

CURRICULUM VITAE



Personal information

- *Personal*
 - Prof. Makhlof DERDOUR
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Education

- **Ph.D.'s degree** in computer sciences **Option:** Networks and information systems
- **Magister's degree** in Computer sciences **Option:** advanced information systems
- **Engineer's degree** in computer sciences **Option:** advanced information systems

Functions and Affiliations

- **December 2020: Full Professor at the University of Oum El Bouaghi**
- **October 2005 to November 2020: Professor** at the University of TEBESSA.
 - o **June 2019:** University professor in computer science
 - o **October 2014** Lecturer "A"
 - o **January 2012** Lecturer "B"
 - o **February 2009** Assistant professor "A"
 - o **October 2005** Assistant professor "B"
- **2002/2003, 2003/2004 and 2004/2005:** Temporary teacher in the computer science department of the University of Constantine.
- **May 2005 – October 2005:** Executive within the national mining and phosphate company "SOMIPHOS" as network administrator.

- **November 2004 - June 2005:** Teaching contract at the Chamber of Commerce for TS and Computer Engineer.
- **November 2002 - October 2004:** Owner and employee in the company S.N.C: Cybercafé, Installation of networks and data processing.
- **July 2002 – October 2002:** Manager of a design office and IT advice.

Teaching modules

- **PhD**
 - Advanced Network Programming (1st Year)
 - Intelligent Computing (1st Year)
 - Biometric systems and Intrusion detection (1st Year)
- **Master**
 - Distributed Architecture (1st Year Master – Distributed Architecture option)
 - TCP/IP Network (1st Year Master – Distributed Architecture Option)
 - Mobile Networks (1st Year Master – Networks and IT Security Option)
 - Architectures of computer networks (1st Year Master - Option Networks and computer security)
 - Biometric Systems (1st Year Master - Option Networks and IT Security)
 - Pervasive Information Systems. (1st Year Master - Systems and Multimedia option)
 - Human Machine Interface (1st Year Master – Information Systems option)
 - Advanced Software Engineering (1st Year Master – Information Systems option)
 - Seminar & Workshop: Emerging Technologies and Blockchain
 - Seminar & Workshop: Cryptography, blockchain and information security (specialty: SyM and SI)
- **Engineer & License**
 - Software engineering (2nd Year License, 3rd Year Engineer)
 - UML design language (3rd Year License)
 - Cognition (2nd Year License)
 - Databases (3rd Year DEUA)
 - Expert systems (4th Engineer)
 - Programming in C, C++, PASCAL, DELPHI, JAVA, SQL SERVER, ACCESS.
 - Development of Web applications and dynamic Web sites with ASP, PHP, JAVA, XML, XSLT.
 - Design and development of Multi Agent systems with the JADE platform.
 - Configuration of LAN/WAN type networks, and the various site interconnection solutions with fibre, wireless, XDSL, converters, etc.

International publications

- Zakaria Tolba, **Makhlouf Derdour**, Mohamed Amine Ferrag, S M Muyeen, Mohamed Benbouzid , Automated deep learning BLACK-BOX attack for multimedia P-BOX security assessment. September 2022, IEEE Access PP(99), DOI: 10.1109/ACCESS.2022.3204175.
- B Nadira, **D Makhlouf**, M Amroune, Personalized Online Learning: Context Driven Massive Open Online Courses. International Journal of Web-Based Learning and Teaching Technologies, 2021.
- A Zeroual, M Amroune, **M Derdour**, A Bentahar, Lightweight deep learning model to secure authentication in Mobile Cloud Computing. Journal of King Saud University-Computer and Information Sciences. Volume 34, Issue 9, October 2022, Pages 6938-6948
- MS Kahil, A Bouramoul, **M Derdour**, GreedyBigVis–A greedy approach for preparing large datasets to multidimensional visualization. International Journal of Computers and Applications, 1-10.
- F Bouakkaz, **M Derdour**, Maximizing WSN life using power efficient grid-chain routing protocol (PEGCP). Wireless Personal Communications 117 (2), 1007-1023. 2021.
- F Bouakkaz, W Ali, **M Derdour**, Forest Fire Detection Using Wireless Multimedia Sensor Networks and Image Compression. Instrum. Mes. Métrologie 20, 57-63
- S Abdelatif, **M Derdour**, N Ghoulmi-Zine, B Marzak. ANET : A novel service for predicting and disseminating vehicle traffic information. International Journal of Communication Systems 33 (6), e4288. 2020.
- S Menaceur, **M Derdour**, A Bouramoul, Using Query Expansion Techniques and Content-Based Filtering for Personalizing Analysis in Big Data. International Journal of Information Technology and Web Engineering (IJITWE) 2020.
- Mohamed Amine Ferrag, **Makhlouf Derdour**, Mithun Mukherjee, Member, IEEE, Abdelouahid Derhab, Leandros Maglaras. Blockchain Technologies for the Internet of Things : Research Issues and Challenges. DOI 10.1109/JIOT.2018.2882794, IEEE Internet of Things Journal.
- Sahraoui, A., **Makhlouf, D.**, & Roose, P. (2018). Smart Traffic Management System for Anticipating Unexpected Road Incidents in Intelligent Transportation Systems. International Journal of Grid and High-Performance Computing (IJGHPC), 10(4), 67-82.
- Sahraoui, A., **Derdour, M.**, & Marzak, B. (2018). A Multi-Objective ACO to Solve the Daily Carpool Problem. International Journal of Strategic Information Technology and Applications (IJSITA), 9(2), 50-60.
- Sahraoui Abdelatif, **Derdour Makhlouf**, Ahmim Ahmed, Roose Philippe – Vehicular-Cloud Simulation Framework for Predicting Traffic Flow Data – International Journal of Internet Technology and Secured Transactions – 2018 (accepted, to be published)
- Achouri, M., Alti, A., **Derdour, M.**, Laborie, S., & Roose, P. A New Two-level Clustering Approach for Situations Management in Distributed Smart Environments. International Journal of Ambient Computing and Intelligence. Volume 10, Issue 2, 2018.
- Achouri, M., Alti, A., **Derdour, M.**, Laborie, S., & Roose, P. (2018). Smart fog computing for efficient situations management in smart health environments. Journal of ICT, 17(4), 537-567.
- Ahmed Ahmim, **Makhlouf Derdour**, Amin Ferag. An intrusion detection system based on combining probability predictions of a tree of classifiers, International Journal of Communication Systems, DOI:10.1002/dac.3547, 2018.

- Merzoug Soltane, **Derdour Makhlof** and Kazar Okba. Smart Configuration and Auto Allocation of Resource in Cloud Data Centers. International Journal of Information Technology Project Management. 2018. Volume 5, Issue 4.
- Sadek Menaceur, **Makhlof Derdour**, Abdelkrim Bouramoul. Personalized Online Analytical Processing in Big Data Context Using User Profile and Search Context. IJSITA. **Volume 8, Issue 4**, 2018.
- **Makhlof Derdour**, Adel Alti, Mohamed Gasmi, Philippe Roose, Security architecture metamodel for Model Driven security, Journal of Innovation in Digital Ecosystems, doi:10.1016/j.jides.2015.12.001.
- Mohamed Gharzouli and **Makhlof Derdour** - To implement an open-MAS architecture for semantic web services discovery, what kind of P2P protocol we need? - International Journal of Agent Technologies and Systems (IJATS), Vol 6 N° 3. 2014.
- **M. Derdour** and F. Chabane - Energy Constraint in the MMSN (Mobile Multimedia Sensor Networks) - Computing Science and Technology International Journal, Vol 1, PP.15-20, 2013.
- N. Ghoulmi-zine, **D. Makhlof**, Ph. Roose, M. Dalmau - QoS-AWARE SERVICE COMPOSITION FOR ADAPTATION OF PERVASIVE SYSTEMS - The Mediterranean Journal of Computers and Networks, Volume 8, No. 3, pp. 75-84, July 2012.
- **Makhlof Derdour**, Philippe Roose, Marc Dalmau, Nacira Ghoulmi Zine - An adaptation platform for multimedia applications - CSC (Component, Service, Connector) - Journal of Systems and Information Technology - Vol. 14, Issue 1 - (Mars 2012) - ISSN: 1328-7265 - (Rate 15%)
- **Makhlof Derdour**, Marc Dalmau, Philippe Roose, Nacéra Ghoulmi Zine - *Typing of Adaptation Connectors in MMSA Approach Case Study: Sending MMS* - International Journal of Research and Reviews in Computer Science (IJRRCS), ISSN: 2079-2557 - 12/2010.
- **Makhlof Derdour**, Nacéra. Ghoulmi Zine, Philippe Roose, Marc Dalmau, A. Alti - *UML-Profile for Multimedia Software Architectures* - International Journal of Multimedia Intelligence and Security (IJMIS) Inderscience Publishers, Vol. 1, No. 3, pp. 209-231, 2010.
- **Makhlof Derdour**, Philippe Roose, Marc Dalmau, Nacéra Ghoulmi Zine, Adel Alti - *MMSA: Metamodel Multimedia Software Architecture* - Advances in Multimedia, [Hindawi Ed.](#) - vol. 2010, Article ID 386035, 17 pages, 2010. doi:10.1155/2010/386035.
- **Makhlof Derdour**, Philippe Roose, Marc Dalmau, Nacéra Ghoulmi Zine, Adel Alti - *Une approche pour les architectures logicielles à composants multimédia* - [Revue I3](#) Vol. 10 N. 2, pp. 67-92 - 2010.
- **Makhlof Derdour**, Philippe Roose, Marc Dalmau, Nacira Ghoulmi-Zine, Adel Alti - *Vers une architecture d'adaptation automatique des applications réparties basées composants* - [CAL 2010](#) - pp. 1-14, RNTI L-5 - ISSN : 174.1667 - ISBN : 978.2.85128.930.5 - March 2010, Pau, France.

Interests and Qualifications

- **Interest:** Sports (football, swimming)
- **Qualifications:**
- **Other:** president of a CHS sports club