

Summary Of Ahmed ARARA CV

I am currently an associate professor at Univesity of Tripoli (UoT)-College of Engineering at Computer Engineering Department. I received my PHD with high honor from the University of Lyon 1, Lyon, France in heterogeneous information system integration, an MS degree from Eastern Michigan University, USA in IT technology and a BS in Electronic Engineering from University of California, Davis USA. In the academia, I have taught variety set of courses to name only few: Software Engineering, databases, operating systems, system programming,...etc. In research, I have published several research papers in national and international conferences.

With respect to industry, I worked as a maintainance engineer in communication and RADAR systems. I, also, worked for several years as an IT engineer in the field of remote sensing and GIS technology.

I have participated in several Libyan national projects in IT, namely the National ID project and in the analysis of social security fund system requirements. My consultancy work in several applications, gives me big asset in dealing with complex technical IT problems. My main interest is information systems integration and database design.

Ahmed ARARA



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EDUCATION

2001_2005 PhD in Computer science, Laboratoire d'Infomatique en Image et Systemes d'information (LIRIS)-FR-2672 CNRS/INSA de Lyon/Universite' Lumiere Lyon 1, Lyon INSA de Lyone.

2000_2001 Intensive French course, CAVILAM, Vichy, France.

1980_1983 Master of Science degree (MS) in information technology, Eastern Michigan University, USA.

1970_1975 Bachelor of Science in Electrical Engineering, University of California Davis, USA.

PROFESSIONAL EXPERIENCE and Activities

2007-2018 Associate professor at University of Tripoli, College of Engineering, Computer Engineering Department.

Consultant for the national NID project in Libya.

2005-2007 lecturer at University of Zawia, Libya.

Consultancy in geospatial information quality.

Participation in the GIS Portal of data in Libya, customizing Metadata standards.

1995-2000 System analyst of conventional information systems (pay roll, personal filing System, etc.), and systems analysis in the domain of Remote Sensing and Geographic Information Systems Applications-Remote Sensing Center-Tripoli-Libya.

1995-2000 Lecturer at University of Zawia,Libya.

1989-1990 Graduate student at large in the department of computer science-University of Ottawa, Canada.

1984-1989 Lecturer: University of Tripoli, Libya.

1975-1979 Maintenance Engineer: Department of Communication ,Tripoli, Libya.

INTEREST

Sports (Jogging, swimming, etc.), social activities...

COMPUTER PROGRAMMING AND EXPERIENCE

Research Interest

My research interest is semantic interoperability of information systems integration, semantic Web, and ontology development methodologies. The subject of my PhD dissertation is to investigate the multi-representation ontologies as an approach to integrate heterogeneous information sources in a specific domain namely the urban domain.

Publications

International Conferences:

1. Publication 2018

Omar Shgeim, Ahmed ARARA, ElBahlul EIFGEEA, and Abduassalam Shlibek, "Analysis and Evaluation QoS of VoIP over WiMAX and 3g/UMTS Networks", LICEET 2018, Tripoli, Liby, 03-07-2018.

2. Publication 2015

Ahmed ARARA, ElBahlul EIFGEE, Mohamed BARGELAIL, "REQUIREMENTS OF INFORMATION ASSURANCE ontology-based framework of security management for e-payment networks", IIE 2015 Bangkok Conference, April 20-21, 2015, Bangkok(accepted).

3. Publication 2014

ElBahlul EIFgeea, Ahmed ARARA, "Technical Requirements of New Framework for GPRS Security Protocol Mobile Banking Application", Science Direct Procedia, Computer Science00 (2014) 000–000, Available online at www.sciencedirect.com.

Ahmed ARARA, Adel SMEDA, and Ismail ELLABIB, "Searching and Analyzing Arabic Text Using Regular Expressions e-Quran Case Study", international journal on Advanced Computing and Information Technology (IJCACIT'14) Jan. 1-2, 2014 Bangkok (Thailand).

4. Publication 2013

Adel Smeda and Ahmed Arara, "Enhancing Security and Availability of E-Documenting Systems", International Conference on e-commerce, e-administration, e-society, e-education and – technology, April 3-5, 2013, kitakyushu, Japan.

Ahmed A. Arara and Amel Hijazi, "Enterprise Knowledge model for Legacy database applications using protégé Case study of Libyan dates (Tomour) industry", 3rd International Conference on Emerging Trends in Computer and Image Processing (ICETCIP'2013) January 8-9, 2013 Kuala Lumpur (Malaysia).

5. Publication 2011

Ahmed Arara, "The role of Contextual ontologies in Enterprise modeling ", WASET September 28-30 2010, Amsterdam, Netherlands.

Ahmed Arara, Salma Ali, "Metadata-driven Querying Tool FOR MS SQL applications", **International Conference** on Emerging Trends in Computer and Image Processing (ICETCIP'2011) Bangkok Dec., 2011.

6. Publication 2010

Ahmed Arara, "The role of Contextual ontologies in Enterprise Modeling ", WASET September 28-30 2010, Amsterdam, Netherlands.

Ahmed Arara, "The role of contextual Ontologies in Enterprise Modeling", World Academy of Science, Engineering and Technology 70 2010.

7. Publication 2007

Ahmed Arara, Waleed Soliman, and Abdullarrahan Elbuni " Libyan Geospatial Metadata Standard", draft 2007. Prepared for Libyan Post, February 2007.

