Asma Mohammed Al-Saidi

- Sultanate of Oman, P.O Box 17, P.C 123, Muscat, Sutan Qaboos University
  - Email: asma.alsaidi@googlemail.com   Phone no 24142456

Personal Information
- Asma Mohammed Al-Saidi
- Nationality: Omani.

Education

- **Ph.D - Computer Sciences –2011**, Cardiff University, United Kingdom
  - Thesis Title: On-demand transmission model for image based remote visualization.
  - Funded by Shell Development Oman LLC.
  - Supervised by Prof. David Walker and Prof Omer Rana.

- **Masters- Computer Science –2002,** Sultan Qaboos University, Sultanate Of Oman, GPA3.68
  - Thesis Title: Web-based and Cluster Based parallel computing
  - Supervised by Prof. Khaled Day.

- **Bachelor Degree –2000,** Computer Science, Sultan Qaboos University , Sultanate Of Oman, GPA3.1

  Project Title: Data replication in distributed systems

  - Awarded "A grade".

  - Supervised by Prof. Khaled Day.

- **Science High School –1996,** Safia bint AbdulMutalib School for Girls
  - Graduated from high school with grade (94.5%)

Technical Knowledge
- Strong technical knowledge of computer science, information systems, computer graphics and communication networks, architectures and systems.
- Expert in simulation and mathematical modeling of computer and communication networks.
- Expert in algorithm complexity analysis.
- Excellent written and verbal communication skills

Leadership and Team-Work
- Excellent analytical skills with the ability to analyze situations accurately and effectively
- Ability to lead others in high-demand situations
- Experienced in successful management of diverse groups of people

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Teaching experience: (13 years of teaching experience 2001-2014)

1. Lecturing **Engineering problem Solving with C++** , Computer Science Dept., Sultan Qaboos University ,Spring-2014.
2. Lecturing **Engineering problem Solving with C++** , Computer Science Dept., Sultan Qaboos University ,Fall-2013.
3. Lecturing **Operating Systems** Course, German University, Oman, Spring-2013.
4. Lecturing **Human Computer Interaction** Course, German University, Oman, Spring-2013.
5. Lecturing **Parallel Computing** Course, German University, Oman, Fall 2012.
6. Tutoring HCI (CM0233) **Human Computer Interaction**, School of computer science and Informatics, Cardiff University, Spring Semester 2009.
7. Lecturing INFS2412 **Introduction to Management Information Systems** , Summer semester 2004
8. Lecturing INFS2412 **Introduction to Management Information Systems**, Spring semester 2004
9. Tutoring COMP2102 **Computer Programming in C**, Computer Science Dept., Sultan Qaboos University, Spring semester 2001.
10. Tutoring COMP2102 **Computer Programming in C**, Computer Science Dept., Sultan Qaboos University, Fall semester 2001.

Areas of Research

My research interested include, but are not limited to parallel and distributed computing, performance evaluation of communication networks, communication protocols and algorithms, congestion control, 3D graphics, remote visualization and online-education.

Books

- Asma al Saidi, Rudolf Fleischer, Zakaria Maamar, Omer Rana, **Intelligent Cloud Computing: First International Conference, ICC 2014, Muscat, Oman, February 24-26, 2014, Revised Selected Papers (Lecture Notes in Computer Science) Paperback – 30 Jun 2015,** ISBN978-3-319-19848-4

Conference Organizing

- 2nd International Conference on Applied Information and Communications Technology – 2014, April 28-29, 2014. Middle East College , Muscat, Oman , http://mec.edu.om/icaict2014/index.html.
  - o **Role:** Member of the Advisory Committee.
  - o

- ICC 2014, International Conference on Intelligent Cloud Computing 2014: Theoretical Foundations and Applications, 24-26 February 2014, GUtech, Muscat, Oman. http://staff.gutech.edu.om/cloud2014/
  - o **Role:** Conference Chair.

- IAS 24th Regional Meeting of Sedimentology, Muscat, Oman, January 10-13, 2005.
  - o **Role:** Member of the organizing committee.

Computers Skills

- **Programming**: VB, Java, C/C++, Qt, Pascal, Fortran, SQL, Perl.

