Dr. Eng. Ahmad ALKHODRE
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Curriculum Vita

Degree course

2010	Associated professor
2008	HDD habilitation of **Doctoral Driving** – ILMENAU university **Germany (English)**
2003-2004	PhD thesis in computer sciences at the INSA de Lyon (Institute National des Sciences Appliqués de Lyon in France), research at CITI laboratory, in communicating embedded system team (CES).
2000-2002	PhD thesis in computer sciences starts in October 2000 at the INSA de Lyon (France). Research in industrial informatics engineering laboratory (L3i)
1999	Master in computer science in Lyon (ISCE-Informatique et Systèmes Coopératifs pour l'Entreprise - EDIIS Lyon)
1995-1997	Military service
1990-1995	Diploma in computer science engineering, faculty of electric and electronic engineering at Aleppo university-Syria.
1990	Science Baccalaureate

Administration

2015 academic and scientific affaire supervisor of computer college in IU.
2014 chairman of information technology department, Islamic university.
2012 Vice Dean of Community college, Taibah University
2010 – 2012 Head of computer science and information technology department
2007-2009 Vice dean of Informatics faculty for scientific and research affaires
2006-2007 Vice dean of Informatics faculty for administration and student affaires
2005 -2006 Head of Programming Laboratory

Project management

Since 2004	General manager of Jabco (just activate your job) company, Homs, Syria many projects **MIS** (management information systems), **HIS**(Hospital Information System), eLearning systems, www.Jabco-sy.com

Consultation

2007	HIS, Networking
2008	MIS, GIS Sheikh Najjar Industrial city

Conference committee

2005	scientific, preparation and organization of eHealth conference organized between Syrian and German researchers, 2-5 June 2005
2007	Second Open source software COLLOQUY – Aleppo Organized between, AUF , university of Aleppo and SCS (Syrian computer society) Financial fund organizer Scientific committee 14-15 November 2007
2008	Open source information system COLLOQUY – Aleppo 21-22 November 2008
2008	First Syrian engineering conference. 2-5 November 2008
2009	Scientific committee member of learning colloquy hold at Aleppo – Syria.

Researches and stages

2008	HDD stage in Ilmenau University (3 months) in IHS (integrated hardware software group)
2000-2004	PhD thesis supervised by Jean-Jacques Schwarz and Jean-Philippe Babau on the theme of real time embedded system development methodology based on SDL and IF languages in the CES team L3i laboratory then in CITI laboratory in INSA de Lyon (France)
2001	NSA de LYON (a week) Enterprise management stage

2001	Stage (15 days) in PAVIA university en Italy, European project about Shape Description via Fourier analysis. ERASMUS Intensive Program 2001 Pavia, http://vision.unipv.it/IP2001/report/Four-an.doc
2000	DEA Stage (4 months) supervised by Jean Jacques Schwarz and Jean Philippe Babau about graphical programming for concurrent applications based on Windows NT.
1994	Stage of graduation (9 months) at computer sciences department in university of Aleppo: programming and manufacturing of robot arm based on Intel 8086 processor

Publications and research (see details in annex)

Conferences	8 international conferences with reader comity and proceeding publication acts.
Workshop	2 international workshops with reader comity and proceeding publication acts.
Local Workshop	8 Syrian workshops with reader comity and proceeding publication acts.
International Journals	1 article published in IEE Computing and Control Engineering Journal August 2002 Volume 12, N° 4 1 science direct
Local journals	9 articles published in scientific research journal since 2008.
Book	1 article published in System on Chip Design Languages. P. 257-265 ISBN 1- 4020-7046-2.
International Colloquium	1 article in national colloquium with reader comity and proceeding publication acts, CNAM- Paris.

Supervisor

Teaching

2012-till now	Associated professor at Islamic University -KSA
2010-2012	Associated professor at Taibah University -KSA
2004-2010	Associated professor at Aleppo University / Albaath

	university (Informatics and Electric and Electronic Engineering Faculties
2004 -2010	Assistant Professor in Franco-Syrian Master Program, between INSA-Lyon and University of Aleppo
2003	Assistant - ATER university of LaRochelle – LaRochelle France
2004	ATER at UFR informatics university Claude Bernard – Lyon /France
1997– 1999	Assistant at Aleppo University