8. Publication 2006

Ahmed Arara, G.Falquet, Z.Maamar, T.Thiran, F.Gargouri,"Contextual Ontologies : Motivations, Challenges, and Solutions", D.Benslimane, in Proc. Advances in information Systems Conf.,Izmir,Oct.2006.

9. Publication 2005

Ahmed Arara, Robert Laurini."Formal Contextual Ontologies For Intelligent information systems", accepted in WEC'05, the Third World Enformatika Conference, April 27-29, 2005, Istanbul, Turkey.

Ahmed Arara Djamal Bensliman, "systems d'information cooperatives: Etat de l'art ", GEI2005, Cinquiemes Journees Scientifiques de Jeunes Chercheurs en Genie Electrique, Universite de Sfax, Institute Francais de Cooperation,25-27 Mars 2005, Sousse-Tunisie.

10. Publication 2004

Ahmed Arara, Djamel Benslimane, "Multi-perspectives Description of Large Domain Ontologies", In Christiansen et al.(Eds.), Proc.of FQAS'2004,June 2004,Lyon,france.Lecture Notes in Artificial Intelligence 3055 Springer 2004,pp.150-160.

Ahmed Arara,Robert Laurini,"Towards a formalization of urban domain ontologies with multiple perspectives", in proceedings of the GIS research UK, 12th Annual Conference, University of East Anglia, Norwich,28th-30th rra, A.N.Benharkat," Multi-representation Ontology's in the Context of Enterprise Information systems ", in the proceeding of ACS/AMCIS'2004,New York ,NY , USA, August 2004.

R.Rifaieh,**Ahmed Arara** ,A.N.Benharkat, "Muro:a Multi-representation Ontology as a foundation of enterprise Information systems",accepted to CIT'04,to appear in LNCS-springer.

R.rifaieh, **Ahmed.Arara**,A.N.Benharkat,"A view of Enterprise information systems Based on contextual Ontologies",in the proceeding of IEEE international conference on computational Cybernetics,ICCC'04, Austria,August 2004.

11. Publication 2003

Djamal Benslimane, Christelle Vangengot, Cathrine Roussy, **Ahmed Arara**," multirepresentation in ontologies ", in the proceeding (Lecture Notes in Computer Science) of the 7th East-Europe Conference on Advances in database and information systems(ADBIS), p.4-15, September 3-6,2003, Dresden, Germany.

D.Benslimane ,C.Roussy,C.Vangenot,**Ahmed Arara** " Towards a Contextual content of ontologies", 14th international symposium on Methodologies for intelligent systems,ISMIS2003,p.339-343, Maebashi, Japan ,(28-31),2003.

Djamal Benslimane ,**Ahmed Arara**-" The multirepresentation ontologies: a contextual description logics approach ",in the

proceeding of the 15th Klagenfurt/Velden, Austria, 16-20 june,2003,CAISE forum short paper pub.springer-verlag.

Djamal Benslimane ,**Ahmed Arara**,"A Contextual Language Approach for multirepresentation ontologies " ,in the proceedings of the intelligent information systems (IIS), june2-5 2003,New trends in intelligent information processing and Web Mining-Zakopane, Poland, institute of computer science of the polish Academy of sciences, pub. In Springer.

Djamal Benslimane ,**Ahmed Arara**, kokou Yetongnon, Faiez gargouri, and Hanene Ben Abdallah," Two approaches for ontologies building: from-scratch and from existing data sources", in the proceedings of the 2003 international conference on information systems and engineering (ISE 2003),Montreal,Canada,july 20-25,2003.

Catherine Roussey, Djamal Benslimane ,**Ahmed Arara** ,christelle vangenot," La multirepresentation danse les ontologies",ISKO2003,4eme congres du chapitre francais de l'ISKO,03-04 jullet 2003,Grenoble,France.

12. Publication 2002

Ahmed Arara, Djamal benslimane," toward ontologies extraction from Terminologies",11 the international conference on intelligent systems: Emerging Technologies , July 2002 ,Boston, Massachusetts USA .

Ahmed Arara,Djamal benslimane, Towards Ontologies building: A Terminology based Approach, In:K.Yetongnon and M.Amin (Eds),Proc.of the 2nd IEEE ISSPIT, Marrakesh,maroco,December 2002,pp.11-16,IEEE publisher,ISBN 0-9727186-0-5.

National Conferences:

منشورات بالعربية Arabic Publications

1. " نقل تقنية البرمجيات " ، الندوة العلمية الثانية حول نقل التقنية (المشاكل و المعوقات) ، طرابلس /الجمهورية 25-26/1425 (1996 ف) .
2. " نحو متطلبات أفضل لقاعدة بيانات وطنية عبر شبكة الإنترنت " ، الندوة العلمية الرابعة_شبكات المعلومات_واقع وتطلعات ، طرابلس/الجمهورية 16-17/5/1998 ف
3. " دور الحاسوب في التعليم" ، على هامش فعاليات الندوة العلمية الثالثة " الحاسوب والتعليم" ، 14-16-1990 ف ، طرابلس/الجمهورية .
4. أ. لطفي الهويجي و د. أحمد عرعاره، " مراجعات علمية حول دور برمجيات المصادر المفتوحة في التعليم "، مجلة دورية علمية محكمة تعنى بشؤون التعليم والتدريب التقني- المجلد الثاني والعشرون، العدد الثاني، هانيبال (أغسطس)، 2010م .

References: upon request

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