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- **Web-programming**: HTML, JavaScript, PHP.
- **Software Packages**:
  - LaTeX/Bibtex
  - Adobe Photoshop, FrontPage.
  - EndNote
  - Office Applications
- **Operating Systems** Windows, Unix and Mac OS X

Training courses

1. Windows NT 4.0,AlQurum training center, 30/12/2001-02/01/2002
2. Intermediate System Administration for Solaris 9 Operating environment, Sun Microsystems-Dubai, 10/1/2004-15/1/2004
3. Advance System Administration for Solaris 9 Operating environment, Sun Microsystems-Dubai, 18/1/2004-22/1/2004
4. Heritage Site 3D Modeling Project, Rome-Italy,15/05/2005-24/06/2005
5. Managing Your References Using EndNote, Julian Hodge Study Centre -Cardiff University, 10/12/2007
6. Managing Your References Using EndNote 2, Julian Hodge Study Centre -Cardiff University, 04/03/2008
7. Avoiding Plagiarism, Vaughan Graduate Centre-Cardiff University, 12/03/2008
8. Conference Posters (Sciences & Engineering), Vaughan Graduate Centre-Cardiff University, 03/10/2008
9. Effective Writing: Principles & Strategies (Writing & Literature Skills: Physical Science/Engineering, Vaughan Graduate Centre-Cardiff University 25/02/2009
10. Richard Noble, OBE Graduate School in Physical Sciences & Engineering Annual Lecture, Large Chemistry Lecture Theatre and VJ Gallery, Main Building- Cardiff University, 11/11/2009
11. Lecturing Skills (Physical Sciences & Engineering), Trevithick Building, - Cardiff University   02/11/2010
12. Developing an Academic Career in the Sciences and Engineering, Main Building Council Chamber, - Cardiff University, 30/06/2011
13. Advanced Research Computing: An Introduction to Merlin (the Supercomputer), Julian Hodge Study Centre - Cardiff University, 05/07/2011.
14. Junior Level Linux Certification, ITA Oman, 14/1/2012-18/1/2012
15. Advanced Level Linux Certification, ITA Oman,21/1/2012-25/1/2012.
16. Encouraging Progressive Pedagogy, Oman Quality Network in Higher Education, Mazon College,19/3/2013.
17. Project management Professional PMP, Alalwai training center, Holiday Inn.,16-27/2/2014.

Awards and achievements

1. Best third year presentation, Annual computer science postgraduate retreat day, 12 May 2010.

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2. Student Prize for Best poster in third year postgraduate, 21 January 2010

3. One of Best 4 posters, Poster for PSE Annual Lecture, 2009

4. Best first year presentation, Annual computer science postgraduate retreat day, 14,May 2008

5. Recognition for outstanding academic performance, H.E. Minister of Higher Education, Oman, 2008

6. Recognition for outstanding academic performance, President of Sultan Qaboos University, Oman, 2008

7. Full PhD Scholarship Funded by Shell Development Oman LLC.

8. Highest GPA for MSc 2002 graduates in computer science 2002

9. Dean's list for Honors, Spring 99

Publications

1. **Asma Al-Saidi, Data replication in distributed systems, B.Sc. Thesis, 2000, Sultan Qaboos University, Oman.**
2. **Asma Al-Saidi, Web-based and Cluster Based parallel computing, , M.Sc. Thesis, 2002, Sultan Qaboos University, Oman**
3. **Asma Al-Saidi, Nick J. Avis, Ian J. Grimstead, and Omer F. Rana, Distributed collaborative visualization using light Field rendering, CCGRID, 2009, pp. 609–614.**
4. **Asma Al-Saidi, Nick J. Avis, Omer F. Rana, Abdelhamid Abdesselam, On-Demand Transmission Model Using Image- Based Rendering for Remote Visualization, UK e-Science All Hands Meeting, 7th -9th December 2009, Oxford ,UK.**
5. **Asma Al-Saidi, Distant 3D Collaboration Using Multiple Images Approach, Speaking of Science Conference 2009, Cardiff University, 28 April 2009.**
6. **Asma Al-Saidi, On-demand transmission model for image based remote visualization, PhD Thesis, 2011, Cardiff University, UK**
7. **Al-Saidi, A., Walker, D. W. and Rana, O. F. (2012), On-demand transmission model for remote visualization using image-based rendering. Concurrency and Computation: Practice and Experience. doi: 10.1002/cpe.2820.**
8. **Asma Al-Saidi, Remote Visualization Using 2d Array Of Images, The International Conference on Computing, Networking and Digital Technologies(ICCNDT 2012), 11th-13th November 2012, Manama, Bahrain.**
9. **Asma Al-Saidi, David W. Walker and Omer F. Rana, "Theoretical Cost Comparison for IBR for Remote visualization". (under preparation)**

Talks

1. School of computer science retreat day 2008, and won the prize for best presentation for the first year.
2. School of computer science retreat day 2009,
3. School of computer science retreat day 2010, and won the prize for best presentation for the third year.
4. Presentation session for FTS seminars, Image-based rendering, 2009
5. Presentation session for FTS seminars, Remote and collaborative visualization: How to bridge the gap between reality and future, 2010

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Posters

1. Poster for PSE Annual Lecture and achieve the nominated for the prize one of top 4 posters,2009
2. Invited poster for Postgraduate Open Day 2009
3. Poster for School Poster Day 2008
4. Poster for School Poster Day 2009
5. Poster for School Poster Day 2010, won Student Prize for the best Poster

Referees

Prof David W. Walker
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Cardiff, CF24 3AA
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