Teaching Details

Course name	(years of experience)	Description (what?)
Software engineering	6 years	This topic contains three modules (SE1,SE2. SE3) taught for student third, fourth and fifth years in undergraduate level respectively. Each module is for one semester (6 hours per week *1 4weeks) These courses survey Software engineering from definitions and concepts passing by UML until Design Pattern.
Information system	6 years	This topic contains two modules (IS1,IS2) taught for, fourth year student in undergraduate. Each module is for one semester (6 hours per week *1 4weeks) These module handle with Information System Analysis and Design
Real time system	6 years	This course is 6 hours per week *1 4weeks where real time system concepts, analysis, design and implementation using C/VxWorks are treated.
Compilers	5 years	This course is 6 hours per week *1 4weeks. We handle in this course

Embedded system	4 years	Compilers design and implementation using Lex and Yacc. This course is 4 hours per week *1 4weeks. We handle in this course Embedded system design and Modeling using SystemC.
Programming 1	2 years	Java
Web programming	3 years	HTML, CSS, JavaScript ,PHP MySQL

Supervision

Phd students	**2 Ph.D. students** in software engineering- **syria** **1 Ph.D. student in Ad hoc wireless network** (university of ILMENAU – **Germany**)
Master students	**-** 6 graduate master students in computer science (software engineering – real time system – embedded system – eLearning - bioinformatics) - 4 master students (in preparation) in software engineering – embedded system – ad hoc wireless network –virtual reality.
Master	Assistant and technical supervisor of a master project (4th year), INSA de LYON CITI Laboratory telecommunications department. Co-supervision of 2 graduate projects at IUTA - informatics university of LYON-1 (COMPILER DOMAIN) Co-supervision of DEA- INPG Grenoble – France (MODELING Using SDL for a mobile robot)
Graduate project	More than 100 projects during the last 7 years

Informatics competence

Operating system	UNIX, Linux, Windows, VxWorks, OSEK Vdx, OSEK RT, iRMX
Programming Languages	C, C++, , C#, HTML, SQL, SDL,JAVA, JAVA Script, PHP
DBMS	Access, Oracle, MySQL, MS-SQL
modeling	UML, SDL, SA-RT, RdP.
Softwares	Word, Excel, PowerPoint
COMMUNICATION	Bus CAN, TTP, Adhoc
Validation	IF, CADP, UPPAAL

techniques
Compiler   Lex. and yacc.

Natural Language

English, French	Current
Arabic	Maternal
German	Concept

Most Recent Publications

I-communication list

[1]. Ahmad ALKHODRE, , Khatab Abdelhakim Jean-Philippe BABAU and Jean-Jacques SCHWARZ, Real-Time Systems development: *SDL and IF for specification.* IWSS 2004 International Workshop on Software, Istanbul, September 2004.

[2]. Jean-Philippe Babau, Ahmad Alkhodre *A development method for PROtotyping embedded SystEms by using UML and SDL (PROSEUS)* workshop SIVOEES 2001 – ECOOP, Budapest 2001

[3]. Ahmad ALKHODRE, Jean-Philippe BABAU and Jean-Jacques SCHWARZ, *Méthodologie de développement de systèmes embarqués temps réel basée sur le langage SDL*. L3I. CAO aura lieu les 15, 16 et 17 mai 2002 à Paris sur le thème «CAO de circuits et systèmes intégrés».

[4]. Ahmad ALKHODRE, Jean-Philippe BABAU and Jean-Jacques SCHWARZ, *Real time multitasking design based on SDL*, FDL2002, April 2002.

[5]. Ahmad ALKHODRE, Jean-Philippe BABAU, Jean-Jacques SCHWARZ, *Modélisation des systèmes embarquées temps réel à l'aide de SDL*, FDL 2001 septembre, Lyon

[6]. Ahmad ALKHODRE, J.Ph Babau, J.J Schwarz "*Modeling of Real-Time Constraints using SDL for Embedded Systems Design*" IEEE workshop, London, Decembre 2001.

[7]. Ahmad ALKHODRE, Jean-Philippe BABAU and Jean-Jacques SCHWARZ, *Programmation graphique (lacatre) d'application concurrentes basées sur NT*, rapport de DEA ISCE, Soutenu le, 12 Juillet 2000

[8]. Amroush, Fadi; Alkhoder, A.Baderddeen and Yusef, Talal (2008):*Moving to E-CRM in Arab world to increase profit, AqsaCRM a Case study of Building an Arabic E-CRM*. Accepted in: 1st International Engineering Sciences Conference IESC'08 No. 1(02. November 2008).

[9]. Amroush, Fadi; A.Baderddeen, Alkhoder and Yusef, Talal (2008): *Using Artificial intelligence to select the optimal E-CRM Basedbusiness needs*. Accepted in: International Engineering Sciences Conference IESC'08 No. 1st (02. November 2008).

[10]. Ahmad ALKHODRE, Fadi Amroush, *Applying Case-Based Reasoning in Decision support systems for Software products Selection*. ICIST 2011, Tebessa April 24-26, 2011.

II - articles (journals and book)

[11].   Ahmad ALKHODRE, Jean-Philippe BABAU and Jean-Jacques SCHWARZ, *Modelling of Real-Time Embedded Systems using SDL*", System on Chip Design Languages, publié par Kluwer 2002

[12].   Ahmad ALKHODRE, Jean-Philippe BABAU and Jean-Jacques SCHWARZ, *Modelling of Real-Time Constraints using SDL for Embedded Systems Design*" IEE Computing and Control Engineering Journal, Augustus 2000.

[13].   Alkhodre A. "*Novel Approach to Build Software Using MDA*", Aleppo University, research engineering journal, Nov, 2009.

[14].   Alkhodre A, Abousaleh N. "*Software Cost Estimation by using Artificial Intelligence*", albaath engineering research journal, February 2010

[15].   Alkhodre A. "*Novel Approach to Build Software Using MDA*", Aleppo University, research engineering journal, Nov, 2009.

[16].   Alkhodre A and all "*Compiler for real time system Verification: from C/VxWorks to IF*", Aleppo University, research engineering journal, September, 2009

[17].   Alkhodre A, Najjar Y "*Evaluating learning levels in e-learning*", Aleppo University, research engineering journal, June, 2009

[18].   Alkhodre A and all, "*inhomogeneous data base merging and migration: Oracle and MySql*", Aleppo University, research engineering journal, march, 2009

[19].   Alkhodre A, Amroush F, *software evaluation system building using case Based Reasoning CBR*, Aleppo University, research engineering journal, march, 2009, v. 62.

[20].   Alhamid M, Alkhodre A and all, "Semantic Rules Extraction using Data Mining", Aleppo University, research engineering journal, October, 2012.

[21].   Alkhodre A and all,Designing a Database for Extracting Semantic Rules Using Data Mining, Aleppo University, research engineering journal, May , 2013

[22].   Alkhodre A, Bouchi A, Halima El-Shabani, using web service for facilitate distributed systems,

[23].   Halla Mulki Dr. A.B.Alkhodre Dr. Amer Bouchi Muhammad Aman Mulki, "Python Distributed computing to solve DNA Fragment Assembly Problem" Aleppo University, research engineering journal, march, 2010, v. 90.

[24].   Alkhodre A and all, "Semantic Rules Extraction from a Database using Data Mining", Scientific Journal of King Feisal, 2013

[25].   Mohammad Husain, Ahmad Alkhodre, Turki Alghamdi, "Documents from Heterogeneous Databases using Expanded", Volume. 22, Issue. 3 of 'Wulfenia' Journal, 2015.

[26].   Turki Alghamdi, Mohammad Husain and Ahmad Alkhodre, "A Novel Approach for Filtering Appropriate Document from Most Relevant Query Term", MAGNT Research Report (ISSN. 1444-8939), Vol.3 (4). PP: 359-367, 2015.

[27].   Ahmad Al-Khoder, Hazar Harmouch," Evaluating four of the most popular Open Source and Free Data Mining Tools", IJASR International Journal of Academic Scientific Research ISSN: 2272-6446 Volume 3, Issue 1 (February - March), PP 13-23

[28]. HA FADHIL, AB ALKHODRE, H ALYOUSEF, "DEVELOPING A HIGH PERFORMANCE REAL TIME PEOPLE DETECTION SYSTEM", Journal of Theoretical and Applied Information Technology 78,2015

[29]. Hilal Adnan Fadhil, Ahmad Alkhodre, Haitham Mohammed Kulal Alyousef, "Robust and Sensitive Video Motion Detection for security purpose analysis", Journal of Information Sciences and Computing Technologies; Vol 1, No 1: JISCT, 2015-01-09

[30]. Dr. Ahmad B. Alkhodre , Dr. Mostafa Mahmoud, "Develop a mobility model for MANETs networks based on fuzzy Logic", IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 17, Issue 6, Ver. I (Nov – Dec. 2015), PP 01-11 2.

[31]. Ahmad B. Alkhodre, Hybrid fuzzy social mobility model, Karbala International Journal of Modern Science, Available online 6 January 2016, ISSN 2405-609X, http://dx.doi.org/10.1016/j.kijoms.2015.12.004.(http://www.sciencedirect.com/science/article/pii/S2405609X15300853)