

# CURRICULUM VITAE



## Personal information

- **Personal**
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## Education

- **Ph.D.'s degree** in Computer Science (2012)
- **Magister's degree** in Computer Science (2003)
- **Engineer's degree** in Computer Science (1999)

## Functions and Affiliations

- **Professor**, Department of Mathematics and Computer Science.
- **Research team leader** (MoVéVaSiS) ReLa(CS)<sup>2</sup> Laboratory (since 2013).
- **Chair of the Department Scientific Committee**, Department of Mathematics and Computer Science (since September 10<sup>th</sup> 2022).
- **Member of the Faculty Scientific Council**, Faculty of Exact Sciences and Natural and Life Sciences (since September 10<sup>th</sup> 2022).

## Teaching modules

- Advanced Computer Systems Security.
- Modeling, Simulation and Performance Evaluation.
- Computer Networks.
- Cybersecurity.
- System Modeling and Simulation.

## International publications

- Meziani, Ahlem, Bourouis, Abdelhabib, and Chebout, Mohamed Sedik. 'NeutroMAS4SCRM : a Combined Multi-agent System with Neutrosophic Data Analytic Hierarchy Process Framework for Supply Chain Risk Management'. 1 Jan. 2023 : 3695 – 3716.
- Meziani, A., Bourouis, A., & Chebout, M. S. (2022, September). Neutrosophic Data Analytic Hierarchy Process for Multi Criteria Decision Making: Applied to Supply Chain Risk Management. In 2022 International Conference on Advanced Aspects of Software Engineering (ICAASE) (pp. 1-6). IEEE.
- Benkherourou, C., & Bourouis, A. (2022, February). A Framework for Improving Data Quality Throughout the MDM Implementation Process. In 2nd International Conference on Industry 4.0 and Artificial Intelligence (ICIAI 2021) (pp. 164-169). Atlantis Press.
- Gasmi, K., Bourouis, A., & Benaboud, R. A Survey on Identity-based Key Management Schemes in Mobile Ad hoc networks. In Conference Proceedings ICCSA'2021 (p. 8).
- Abderrezek, S., & Bourouis, A. (2021, October). Convolutional AutoEncoder and Bidirectional Long Short-Term Memory to Estimate Remaining Useful Life for Condition Based Maintenance. In 2021 International Conference on Networking and Advanced Systems (ICNAS) (pp. 1-6). IEEE.
- Hamrouni, B., Bourouis, A., Korichi, A., & Brahmi, M. (2021). Explainable ontology-based intelligent decision support system for business model design and sustainability. *Sustainability*, 13(17), 9819.
- Benmir, A., Korichi, A., Bourouis, A., Alreshoodi, M., & Al-Jobouri, L. (2020). GeoQoE-Vanet: QoE-aware geographic routing protocol for video streaming over vehicular ad-hoc networks. *Computers*, 9(2), 45.
- Benmir, A., Korichi, A., Bourouis, A., Alreshoodi, M., & Al-Jobouri, L. (2019, September). An enhanced gpsr protocol for vehicular ad hoc networks. In 2019 11th Computer Science and Electronic Engineering (CEECE) (pp. 85-89). IEEE.
- Hamrouni, B., Korichi, A., & Bourouis, A. (2018, December). IDSS-BM: Intelligent decision support system for business models. In Proceedings of the 7th international conference on software engineering and new technologies (pp. 1-5).
- Mahma, O., Korichi, A., & Bourouis, A. (2018). EBP: An efficient broadcast protocol for warning message dissemination in VANETs. *Journal of computing and information technology*, 26(3), 157-166.
- Amina Miroud, Abdelhabib Bourouis, Lakhdar Derdouri, Rohallah Benaboud and Mouna Nouadri. RSA Cryptanalysis using multiplicative group order. The Third International Symposium on Informatics and its Applications (ISIA 2018), November 6-7, 2018, M'Sila, Algeria.

- Benmir, A., Korichi, A., Bourouis, A., & Alreshoodi, M. (2018). Survey on QoE/QoS correlation models for video streaming over vehicular ad-hoc networks. *Journal of computing and information technology*, 26(4), 267-287.
- Nasri, A., & Bourouis, A. (2017). A model driven engineering approach to reduce large queueing networks. *Journal of Information Technology Research (JITR)*, 10(2), 1-18.
- Nasri, A., Bourouis, A., & Belattar, B. (2016, March). Applying the reduction approach to EQNM2L large models. In *2016 International Conference on Information Technology for Organizations Development (IT4OD)* (pp. 1-6). IEEE.
- Chibani, M., Belattar, B., & Bourouis, A. (2015). Practical benefits of aspect-oriented programming paradigm in discrete event simulation. *Modelling and Simulation in Engineering*, 2014, 47-47.
- Belattar, B., & Bourouis, A. (2014). Yet Another Java Based Discrete-Event Simulation Library. *J. Softw.*, 9(1), 82-88.
- Chibani, M., Belattar, B., & Bourouis, A. (2013). Towards a UML Meta Model Extension for Aspect-Oriented Modeling. In *Proceedings of the eighth Int. Conference on Software Engineering Advances ICSEA 2013* (pp. 591-596).
- Abdelhabib, B., & Brahim, B. (2008). JAPROSIM: a Java framework for process interaction discrete event simulation. *Journal of Object Technology*, 7(1), 103-119.
- Belattar, B., & Bourouis, A. (2014). A Java Based Discrete Event Simulation Library. *International Journal of Computer and Information Engineering*, 7(2), 278-284.
- Belattar, B., & Bourouis, A. (2013). Ascertaining important features of the JAPROSIM simulation library. In *Proceedings of the EUROPEMENT International Conference on Systems, Control, Signal Processing and Informatics* (pp. 515-522).
- Chibani, M., Belattar, B., & Bourouis, A. (2019). Using aop in discrete event simulation: A case study with japrosim. *International Journal of Applied Mathematics, Computational Science and Systems Engineering*, 1.
- Chibani, M., Belattar, B., & Bourouis, A. (2013). Toward an aspect-oriented simulation. *International Journal of New Computer Architectures and their Applications (IJNCAA)*, 3(1), 1-10.
- Chibani, M., Belattar, B., & Bourouis, A. (2013). The use of the aspect oriented programming (aop) paradigm in discrete event simulation domain: Overview and perspectives. In *The Third International Conference on Digital Information Processing and Communications* (pp. 653-660).
- Bourouis, A., & Belattar, B. (2012). Towards a metamodel for extended queueing networks. *International journal of simulation modelling*, 11(3), 117-128.

- Gheraibia, Y., & Bourouis, A. (2012, March). Ontology and automatic code generation on modeling and simulation. In 2012 6th International Conference on Sciences of Electronics, Technologies of Information and Telecommunications (SETIT) (pp. 69-73). IEEE.
- Bourouis, A., & Belattar, B. (2012). EQNM2L: Towards a Metamodel for Extended Queuing Networks. *Int. J. Comput. Sci. Issues*, 9(1), 139-149.
- