

CURRICULUM VITAE



Dr. Bassel ALKHATIB
PH. D. In Artificial Intelligence

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EDUCATION & Diploma:

1990/93 : Ph.D. in Computer Science from l'Université Bordeaux I (FRANCE)

" Etude et réalisation d'un système d'exploitation des connaissances,
Application au domaine de l'Automatique"

" Knowledge-Based System for Control Systems Design"

1988/89: Master in Computer Science from INPG-ENSIMAG (FRANCE)

1982/87: B.Sc. in Computer Science from HIAST (SYRIA)

ACADEMIC TEACHING & TRAINING EXPERIENCES and POSITIONS:

- Associated Professor at the Faculty of Information Technology Engineering - Damascus University (2007-2019).
- Associated Professor at the Faculty of Informatics –Al Sham Private University (2018-2019).
- Head of Informatics department at the Faculty of Informatics and Communication Engineering Faculty- Arab International University (AIU) (2014-2018).
- Web Master Director at the Syrian Virtual University-SVU (2008-2018).
- Head of the Artificial Intelligence department at the Faculty of Information Technology Engineering - Damascus University (2011-2015).
- Information Technology Center Director- Damascus (2007-2017).
- Tutor at Yarmouk Private University-YPU-Syria (2011-2014).
- Head of Information Technology department at the International University of Science and technology-IUST-Syria (2008-2011).
- Tutor at SVU (2005-2017).
- Tutor at AIU (2006-2008).
- Tutor at the Higher Institute of Business Administration- HIBA-Damascus (2002-2017)
- Senior Researcher at Studies and Scientific Research Center -SSRC (2001-2006).
- Tutor at the Higher Institute for Applied Sciences and Technology -HIAST-Damascus (1993-2007)
- UNDP Project National Consultant (2003)
- Head of Information Department at the SSRC -Damascus (2003-2004)
- Head of Decision Making Systems group at the SSRC -Damascus (1993-2003)

Languages:

English: fluent (reading, writing and speaking)

French: fluent (reading, writing and speaking)

Arabic: mother tong.

ACADEMIC & TRAINING COURSES TAUGHT:

- Programming Languages.
- Web Design.
- Web Programming.
- Mobile Programming.
- Databases.
- Information Retrieval.
- Data Mining.
- Visual Programming.
- Algorithms and Data Structures.
- Artificial Intelligence.
- Expert Systems.
- Intelligent Search Algorithms.
- Knowledge-Based Systems.
- Formal Languages and Automata Theory.
- Compiler Design.

Programming Languages:

- .NET (C++, C# and VB)
- Php
- Android Studio
- ASP .NET
- Java
- JavaScript
- SQL Server
- Access Basic, Excel Basic
- Lisp, PROLOG

Main Teaching Experiences:

Al Sham Private University (2018..2019)

- Compiler Design
- Introduction to Algorithms
- Internet Technologies

IT Faculty- Damascus: (2001..2018)

- Artificial Intelligence
- Intelligent Search Algorithms
- Knowledge-Based Systems
- Machine Learning
- Compilers
- Data Mining

SVU- Damascus: (2006..2018)

- Web Design
- Web Programming
- Web Mining
- Information Retrieval
- Visual Programming

IUST- Damascus (2009..2011)

- Internet Technologies
- Programming in C#
- Data Structure and Algorithms
- Introduction to Artificial Intelligence
- Formal Languages and Automata Theory

AIU- Damascus (2006..2008, 2014-2018)

- Formal Languages and Automata Theory
- Internet Technologies
- Programming in C#
- Data Structure and Algorithms
- Introduction to Artificial Intelligence
- Expert Systems
- Information Retrieval
- Mobile Programming

Mechanical and Electrical Faculty-Damascus (2004..2006)

- Artificial Intelligence

HIBA- Damascus (2003..2018)

- Computer Architecture (1st year)
- Computer Applications (1st year)
- Algorithms and C# Language (2^{ed} year)
- Data Analysis (MIS)

HIASST- Damascus (1993..2013)

- Logical Programming and Expert Systems

SCS-Damascus, RCC, SBS (1995..2003)

- SQL Server

Books:

- Web Application Development (2015, SVU).
- Mobile Programming (2015, SVU).
- Events Driven Programming (2015, SVU).
- Object Oriented Programming (2015, SVU).
- Procedural Programming (2015, SVU).
- Computer Skills (2015, SVU).
- Career Preparation (2015, SVU).
- Web Applications (2008, SVU)
- Visual Programming (2008, SVU)
- Web Programming (2007, SVU).
- Networks Programming Applications (2007, SVU)
- Artificial Intelligence (2006, Avicenna Open University).
- Artificial Intelligence (2003, FITE-Damascus).
- Intelligent Search Algorithms (2003, FITE-Damascus).
- Learning Visual Basic (RCC, 2001).
- Access Basic (RCC, 2001).

مجموعة من كتب الحاسوب للجمهور

دار الإعصار للنشر والتوزيع- عمان الأردن

<http://al-esar.com/portal/component/booklibrary/110/showCategory/67>

- الحاسوب والبرمجيات الجاهزة المهارات الأساسية عربي / إنجليزي Windows 7 – Office 2013
- الحاسوب والبرمجيات الجاهزة المهارات الأساسية عربي / إنجليزي Windows 7 – Office 2010
- الحاسوب والبرمجيات الجاهزة المهارات الأساسية عربي / إنجليزي Windows 7 – Office 2007
- مهارات الحاسوب المتقدمة Advanced Computer Skills Office 2010
- مهارات الحاسوب والانترنت Windows 7 - Office 2010

Main IT Projects Experiences:

Date	Place	Brief Description
2003	UNDP- MLA (Ministry of Local Administration)	UNDP Project National Consultant (2003, Project SYR/02/012, National Capacity Building for Disaster Management). Analysis and Development of Disaster Management Information System: This as an UNDP project for the MLA (Ministry of Local Administration). The first phase of this project has been achieved 15.04.2003.
1997-2015	Ministry of Higher Education- Syria	Main supervisor of "ALMOFADALEH" operations since 1997 at the Ministry of Higher Education: Design and implementation of students Databases and intelligent programs for student's enrollment in Syrian universities according to students marks and their choices while respecting the universities capacities.
1995-2018	Private Companies	Design and implementation of CRM (Customer Relation Management) softwares for many private companies (STARMIX, COMPUTEC, . . .).
1995-2015	Public, Private and Virtual Universities in Syria: FITE, HIBA, AIU, IUST, SVU.	Supervisor of more than 100 student's projects: DBs, GIS, Programming, Expert Systems, Web Applications, Mobile Applications,...
2014	Ministry of Finance	Design and implementation of Syrian employees system.
2013-2014	Ministry of Health	Design and implementation of Web-Based application for doctor's enrollment over Syrian hospitals in Syria.
2013	Ministry of Culture	Design and implementation of Web-Based application for data bases synchronization for Syrian museums.
2012-2013	Ministry of Culture	Design and implementation of Web-Based application for historical documents archiving and retrieving.
1996	Ministry of Health	National award for hospital managements software.

Main Experiences in France

1993-1994:

- * Vacataire à l'UFR de Physique, Université Bordeaux I
 - T.P d'informatique en DEA d'Automatique
- * Intervenant au CEA-INSTN
 - Conférence au DEA d'Automatique

1992-1993:

- * Vacataire à l'E.N.S.C.P.B
 - T.P d'informatique en 2ème année
- * Vacataire à l'UFR de Physique, Université Bordeaux I
 - T.P d'informatique en maîtrise
 - T.P d'informatique en DEA d'Automatique
- * Intervenant au CEA-INSTN
 - Conférence au DEA d'Automatique

Stages en France :

Juin90-Septembre90: Intervention chez BULL-Echirolles : Etude et réalisation d'un mini noyau UNIX pour la machine DPX2/200.

Juillet89-Septembre89: Ingénieur stagiaire chez CAP SESA INNOVATION (Meylan): Conception et réalisation d'un interface home/machine graphique pour un logiciel d'acquisition des connaissances, dans le cadre d'un projet ESPRIT.

The abstract of the Ph.D. Thesis:

In the first part of the thesis, the problem of modeling and representing knowledge is tackled. A generic model for this has been constructed which enabled us to build a flexible, evolutive, and maintainable knowledge base.

In the second part, we describe our application in automatic control.

Publications:

- (1) B. AlKhatib, D. Briman: Building a Herbal Medicine Ontology Aligned with Symptom and Disease Ontologies, (2018) *Journal of Digital Information Management (JDIM)*, 16(3).
http://dline.info/fpaper/jdim/v16i3/jdimv16i3_2.pdf
- (2) A. Alnahhas, B. AlKhatib, A. Omar: ENHANCING THE RETRIEVAL OF SOCIAL WEB-BASED ELEARNING CONTENT USING SEMANTICS EXTRACTED FROM DBPEDIA AND WORDNET ONTOLOGIES, (2018) *Journal of Theoretical and Applied Information Technology (JATIT)*, 96(12).
<http://www.jatit.org/volumes/Vol96No12/6Vol96No12.pdf>
- (3) B. AlKhatib, M. Kawas, A. Alnahhas, R. Bondok, R. Kannous: Building an Assistant Mobile Application for Teaching Arabic Pronunciation Using a new Approach for Arabic Speech Recognition, (2017) *Journal of Theoretical and Applied Information Technology (JATIT)*, 95(3).
<http://www.jatit.org/volumes/Vol95No3/3Vol95No3.pdf>
- (4) B. AlKhatib, O. Suleiman, M. Kawas: Using Geospatial Technologies in Building User-Friendly Interactive Marketing Platform, (2016) *International Review on Computers and Software (IRECOS)*, 11(8).
<http://www.praiseworthyprize.org/jsm/index.php?journal=irecos&page=article&op=view&path%5B%5D=19096>
- (5) B. Najeeb, B. AlKhatib: Integration Electronic Patients' Records with Open Life Sciences Datasets Using Semantic Web Tools, (2016) *International Review on Computers and Software (IRECOS)*, 11(5).
<http://www.praiseworthyprize.org/jsm/index.php?journal=irecos&page=article&op=view&path%5B%5D=18872>
- (6) K. Omar, B. Alkhatib, M. Dashash, F. Alhassan: The Implementation of using Medical Ontologies in Plagiarism Detection, (2016) *International Review on Computers and Software (IRECOS)*, 11(3).
<http://www.praiseworthyprize.org/jsm/index.php?journal=irecos&page=article&op=view&path%5B%5D=18693>
- (7) Issa Alkaht, Bassel ALKHATIB : Filtering SPAM Using Several Stages Neural Networks, (2016) *International Review on Computers and Software (IRECOS)*, 11(2), pp. 123-132.
<http://www.praiseworthyprize.org/jsm/index.php?journal=irecos&page=article&op=view&path%5B%5D=18437>
- (8) Bassel ALKHATIB, Eyad FAKHANE: Content Management in Semantic Web. *International Journal of Advanced Research in Computer Science & Technology (IJARCST 2015)*. Vol. 3, Issue 1 (Jan. - Mar. 2015).
<http://ijarcst.com/doc/vol3issue1/ver1/efakhane.pdf>

(9) Aidmar WAINAKH, Ahmad WABBI, Bassel ALKHATIB: Design & Develop Misconfiguration Vulnerabilities Scanner for Web Applications. International Review on Computers and Software (IRECOS) 2014 (Vol. 9 N. 10).

<http://www.praiseworthyprize.org/jsm/index.php?journal=irecos&page=article&op=view&path%5B%5D=16367>

(10) خالد العمر، باسل الخطيب، ميسون الدشاش: كشف الانتحال في الأبحاث الطبية باستخدام الأنطولوجيات الطبية- مجلة جامعة تشرين للبحوث والدراسات العلمية. المجلد 38 العدد 1 عام 2016.

(11) علاء الخطيب، باسل الخطيب: المحاكمة والاستدلال في الويب الدلالي- مجلة جامعة البعث للعلوم الطبية والهندسية. المجلد 36 عام 2014.

(12) Bassel ALKHATIB, Mohammad Wahab ALMOUQDAD: User Adaptive E-Learning System. DOI: 10.5176/2251-1814_EeL14.28. 4th Annual International Conference on Education and e-Learning (EeL 2014).

https://www.researchgate.net/publication/269203288_User_Adaptive_E-Learning_System

(13) Bassel ALKHATIB , Ammar ALNAHHAS, Firas ALBADAWI: A New Method for Measuring Text Similarity in Learning Management Systems Using WordNet. International Journal of Web-Based Learning and Teaching Technologies, 9(2), 1-13, April-June 2014 1.

<http://www.igi-global.com/article/a-new-method-for-measuring-text-similarity-in-learning-management-systems-using-wordnet/113269>

(14) Bassel ALKHATIB , Mouhamad KAWAS: Best Practices to Increase the Performance of Web-Based Applications. International Journal on Information Technology (IREIT) -July 2013 (Vol. 1 N. 4).

<http://www.praiseworthyprize.org/jsm/index.php?journal=ireit&page=article&op=view&path%5B%5D=13457>

(15) Bassel ALKHATIB , Ammar ALNAHHAS, Hadi EZZIDEEN: Building Automatic Web Customer Profiling Service. International Review on Computers and Software (IRECOS) June 2013 (Vol. 8 N. 6).

<http://www.praiseworthyprize.org/jsm/index.php?journal=irecos&page=article&op=view&path%5B%5D=12977>

(16) Khaled OMAR, Bassel ALKHATIB, Maison DASHASH: The Implementation of Plagiarism Detection System in Health Sciences Publications in Arabic and English Languages. International Review on Computers and Software (IRECOS) April 2013 (Vol. 8 N. 4).

<http://www.praiseworthyprize.org/jsm/index.php?journal=irecos&page=article&op=view&path%5B%5D=12311>

(17) Bassel ALKHATIB, Ammar ALNAHHAS: Decision Support System For Crisis Management Using Temporal Fuzzy Logic. 2012 6th International Conference on APPLICATION of INFORMATION and COMMUNICATION TECHNOLOGIES (AICT) AICT2012. 17-19 October 2012, Tbilisi, Georgia. , Appeared in IEEEExplore Digital Library:

https://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6398525&url=http%3A%2F%2Fieeexplore.ieee.org%2Fexpls%2Fabs_all.jsp%3Farnumber%3D6398525

- (18) Bassel ALKHATIB, Mouhamad KAWAS, Wajdi BSHARA, Mhd. Talal KALLAS: Ontology-Based Semantic Context Framework (OBSC) For Arabic Web Contents. Third International Symposium on Web Services, Dubai, UAE (2010).
www.zu.ac.ae/wss/presentations/Al-Khateb-OBSC.docx
- (19) Bassel ALKHATIB , Ali Rekmani, Michel Al-Maqdissi : ALISAR : an Auto Learning Intelligent System for Archaeological Recognition, XII International Conference on Systems Science, Vol. III pp. 323-330 Wroclaw-Poland (1995).
www.gbv.de/dms/tib-ub-hannover/213889137.pdf
- (20) Bassel ALKHATIB, B. Bergeon, JL. Ermine, CM. Falinower, M. Monsion : Knowledge Based System for Control Law Design : Proceeding of the Third International Conference on Artificial Intelligence Applications, Cairo-Egypt (1995).
- (21) Bassel ALKHATIB, B. Bergeon, JL. Ermine, CM. Falinower, M. Monsion : SECOA: Système d'Exploitation des Connaissances en Automatique, 9ème congrès Reconnaissance des Formes et Intelligence Artificielle (RFIA'94), Vol. 2, Paris (1994).
- (22) Bassel ALKHATIB, B. Bergeon, JL. Ermine, CM. Falinower, M. Monsion : A second generation expert system for control design, 12th world congress International Federation of Automatic Control (IFAC'93), Vol.4, pp. 375-379, Sydney, Australia (1993).
- (23) Bassel ALKHATIB, B. Bergeon, JL. Ermine, CM. Falinower, M. Monsion : Generic Knowledge Based System for Design Analysis of Control Law for Industrial Process, 4th symposium on Expert Systems Applications to Power systems (ESAP'93), Melbourne, Australia (1993).
- (24) Bassel ALKHATIB, B. Bergeon, JL. Ermine, CM. Falinower, M. Monsion : Generic Expert System for Control Design, 4th International Conference on Artificial Intelligence and Expert Systems Applications (EXPERTSYS'92), Paris, Technology Transfer Series, A.Niku-Lari Editor, pp.273-278. (1992).
- (25) Bassel ALKHATIB, B. Bergeon, JL. Ermine, CM. Falinower, M. Monsion : SECOA: A Knowledge-Based System for Control Design, Proceedings of the second International Conference on Automation, Robotics and Computer Vision (ICARCV'92), pp. CO-7.7.1-CO-7.7.5, Singapore (1992).

Hobbies:

Swimming (The golden cup of "24 heures de natation", Talence-FRANCE 1992)

Tennis.