Curriculum Vitae

Personal information

- **Personal**
- Pr. Lakhdar DERDOURI
- Professor, Mathematics &Computer Sciences department, University of Oum El Bouaghi, Algeria.
- E-mail:derdouri.lakhdar@univ-oeb.dz
- **Researcher identity**
    - Google Scholar:
    - ReaserchGate:
    - ORCID:https://

Education

- **Ph.D.'s degree** in Computer sciences
- **Master's degree:**in Computer sciences

Functions and Affiliations

- **Professor,** at the Department of Mathematics and Computer Sciences, University of Oum El Bouaghi, from 02/2019 to today
- **Assistant professor,** at the Department of Mathematics and Computer Sciences, University of Oum El Bouaghi, from 10/2014 to 05/2015
- **Head of operations** : at the computing center of computer sciences institute at Mentouri University of Constantine, from 1985 to 1990
- **Head of department** at institute of Computer Sciences, Mentouri university Constantine, from 1998 to 1999.

Teaching modules

- Algorithms & data structures
- Operating systems
- Computer Architecture
- Computer Networks
- TCP/IP
- basic structure of computers

– Distributed applications

– Algorithmic methods

International publications

– S.Oubadi, , **L. Derdouri,** , Z. Laboudi, **(**2023). Clustering Algorithms for Wireless Sensor Networks: A Review. In: 12th International Conference on Information Systems and Advanced Technologies "ICISAT 2022". ICISAT 2022. Lecture Notes in Networks and Systems, vol 624. Springer, Cham

– S Kettouche, M Maimour**, L Derdouri (**2022). **-** Computing **(**2022**).** Disjoint multipath RPL for QoE/QoS provision in the Internet of Multimedia Things Springer ; 2022

– **L Derdouri**, C Pham, (2020). A delay analysis of active reliable multicast protocols on unreliable wireless mesh network backhaul, Journal of King Saud University-Computer and …, 2020 – Elsevier.

– **L Derdouri**, C Pham, EM El Amine Zouaoui IET (2020). Performance analysis of self-organised multicast group in multi-radio multi-channel wireless mesh networks Wiley Online Library

– S Kettouche, M Maimour**, L Derdouri** (2019**)** QoE-based performance evaluation of video transmission using RPL in the IoMT 7th mediterranean **…,** 2019 - ieeexplore.ieee.org

– C**.** Boulkamh.**, L. Derdouri** . **,** L Zendaoui(2019**).**Smart home energy management system architecture using IoT, Proceedings of the 9th International …, 2019 - dl.acm.org.

– **S** Oubadi**, L Derdouri,** Z Laboudi (2023) **-** 12th International Conference on Springer, **2023**

– B. Achichi, F. Semchedine, **L. Derdouri,** (2019) Hybrid Approach for Congestion Control in VANETs, 7 th International Conference on Software Engineering and New Technology, ICSENT, Hammamet Tunisie, 26-28 Décembre 2018.

– A. Miroud, A. Bourouis, **L. Derdouri**, R. Benaboud, M. Noudri, (2018) RSA Cryptanalysis using multiplicative group order, ISIA'2018 : The Third International Symposium on Informatics and its Applications, Msila Algérie, 6-7 Novembre, 2018.

– S. Oubadi, **L. Derdouri**, (2018) Distributed Clustering Routing Protocol based on PSO and Sleep Scheduling for heterogeneous WSNs", PAIS'2018 : The 3rd International Conference on Pattern Analysis and Intelligent Systems, Tébessa Algérie, 24-25 Octobre 2018.

– **L. Derdouri,** C. Pham**,** M. Benmohammed, **(**201**7)** "Analysis of Hybrid Router-Assisted Reliable Multicast Protocols in Lossy Networks", *International Arab Journal of Information Technology (IAJIT), Vol. 17(1), Jan. 2017. Journal is Indexed by Thomson Reuters. ISSN:1683-319*8*.*

– **L. Derdouri**, C. Pham, (2017)   "Geographic Multicast Routing Based Sleep cheduling", International Symposium on Networks, Computers and communication, ISNCC 2017, Marakech, Maroc, 16-18 Mai 2017.

− R. Bousebsi, F. Belala, **L. Derdouri**, (2014) Modeling Channel Allocation via BRS : case of WMNs, ICAASE'14 International Conference on Advanced Aspects of Software Engineering, , Université Constantine2, Constantine, 2 Novembre 2014.

− A. Benmohammed, **L. Derdouri**, S. Merniz, (2014) Active Reliable Multicast Protocols in Wireless Mesh Networks, JDTIC, Première Edition des Journées Doctorales sur les Technologies de l'information et de communication, Université de Batna, Batna, 4 Juin 2014.

