

SALEH MOHAMMED ALTOWAIJRI, BSc, MSc, PhD

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salehmsm@hotmail.com

My Academic and professional achievements contribute in a challenging environment that will enhance my teaching, research, team working and organisational skills and enable me to excel as an academic.

EDUCATION

PhD in Cloud Computing **2013**

Department of Computational Engineering, Swansea University, Swansea, United Kingdom

Dissertation title: Grid and Cloud Computing: Technologies, Applications, Market Sectors, and workloads

The aim of my PhD was to explore the major technological developments that have happened in the ICT systems during this century with a focus on developing techniques to manage applied ICT systems in digital economy. In the process, I touched upon the evolution of ICT systems and discuss these in context of the state of the art technologies and applications. In particular, I identified the two most transformative technologies of this century -- grid computing and cloud computing -- and two application areas, intelligent healthcare and transportation systems. I used quantitative modelling to analyse and propose solutions for next generation healthcare and transportation systems based on grid and cloud computing. Moreover, I presented a quantitative analysis of cloud computing market sectors, applications, and workload using over 200 real life case studies. The work contributed in multidisciplinary fields involving healthcare, transportation, mobile computing, vehicular networking, distributed, grid and cloud computing.

MSc in Computer Science **2008**

Department of Computing, University of Glamorgan, Pontypridd, United Kingdom

Thesis title: An Implementation of E-commerce Prototype Solution

BSc (Hons) Business Information Systems **2006**

Department of Computing and Information Systems, Cardiff Metropolitan University, Cardiff, United Kingdom

Thesis title: Analyse the current system problems of Property-Direct Agency, and implement a suitable solution for the company

PROFESSIONAL EXPERIENCE

- Dean, Faculty of Computing and Information Technology** **10/03/2016 - Present**
Northern Border University,
Rafha, Kingdom of Saudi Arabia
- Vice Dean, Faculty Computing and Information Technology** **26/10/15 - 10/03/16**
Northern Border University,
Rafha, Kingdom of Saudi Arabia
- Head of Information Technology Department** **08/2015 – 09/2016**
Faculty of Computing and Information Technology
Northern Border University,
Rafha, Kingdom of Saudi Arabia
- Deputy Attaché for Cultural & Social Affairs** **05/2015 - 07/2015**
Saudi Arabian Cultural Bureau,
London, United Kingdom
- Head of the registration committee of the 5th Graduation Ceremony & Career Fair of King Abdullah Scholarship Programme.** **2015**
London, United Kingdom
- Supervising the registration process of more than 1,500 graduates of the scholarship holders of King Abdullah Scholarship Programme in the United Kingdom for the academic year 2015.
- Assistance Conference Manager of The 8th Saudi Students Conference** **10/2014 - 03/2015**
Queen Elizabeth II Conference Centre,
London, United Kingdom
- Designing and implementing the official registration programme of the Conference.
 - Checking the validity of the registration information of more than 700 participants, 30 academic reviewers, and more than 800 guests.
 - The Conference took place on 31 January and 1 February at the QEII Centre in London, it was sponsored by KAUST, the King Abdullah University of Science and Technology, and hosted by Imperial College London.
- Academic Monitoring Unit** **12/2014 - 05/2015**
Saudi Arabian Cultural Bureau in
London, United Kingdom
- Working with a team on the designing and development of the new electronic report system for the students of the English Language, Bachelor degree, Master degree, and PhD.
 - Coordinating with other departments in the attaché in order to study the required academic developments.

PUBLICATIONS

Refereed Publications (Conferences)

Saleh Altowaijri, Rashid Mehmood, John Williams, "A Quantitative Model of Grid Systems Performance in Healthcare Organisations," in ISMS '10 Proceedings of the 2010 International Conference on Intelligent Systems, Modelling and Simulation, Liverpool, United Kingdom, pp. 431 –436, IEEE Computer Society Press, January 2010.

[DOI: 10.1109/ISMS.2010.84](https://doi.org/10.1109/ISMS.2010.84)

Alazawi, Zubaida, **Altowaijri, Saleh**, Mehmood, Rashid and Abdljabar, Mohmmad B. (2011), Intelligent disaster management system based on cloud-enabled vehicular networks. In: 11th International Conference on ITS Telecommunications. ITST 2011, IEEE, Saint Petersburg, Russia, pp. 361-368, August 2011.

[DOI: 10.1109/ITST.2011.6060083](https://doi.org/10.1109/ITST.2011.6060083)

Z. Alazawi, O. Alani, M. B. Abdljabar, S. Altowaijri, and R. Mehmood, 'A Smart Disaster Management System for Future Cities', in WiMobCity '14 Proceedings of the 2014 ACM international workshop on Wireless and mobile technologies for smart cities, Philadelphia, Pennsylvania, USA, 2014, pp. 1–10, August 2014.

[DOI:10.1145/2633661.2633670](https://doi.org/10.1145/2633661.2633670)

Book Chapters

Zubaida Alazawi, Mohmmad B. Abdljabar, **Saleh Altowaijri**, Anna Maria Vegni and Rashid Mehmood, "ICDMS: An Intelligent Cloud Based Disaster Management System for Vehicular Networks", in Proceedings of the 4th International Conference on Communication Technologies for Vehicles, Nets4Cars/Nets4Trains 2012, Vilnius, Lithuania, Lecture Notes in Computer Science, Volume 7266, pp. 40–56, Springer Berlin / Heidelberg, April 25-27, 2012 ISBN 9783642296666

[DOI: 10.1007/978-3-642-29667-3_4](https://doi.org/10.1007/978-3-642-29667-3_4)

Mehmood, R., Faisal, M. A., & Altowaijri, S. (2015). Future Networked Healthcare Systems: A Review and Case Study. In M. Boucadair, & C. Jacquenet (Eds.) Handbook of Research on Redesigning the Future of Internet Architectures (pp. 531-558). Hershey, PA: Information Science Reference.

ISBN13: 9781466683716

[DOI: 10.4018/978-1-4666-8371-6.ch022](https://doi.org/10.4018/978-1-4666-8371-6.ch022)

MEMBERSHIPS

Institute of Electrical and Electronics Engineers (IEEE)
Association for Computing Machinery (ACM)

REVIEWING

- Elsevier Journal of Network and Computer Applications (JNCA)
- IEEE Colloquium on Humanities, Science and Engineering Research (IEEE CHUSER)
- IEEE Symposium on Business, Engineering and Industrial Applications (IEEE ISBEIA)
- IEEE Business Engineering and Industrial Applications Colloquium (IEEE BEIAC)

RESEARCH INTERESTS

- Grid and Cloud Computing technologies, Systems and Applications
- Database management systems, Data Analysis, and Data Mining
- Information Systems and Information Technology Risk Management
- Emerging ICT Systems in Healthcare and Transportation Sectors