

Menaouer BRAHAMI – CV Detailed

Associate Professor, National Polytechnic School of Oran - Algeria

Head of Systems Engineering Department

Algerian Nationality

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Academic Training

- May 2018 • **HDR in Computer Science** in Computer Science Department, at the University of Sciences and Technology of Oran - Mohamed-Boudiaf (USTO-MB)
- May 2014 • **PhD in computer science**, University of Oran (Algeria).
Theme: Conception and Experimentation of a new Boolean method of knowledge management guided by the results: medical Applications.
Place & PhD supervisor: Department of Computer Science, University of Oran.
- June 2007 • **Magister in computer science**, University of Oran (Algeria).
Theme of Internship: Knowledge sharing devices for a knowledge management approach: case of the SONATRACH oil group.
Place & Supervisor: Computer Science Laboratory of Oran (LIO) of University of Oran.
- Nov. 1999 • **Computer Engineer** of University of Oran (Algeria).
Theme of Internship: Conception and realization of a Web interface for University of Oran – Good enough Mention.
Place & Supervisor: Center of Computer Resource – University of Oran.
- June 1991 • **Baccalaureate of Secondary Education**, Mostaganem (Algeria). Field of study: Natural Sciences.

Professional Certificates

- Nov 2014 • **Training in Reference of skills** in as part of a cooperation project **ALGERO-FRENCH «Mixed Schools Network (RME)»**, National High School of Hydraulics (ENSH) November 29, 2014, Blida.
- Fev 2013 • **Training in Project Management**, University of Technology of Troyes (UTT), February and March 2013.
- Jan 2007 • **Training on line « E-Learning »:** A certification training on the platform « **E-Charlemagne SA** », is a tool of (*Communication, Pedagogical creating, Pedagogical monitoring and management*).
- June 2002 • **Administration of System and networks under LINUX:** A training certification (Teacher training in information technology: TRANSFER-TLEMCEN), June 22 to 26. 2002
- Dec 2003 • **Creating dynamic websites (PHP/ MYSQL):** A training certification (Teacher training in information technology: TRANSFER- ORAN), December 13 to 17. 2003.

Scientific Activities

Publications in journals with reading committees

- Mars 2020
- Brahami, M., Sabri, M., and N. Matta, 2020. ***Towards a Model to Improve Boolean Knowledge Mapping by Using Text Mining and Its Applications: Case Study in Healthcare***, International Journal of Information Retrieval Research (IJIRR), 10(3), 40-58.
- Nov 2019
- Brahami, M., and N. Matta, 2019. ***The Relationship between the Knowledge Mapping and Open Innovation Process: The Case of Education System***, Artificial Intelligence for Engineering Design, Analysis and Manufacturing (AIEDAM), 33, 1-13.
- Mars 2018
- Brahami, M., and N. Matta, 2018. ***A model to reduce the Risk of Projects guided by the Knowledge Management Process – Application on Industrial Services***, International Journal of Information Systems in the Service Sector (IJISS), 10(2), 1-15.
- Oct 2015
- Menaouer Brahami, Baghdad Atmani and Nada Matta, An Approach to Dynamic Fusion of the Knowledge Maps of an Activities Process: Application on Healthcare, **International Journal of Information Systems in the Service Sector**, Volume 7 Issue 4, October 2015, ISSN: 1935-5688, Pages. 1-25.
- Mai 2015
- Menaouer Brahami, Semaoune Khalissa, Benziane Abdelbaki, and Touati Abdelhamid, An approach of support innovation guided by knowledge capitalization: Application on FERTIAL, 4th International Conference on Leadership, Technology and Innovation Management, **Journal of Procedia - Social and Behavioral Sciences, Elsevier**, Volume 181, 11 May 2015, Pages 197-206.
- March 2013
- Menaouer Brahami, Baghdad Atmani and Nada Matta, Dynamic knowledge mapping guided by data mining: Application on Healthcare, **Journal of Information Processing Systems** (ISSN: 1976-913X (Print), ISSN: 2092-805X (Online)), Volume 9, N°1, March 2013, Page: 1 ~ 30.
- May 2013
- Menaouer Brahami, Baghdad Atmani and Nada Matta, Using rules to enhance evolution of knowledge mapping: Application on Healthcare, **International Journal of Computer Science Issues (IJCSI)**, Volume 10, Issue 3, May 2013.
- June 2013
- Menaouer Brahami, Baghdad Atmani and Nada Matta, Knowledge mapping evolution guided by data mining, **International Journal of Computer Applications (IJCA)**, ISSN: 0975-8887, Volume 72,26 Juin 2013.

