

Baker Kh. Abdalhaq

I am a computer science researcher and teacher with significant experience in management. I have both experiences in professional work and academia.

Place of birth :

Palestine, Nablus

Date Of Birth:

July 27 ,1970

Languages:

Arabic mother tong

English Fluent

Spanish Fluent



Education :

Ph.D Computer Science, Universitat Autònoma de Barcelona. Spain 2004.
(www.uab.es) title:"A methodology to enhance the prediction of forest fire propagation"

Ms. Computer Science , Universitat Autònoma de Barcelona. Spain 2002.
(www.uab.es)

B.Sc. Computer Science, Princess Sumaya University for technology, Jordan 1994.

(www.psut.edu.jo) (with honor)

No title study: Finished MBA courses from Annajah National University with Honor grade 1999

Research interest: Simulation, Optimization Techniques, Technology Acceptance Models, SW Project Management.

Investigation Projects

FOREMMS: Forest Environment monitoring and management

To develop and demonstrate an advanced forest environmental monitoring and management system prototype.

SPREAD is a research project supported by the European Commission under the Fifth Framework Program within the Energy, Environment and Sustainable Development. *Contract EVG1-2001-00043.*

GRID : I have participated in administration of the GRID in UAB-Spain during my stay there.

Professional work:

- **From August 2004, Assistant professor**
Place: An-Najah National University, Nablus Palestine.
(www.najah.edu)
- From January 2012, to August 2013 **Dean Faculty** of Information Technology, An-Najah National university
 - Work tasks:
 - Managing and developing curricula.
 - Managing and recruitment of faculty members (evaluation, promotion ...etc).
 - University strategic plan development.

- From august 2005 to January 2012: **Head of CIS** department
At Faculty of IT An-Najah National university
 - Work tasks:
 - Managing and developing curricula.
 - Managing and recruitment of faculty members (evaluation, promotion ...etc).
 - Department strategic plan development.
- August 1994- September 1999 **Programmer/Analyst**
Place: An-Najah National University, Nablus
Palestine.(www.najah.edu)
Work tasks : analysis, design and implementation of MIS
 - Database Administration and tuning
 - OS Administration
 - Participated in many committees for computer HW and SW procurement.
- Projects: Library management system , Students Information System, Payroll, Inventory, Accounting, Personnel.

Committees: faculty of engineering and IT strategic planning committee, University IT policy, E-learning committee, Procurement committees, University Hospital Information system consultation committee.

Teaching experience

Master Courses: Simulation models, Software Project Management (Engineering Management). Programming for advanced computing master students.

Bachelor courses : Operating systems, Algorithms, Operations research, internet programming, Data Mining, Object-Oriented Analyses and design, Internet Programming, System Development using 4gl, Simulation, Information Retrieval Systems, User Interface Design and Programming, Software Project Management, Information System Infrastructure, Decision support systems, Decision Analyses, Project Management, Database Management Systems, Graduation project.

Supervision of master thesis:

1. **“Software Development Process Improvement for Small Palestinian Software Development Companies”**. Asem Isawi, Program : Engineering Management, 2011.
2. **“E-banking Adoption Model in Palestine”** Student: Ahmed Khrewesh, Program : Engineering Management, 2011.
3. **“Opportunities and Challenges of Open-source Initiatives in the Palestinian e-Government Program”** Student :Fadi Souqia, Program : Engineering Management, 2011.

4. **“The Impact of IS/IT strategy and business strategies alignment on business performance in the Palestinians firms”** Student: Mohammad Helaly, Program : Engineering Management,2012.
5. **“Impact of Information and Communication Technology on Healthcare in Health Centers in Palestine.”** Student : Said Ibrahim, Program : Engineering Management, 2013.
6. **“Introducing Agile Software Development Methodology (Scrum) into a Software Development Project at a Local Firm ”** student : Adham “Mohammad Wasfe” Hannoun, 2013

Other Experiences:

- I participated in opening of master of “Advanced Computing” at AnNajah national university. Year 2013.
- Founder member of “Center of Excellence in Learning and Teaching (CELT)” at AnNajah National University. Year 2011.

E-learning experience:

- I have participated in e-learning project called LIT, during the project I developed “internet programming” course as blended using Moodle system.
- TOT at **Center of Excellence** in Learning and Teaching: I have designed and facilitated some workshops about using technology in teaching and learning.
- Developing and teaching “Algorithms Applications” as blended course.

Scientific Publications

Year	Paper
2002	B. Abdalhaq,A. Cortés,T. Margalef and E. Luque, “<u>Evolutionary Optimization Techniques on Computational Grids</u>” , April 2002, International Conference of Computational Science proceedings/ICCS, 2002, Amsterdam, The Netherlands, PP. 513-522.
2002	B. Abdalhaq,A. Cortés,T. Margalef and E. Luque, “<u>Optimization of parameters in forest fire propagation models</u>” , Forest Fire Research & Wild-land Fire Safety 2002,abstract P.114 full paper on CD.
2002	B. Abdalhaq. A. Cortés, T. Margalef. and E. Luque, “<u>Optimization of Fire Propagation Model Inputs: A Grand Challenge Application on Meta-computers</u>” , August 2002,8th International Euro-par Conference Paderborn, Germany, pp. 447-451.
2003	B. Abdalhaq. A. Cortés, T. Margalef. and E. Luque, “<u>Accelerating optimization of input parameters in wild-land fire simulation</u>” , 7-10 September 2003, Fifth

	International Conference on parallel processing and applied mathematics, Czestochowa, Poland. LNCS 3019.
2003	B. Abdalhaq. G. Bianchini. A. Cortés, T. Margalef. and E. Luque, “ <u>Improving convergence speed of optimization of input parameters in wild-land fire simulation</u> ”, 15-17 September 2003, XIV Jornadas de Paralelismo. 15-17 septiembre 2003, Leganés-Madrid, pp. 337.
2003	B. Abdalhaq. G. Bianchini. A. Cortés, T. Margalef. and E. Luque, “ <u>Improving convergence speed of optimization of input parameters in wild-land fire simulation</u> ”, 15-17 September 2003, XIV Jornadas de Paralelismo. 15-17 septiembre 2003, Leganés-Madrid, pp. 337.
2003	B. Abdalhaq. G. Bianchini. A. Cortés, T. Margalef. and E. Luque, “ <u>Improved Wild-land Fire Prediction on MPI Clusters</u> ” September / October 2003, 10th European PVM/MPI User Group Meeting Venice,Italy. pp. 520-528.
2004	B. Abdalhaq. G. Bianchini. A. Cortés, T. Margalef. and E. Luque, “ <u>Accelerating Wildland Fire Prediction on Cluster Systems</u> ”, June 6-9, 2004,International Conference on Computational Science, Part II (volume number LNCS 3037) PP.225.
2006	B. Abdalhaq. G. Bianchini. A. Cortés, T. Margalef. and E. Luque, “ <u>Between Classical and Ideal: Enhancing Wildland Fire Prediction Using Cluster Computing</u> ” Cluster Computing (2006) 1386-7857 (Print) 1573-7543 (Online) Volume 9, Number 3 / July, 2006 pp 9:329-343 Springer Netherlands http://www.citeulike.org/article/969565
2008	<u>العوامل المؤثرة على استخدام تكنولوجيا المعلومات في العملية التعليمية في المدارس الثانوية في شمال فلسطين</u> **, و اسماعيل ياسين* 1063- 1097 :الصفحات 2008 4 22 “ <u>Factors affecting information technology adoption for learning in Palestinian schools (using TAM)</u> ”, An-Najah National University jornal vol 22:4, pp 1063-1097.
2011	" <u>Application of Genetic Algorithm for Synthesis of Large Reversible Circuits using Covered Set Partitions</u> ", Maher Hawash, Baker Abdalhaq, Amjad Hawash, Marek Perkowski The Fourth IEEE International Symposium on Innovation in Information Communication Technology (ISIICT 2011). Amman, Jordan. November 2011. pp(131-136)
2014	“ <u>Genetic vs. particle swarm optimization techniques for traffic lights signal timing</u> ” Rami Abushehab , Baker Abdalhaq, Badi Sartawi , 2014 6th International Conference on CSIT, ISBN:987-1-4799-3999-2.
2014	“ <u>Using Meta Heuristic Algorithms to Improve Traffic Simulation</u> “ Baker Abdalhaq, Maher Abu Baker, Journal of Algorithms and Optimization, Oct. 2014, Vol. 2 Iss. 4, PP. 110-128.

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