− R. Bousebsi, **L. Derdouri**, F. Belala, (2014) Affectation des Canaux dans un Routage Multi-Chemins : Cas des Réseaux Mesh, JEESI'14, 3ème édition de la Journée de l'Etudiant ESI'14, Oued Smar, Alger, 19 Mai 2014.

− A. Benmohammed, **L. Derdouri**, S. Merniz, M. Benmohammed, (2014) Recovery Latency Analysis of Active Reliable Multicast Protocols in Wireless Mesh Networks, JEESI'14, 3ème édition de la Journée de l'Etudiant ESI'14, Oued Smar, Alger, 19 Mai 2014.

− M. E. Zouaoui, **L. Derdouri** and N. *Zeghib,* (2013) A Simulation Based Performance Evaluation of NJM and NDM Dynamic Multicast Algorithms for Wireless Mesh Networks, 7 th International Workshop on Verification and Evaluation of Computer and Communication Systems, Florence, Italy, November 2013.

− M. E. Zouaoui, **L. Derdouri**, N. Zeghib. , (201**3**) Dynamic Multicast Routing for Wireless Mesh Networks. International Conference and Summer School on Computing, Networking and Communications, Hammamet, Tunisie, Juin 2013.

− **L. Derdouri**, C. Pham, , (201**3**) Performance Analysis of Loss Recovery Latency in Reliable Multicast Protocols using Active Parity Encoded Services, *International Journal of Software Engineering and Its Applications (IJSEIA)*, vol. 7(3), pp. 301-310, May 2013.

− E. M. E. Zouaoui, **L. Derdouri**, N. Zeghib. , (201**3**) Dynamic Multicast Membership Algorithms for MultiChannel Multi-Radio Wireless Mesh Network. *International Journal of Computer Science and Telecommunications (IJCST)*, Vol. 3(12), pp. 56-61, December 2012.

− **L. Derdouri**, N. Saidi. , (201**2**) Décryptage des Textes Chiffrés du Cryptosystème RSA par la Fonction de Chiffrement. Science of Electronics, Technologies of information and Telecommunications: SETIT, Sousse, Tunisie, 2012.

− **L. Derdouri**, N. Saidi. , (2011) Decrypting the Ciphertexts of RSA with Public-Key. The International Arab Conference on Information Technology: ACIT 2011, Naif Arab University for Security Science (NAUSS), Riyadh, Saudi Arabia, 2011.

− A. Benmohammed, **L. Derdouri,** M. Benmohammed. (2011) Analyse de la Latence des Protocoles Multicast Fiable Actif dans un Backbone non Fiable. Conférence internationale sur les systèmes complexes, Cisc2011, Jijel 2011

− **L. Derdouri,** C. Pham, M. Benmohammmed. (2010) Analysis of Delay Latency of the Active Reliable Multicast protocols. The International Arab Conference on Information Technology: ACIT 2010, Benghazi, Libya, 2010.

− **L. Derdouri**, C. Pham, M. Benmohammed, (2008) "AMRHy: Hybrid Protocol for a Reliable Multicast Transport in Active Networking Environments", *International Journal on Computer Science and Network Security (IJCSNS)*, vol. 8(10), October 2008.

− **L. Derdouri**, C. Pham, M. Benmohammed, (2008) "A comparative Analysis of Reliable Multicast Protocols in Active Networking Environments", *International*

Review on Computers and Software (*IRECOS*), Vol. 3(3), Praize Worthy Prize, May 2008.

- **L. Derdouri**, C. Pham, D. Bendali-Amor. (2007)   Analyse de la latence de recouvrement des protocoles dans les protocoles multicast fiables de type APES. 4rth International Conference : Sciences of Electronic, Technologies of Information and Telecommunications SETIT, March 2007

- **L. Derdouri**, D. E. Saidouni, M. Benmohammed. (2006)   Reliable Multicast Transport in Active Environment. International Conference Computer Science and Information Technologie, CSIT2006, Amman, Jordanie 2006.

- **L. Derdouri**, L. Boulbene, A. Hamzaoui, N. Saidi, (2005)   Nouvelle attaque du cryptosystème RSA. Congrès international en informatique appliqué, Ciia05, Bordj Bou Arréridj 2005.

- **L. Derdouri**, D. E. Saidouni, M. Benmohammed, (2004)   Protocole Hybride de Transport Actif Multicast Fiable. Conférence internationale sur les systèmes complexes, Cisc2004, Jijel 2004.

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Interests and Qualifications

- **Interests:** Artificial intelligence – machine learning – context-aware pervasive systems – optimization and meta-heuristics – complex systems – parallel and distributed computing.

- **Qualifications:** Programming languages (Java, C/C++, Matlab, XML, XSLT, HTML, PHP, JSP, CSS, JavaScript, JSON) –Databases (MySQL, Access, PostGis and PostgreSQL) - Application analysis and design methods(UML).

- **Other:** Reading –travelling.

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