International conferences with proceedings and Reviewing Committees

- Jun2020
- Communication in the framework of **18th International Conference On Smart Living and Public Health (ICOST 2020)**, Entitled “A Hybrid Approach for Heart Disease Diagnosis and Prediction Using Machine Learning Techniques”, 24th - 26th June 2020 in Hammamet (Tunisia).
- Feb 2015
- Communication in the framework of **6th. International Conference on Information Systems and Economic Intelligence (SIIE'2015)**, Entitled “The Relationship between Knowledge Management and Innovation

- process in FERTIAL company”, February 12 th., 13 th. and 14 th. 2015 in Hammamet (Tunisia).
- Feb 2015 • Communication in the framework of **6th. International Conference on Information Systems and Economic Intelligence (SIIE’2015)**, Entitled “Integration of the knowledge management process into risk management process – Moving towards actors of project approach”, February 12 th., 13 th. & 14 th. 2015 in Hammamet (Tunisia).
 - Oct 2014 • Communication in the framework of **5th Management colloquium of Organizational Technologies (MTO’2014)**, Entitled “Towards a knowledge-sharing mechanism via digital networks guided by communities of practice and knowledge mapping: case of ATM Mobilis - Algeria, October, 2nd & 3rd. 2014, School of Mines of Ales, Nimes, France.
 - Nov 2014 • Communication in the framework of **4 th International Conference on Leadership, Technology, Innovation and Business Management (ICLTIBM’14)**, Entitled “Towards a new approach of support innovation guided by knowledge management: Application on FERTIAL”, November 20-22, 2014 Istanbul-Turkey.
 - Jan 2010 • Demonstration of software as part of **10th conference of Extraction and Knowledge Management (EGC2010)**, Entitled “CARTOCEL: a knowledge mapping tool guided by CASI“. Hammamet, Tunisia, January 27 to 29. 2010. Published in the RNTI journal (Journal of New Information Technologies), Edition Cépaduès, 2010.
 - May. 2009 • Communication in the framework of **AFIA’09 platform**, Entitled “Towards a visual data mining by cellular automata: application to critical knowledge mapping ». Workshop "Learning and Visualization", Hammamet, Tunisia, May 25, 2009.
 - May. 2009 • Communication in the framework of **2nd Conference Francophone on "Knowledge Management, Company and Organization" (GECSO’09)**, Entitled “Towards a knowledge mapping guided by Data mining: 1st Boolean modeling step”. Management School Bordeaux (BEM), Bordeaux, France, may 14 and 15. 2009. Published in the electronic journal Information, Knowledge, Decisions and Mediations (ISDM).

National conferences with proceedings and Reviewing Committees

- May. 2009 • Communication in the framework of **International Conference on Computer Science and its applications CIIA09**, Entitled « Towards a knowledge mapping guided by Data mining». University of saida, Department of Computer Science, Saida, Algeria, May 03-04. 2009.
- May 2006 • Communication in the framework of **International Conference on Computer Science and its applications CIIA06**, Entitled "Knowledge Management & Information System Case Study: Knowledge Transfer in oil trades ". May 15 & 16. 2006, University of Saïda – Saïda, Algeria.
- April 2005 • Communication in the framework of the study day **INFORUM 2006 (5th edition)** on the information management and knowledge management, Entitled « KM & Organizational Learning: interconnections and synergies » – April 11 & 12. 2006 in Sheraton of Oran, Algeria.
- June 2005 • Communication in the framework of **International symposium on management of training, competence and Human Resources**, Entitled «Convergence e-learning & Knowledge Management". June 2005,

