Dr. Badr Almutairi

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Date of Birth: 1st, Jan, 1972.

Education

PhD in Computer Science, De Montfort University 2010-2014

Thesis Title: Multimedia Communication in e-Government Interface: A Usability and User Trust InvestigationApplications (Scholarship from the ministry of higher education- Saudi Arabia)
Supervisor: Professor D. Rigas.

Brief Synopsis of Research:

This investigated the use of novel combinations of multimodal metaphors in the presentation of messaging information to evaluate the effect of these combinations on the usability of e-government interfaces and on the users' communication performance and perception of trust. This may force governments to embrace the evolution of multimodal interaction and e-government portals with metaphors of audio-visual avatar to solve the communication problems. The research study examines the hypothesis through an experimental research methodology. The findings and conclusions of this study will be useful for leaders at both the national and organizational level; to guide them towards taking correct decisions, enhance their environments and prepare the public sector for the process of change.

Research Interests:

My current research enhances usability and improve the performance of communication.

2002-2005 MSc Education Technology, Jordan University. Amman-Jordan.

Modules included: e-learning systems, Education Technology.
Master Dissertation Title: The reality of the use of the Internet in Education in Saudi Arabia.
Brief Synopsis of Dissertation:

This project was to develop and a survey about the reality of Internet use in education, the study showed good results as well as the recommendations in the field of education development.

2004-2007 MSc Computer Information systems, Arab Academy for Banking and Financial Sciences. Amman-Jordan.

Modules included: Information Engineering, Software Project Management, Advanced Software Development, Formal Methods, Human Computer Interaction and Group Project.

Master Dissertation Title: Applying Customer Relations in E-commerce Using Software Engineering Approach.

Brief Synopsis of Dissertation:
This project was to develop an interactive e-commerce platform system for retail site to fit to all product types that would allow administrators to upload their products with the opportunity for sales all over the world and customers to buy any type of items online.

1992-1988 BSc Computer Science, king Abed Al-Aziz University (KSA).

Modules included: Structured Programming, Software Engineering (Including Object Oriented Theory), Networks and Communication Systems.

Final year project:
Windows application for decision support systems. An application created by Visual Basic and Microsoft access to facilitate Customer support and sales to buy a computer from the market. I achieved well above average marks for this project.

Technology used: Visual Basic.NET, ADO.NET, ASP.NET, Adobe Photoshop and SQL server.

Skills
General skills in research project management and data analysis. Specific expertise and interests in:

Computing Skills:

- Consultant of e- government solutions
- Programming Languages: UML, C#, SQL, and HTML.
- Operating Systems: UNIX, Apple and Windows.

Teaching Skills:
- Majmaah University, Assistant Professor, lecturer of computer science, 1years.
- Ministry of Education, Teacher of computer science, 2years.
- Telecommunication college, Teaching courses (Computer Skills, Network, Operating System), 1 year.

- Attended course 'Beginning to Teach in Higher Education' which gives practical and knowledge of teaching at higher education level and gives supervision skills.

Other skills
- Knowledge of research methodologies.
- Statistical software: extensive experience with SPSS.
- Data and information collection.
- Writing and presenting reports.
- Communication Skills training course certified from Midland Academy of Business and Technology.

Professional Memberships

- IEEE membership
- Student member of the British Computer Society.
- Member of HCI International, Human computer interaction.
- Member of WSEAS International Conference.
- Member of IGI Global: International Publisher of Progressive Academic.

Conferences attended

- Badr Almutairi, and Ahmed Khan. " "Persistent architecture for optimizing web service for e-government implementation." IEEE International Symposium on Systems Engineering 2016.
- Almutairi, Badr, and Dimitrios Rigas. "The role of avatars in e-government interfaces." International Conference of Design, User Experience, and Usability. Springer International Publishing, 2014.
- 15 International Conference, HCI International 2013, Las Vegas, NV, USA, Paper, July 21-26, 2013.
- 1 st WSEAS International Conference on COMPUTER SUPPORTED EDUCATION (COSUE '13), Vouliagmeni, Athens, Greece, Paper, May 14-16, 2013,
- Entrepreneurship Excellence Center, Change your idea into a successful project, London, UK, Speake, Octoberr 11, 2012.

Publications/Conference Papers

- **Journal Publications:**

1. Badr Almutairi, and Rigas, Dimitrios. "An Empirical Investigation into the Role of Avatars in Multimodal E-government Interfaces." International Journal of Socio technology and Knowledge Development (IJSKD) 5.1 (2013): 14-22.

- **Conference Contributions:**

2. Almutairi, Badr, and Dimitrios Rigas. "The Role of Avatars in e-Government Interfaces." Design, User Experience, and Usability. User Experience Design for Diverse Interaction Platforms and Environments. Springer International Publishing, 2014. 28-37.

3. Badr Almutairi, and Rigas, Dimitrios."Investigating the impact of combining speech and earcons to communicate information in e-government interfaces." Human-Computer Interaction. Interaction Modalities and Techniques. Springer, Berlin Heidelberg, 2013. 23-31.

4. Badr Almutairi, and Rigas, Dimitrios."Multimodal learning through e-Government Interfaces." Human-Computer Interaction. World Scientific and Engineering Academy and Society.

Scientific Innovation

Type of creativity	Intellectual Property	Date of certificate	Novelty
Patent	ProspectIP is the trading name for IP By Design Ltd, Registration number 07382849	22 March 2013	How to increase user trust in the communication by Avatars

Experience

- Monitoring shipment system, Jeddah port control Tower, 2 years.
- Telecommunication college, Teaching courses (Computer Skills, Network, Operating System), 1 year.
- Asalaam Aircraft, Riyadh, Royal Saudi Air Force (Programmer & Networking), 8 year.

Projects
- With a group, I have done the graduation project "Human Resource" for King Abed AL-Aziz University Using visual Basic.
- Project financial and administrative " ERP system" in the Royal Saudi Air Force Using Oracle solutions.
- F15 Project E-Learning System in the Royal Saudi Air Force Using blackboard systems.

Attended Courses
- ExcuTrain of Jordan.
  - Programming with the Microsoft®. NET Framework (Microsoft -Visual Basic®. NET
  - Programming with Microsoft ADO.NET
  - Upgrading Web Development Skills from ASP to Microsoft ASP.NET (MCSD, ExcuTrain of Jordan).
- Arab Academy for Banking and Financial Sciences. Amman-Jordan.
  - Course in Rational Rose.
-   Arab Academy For Microsoft Technologies
  - Microsoft Operating System & Networking.
  - Implementing Microsoft Windows 2000 Professional & Server (MCSE, Arabic Academy For Microsoft Technologies- Jordan).

Awards

- Scientific excellence from the Saudi Embassy in London, 2013.
- Distinguish of Scientific from the Saudi cultural bureau in London, 2013.

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