C10. Ishtiaq Wahid, Masood Ahmad, **Nawsher Khan**, Abrar Ullah, “*A Novel Approach with Hash to Reduce Vertical Handover Latency*”, 2nd International Conference on Computational and Social Sciences (ICCSS-2014), Recep Tayyip Erdoğan University, Rize, Turkey, Volume 2, Number 2, August 2014, pp. 1736–1744.
- C09. Masood Ahmad, Ishtiaq Wahid, **Nawsher Khan** and Abdusalam, “*Efficient Sort Using Modified Binary Search-A New Way to Sort*”, 2nd International Conference on Computational and Social Sciences (ICCSS-2014) Recep Tayyip Erdoğan University, Rize, Turkey, Volume 2, Number 2, August 2014, pp. 1467–1472.
- C08. Muhammad Khan, Salah A. A. Elhussain, Muhammad Mumtaz Khan, **Nawsher Khan**. “*Anti-Acetyl cholinesterase Activity of Piper sarmentosum by a Continuous Immobilized-enzyme Assay*”. 3rd International Conference on Biotechnology and Food Science (ICBFS 2012), April 7-8, 2012 APCBEE Procedia, Volume 2, 2012, Pages 199–204.
<http://www.sciencedirect.com/science/article/pii/S2212670812001066>
- C07. **Nawsher Khan**, A. Noraziah, Elrasheed I. Ismail, Mustafa Mat Deris. “*Cloud Computing: Analysis of Various Platforms Features*”. 2nd World Conference on Information Technology (WCIT 11), Pages: 24-27. November, 2011. Antalya, Turkey.
<http://www.igi-global.com/article/cloud-computing-analysis-various-platforms/67542>
- C06. **Nawsher Khan**, Noraziah bt Ahmad, Ahmed N Abd Alla, Muhammad Nubli, A.H.Beg, El-Rasheed I. Ismail, “*Epilepsy Control by Prayer Type Yoga Exercise*”, The Second International Conference on Computer Research and Development (ICCRD 2010), IEEE Xplore, Malaysia, Vol. 1, No. 1, pg. 391-395, May 2010.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5489585>
- C05. **Nawsher Khan**, Noraziah binti Ahmad, Ahmed N Abd Alla, Muhammad Nubli, A. H. Beg, M.A.I. Fakheraldin, “*Mental and Spiritual Relaxation by Recitation of the Holy Quran*”, The Second International Conference on Computer Research and Development (ICCRD 2010), IEEE Xplore, Malaysia, Vol. 1, No. 1, pg. 863- 867, May 2010.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5489462>

- C04. Beg, A. H.; Ahmad, N.; **Nawsher Khan.**; Alla, A. N. A.; Nubli, M.; Lovely, A. K.; 2010. *Artificial intelligent strategy to control heart rate variability*. Electronic Computer Technology (ICECT), 2nd International Conference on Electronic Computer Technology (ICECT 2010), IEEE Xplore, Malaysia, Vol. 1, No. 1, pg. 228-231, May 2010.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5479951>
- C03. A. H. Beg, Noraziah Ahmad, Ahmed N. AbdAlla, **Nawsher Khan**, K. F. Rabbi. “*Structure and Framework of Synchronous Replication Based On Data Persistency to Improve Data Availability into a Heterogeneous System*”. International Conference on Software and Computing Technology (ICSC-2010, Kunming, China. Vol. 1, Pg. 127-130.
- C02. Noraziah Ahmad, A.H.Beg, Ahmad N Abd Alla, Muhammad Nubli, **Nawsher Khan** and Ainul Azila, “*Framework of intelligent game and software for improvement of learning performance based on Heart Rate Variability*”, The 2nd International Conference on Computer Engineering and Technology (ICCET 2010), IEEE Xplore, China, Vol. 4, pg 383-386, April 2010.
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5485522>
- C01. Elrasheed, I. S; Hatim, R; Noraziah Ahmad; **Nawsher Khan.**; Beg, A. H.; *Effective Knowledge Management System Architecture in Cloud Computing*. 2nd International Conference on Applied Business and Economics, ICABE 2010, Sohar University Oman. Pages. 471-482.

REFERENCES

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Johor, Malaysia.
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3. **Assoc. Prof. Dr. Noraziah Ahmad**
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Universiti Malaysia Pahang, Lebu Raya Tun Razak,
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