Research & Teaching activities

▪ Research Interests – Strengths and Expertise Domains

Knowledge Management (KM)
Knowledge Engineering
Knowledge Mapping, Knowledge Visualization
Machine Learning
Deep Learning
Business Intelligence (BI)
Decision Support Systems
Project Management, Risk Management

• Teaching

1. Course coordinator: **Knowledge Engineering**, National Polytechnic School of Oran (ENPO), Algeria.
2. Course coordinator: **Geographic Information Systems**, National Polytechnic School of Oran, Algeria.
3. Course coordinator: **Project Management**, National Polytechnic School of Oran (ENPO), Algeria.
4. Course coordinator: **GED**, National Polytechnic School of Oran (ENPO), Algeria.
5. Course coordinator: **Representation and Reasoning on knowledge (*logic propositions and predicates*)**, National Polytechnic School of Oran, Algeria.

• Research projects

1. Research Associate in the project: **PRFU** intitled: **Tourism Development and Attractiveness Strategies in Algeria**, Code: **F01L01UN310320190001**, Agreement date: **01/01/2019**, Department of Commercial Sciences, Faculty of Economic Sciences, Commercial Sciences and Management Sciences, University of Oran2.
2. Research Associate in the PNR project: **A service oriented architecture for the expanded program on immunization**, Code: **12**, Responsible: **Pr. ATMANI Baghdad**, Establishment: **Computer Science Department**, University of Oran.
3. Research Associate in the project: **Pilotage system for real-time and Machine Learning**, Code: **B*01820060074**, Agreement date **01/01/2007**, Responsible : **Pr. ATMANI Baghdad**, Establishment : **Computer Science Department**, University of Oran.
4. Research Associate in the project: **Simulation, Integration and Data mining**, Code: **B*01820080016**, Agreement date **01/01/2009**, Responsible : **Pr. ATMANI Baghdad**, Establishment : **Computer Science Department**, University of Oran.

• Research Laboratory

1. Member of the **Applied Biomechanics and Biomaterials Laboratory (LaBAB)**, Research Team Leader: **Innovation of Systems and Apparatuses in Biomechanics (ISABio)**, National Polytechnic School of Oran (ENPO), Accreditation: 2013.
2. Member of the **Research on Euro-Mediterranean Economies Laboratory**

(LREEM), University of Oran 2 - Mohammed Ben Ahmed, Accreditation: 2002.

3. Member of the Computer Science Laboratory of Oran (LIO), Research team "**Production System and Knowledge Engineering (SDIC)**", Computer Science Department, Faculty of Exact and Applied Sciences, University of Oran 1 Ahmed Ben Bella, Accreditation: N°:222 of 13 July 2009.

- **Books and Books Chapters**

1. I participated in the writing of a book entitled: **Start-Ups and SMEs: Concepts, Methodologies, Tools, and Applications (3 Volumes)**, edited by Editor-in-Chief: Mehdi Khosrow-Pour, Information Resources Management Association, USA, Publisher: Business Science Reference (30 January, 2020), [ISBN: 9781799819097](https://doi.org/10.4018/978-1-7998-1760-4), DOI: 10.4018/978-1-7998-1760-4, <https://www.igi-global.com/book/start-ups-smes/234269>, Pages: 1700, Chapter 6: **A Model to Reduce the Risk of Projects Guided by the Knowledge Management Process: Application on Industrial Services (pages 86-101)**, Brahami Menaouer and Nada Matta.
2. I participated in the writing of a book entitled: **A State of the Human Resources Function in the Algerian Context**, edited by Prof. KHIAT Assya, Release Date: July 2015, Chapter 7: **Valuing and Developing Vector Competencies Of a talent management**, Semaoune Khalissa, Brahami Menaouer and Khat Assya.
3. BRAHAMI Menaouer, **BKMDM: Boolean Knowledge Management guided by Data Mining: Medical application**, Editeur: Presses Académiques Francophones (19 octobre 2016), Page 212, ISBN-10: 3838140524.

- **Academic Visits Abroad**

1. **Visited** University of Technology of Troyes (UTT) as visiting associate professor for collaborative research and delivered expert talk in Knowledge Management guided by Machine Learning in January' 2019, 2018, 2017, 2016.
2. **Attended** 5th International Conference on Control Engineering & Information Technology, (CEIT-2017) held at Sousse, Tunisia on December 17–19, 2017 and Presented the paper "**Epidemiological Knowledge Mapping since the Integrating Heterogeneous Data until the Service-Oriented Data Mining Platform**" by my colleague Dr. Sabri Mohammed.

- **Journal Editorial Board Member (Reviewer)**

[International Journal of Data Mining, Modelling and Management](#); [International Journal of Knowledge-Based Organizations \(IJKBO\)](#); [International Journal of Information Technology Project Management \(IJITPM\)](#); [International Journal of Healthcare Information Systems and Informatics](#);

- **Program Committees (Conferences & Workshops)**

1. [KMIS'20](#), [KMIS'19](#), [KMIS'18](#), [KMIS'17](#)
2. [EGCI-2019](#)
3. [ICAIT2020](#)
4. [DMA2020](#)
5. [DKMP2020](#)
6. [CDKP2020](#) ; [ICAITA2020](#);
7. [AIAP2020](#);

Professional Career

- Since dec 2006
nowadays
 - **Establishment:** Mathematics and Computer Science Department, National Polytechnic School of Oran – ENPO- (Ex. ENSET of Oran).
Functions: Research Professor – Teacher Researcher.
- May 2004 –
Dec 2006
 - **Establishment:** Cell of Information and Communication (CIC), University of Oran.
Functions: Responsible of Network & Maintenance and Improvement of the WEB page of the communication cell.
- Jan. 2003 –
May. 2004
 - **Establishment:** Center of Computer Resource (**CERIF**), University of Oran.
Functions: Chief of Center Computer Resource.
- Sep. 2002 –
Jan 2004
 - **Establishment:** Algeria Consulting International (ACI), Oran.
Functions: Network Engineer LAN & Web.
 - Implementation of any new facilities and modifications Networks.
 - Web Site Development (Algeria Website Consulting Inter,...).
- Oct. 2001–
2004
 - **Establishment:** Commercial Sciences Department, Faculty of Economics, Management and Commercial Sciences, University of Oran.
Functions: Associates Teacher in Computer science (Training in programming PASCAL language).
- Nov 1999 –
May. 2004
 - **Establishment:** Center of Computer Resource (**CERIF**), University of Oran.
Functions: Development and Networks Engineer.
 - Installing and Configuring Networks (Internet/Intranet).
 - Control and installation of IT Equipment.
 - Maintenance and Improvement of the WEB page of University (<http://www.univ-oran.dz>).
- Oct. 1999 –
Jun 2002
 - **Establishment:** Psychology and Education Department, Faculty of Social Sciences, University of Oran.
Functions: Associates Teacher in Computer science (Training in SPSS & EXCEL).

Others Qualifications

- Systems: MSDOS, WINDOWS 9.X/ME/2000/XP/Vista, WinNT 4.0, Windows 2000 Serveur, LINUX Mandrake 11.X, LINUX RedHat.
- Programming Language: Pascal language, C, C++, PHP, and JAVA (NetBeans).
- Office applications: MicroSoft Office 2007, XP, SPSS, Stat2000 and Office applications.
- Web development: MS FrontPage, codecharge 3.0, Navicat (sql), WEBExpert 2000, langage PHP, Bonne Connaissances d'HTML 4.0, Flash.
- Graphics applications : MindManager Pro 11, Publisher2000/XP, Corel Photopaint, ImageComposer, GifAnimateur, PictureIt, CorelDraw, Image Composer2000.
- English: read and spoken,
- Area of interest: Readings, Football and chess sets.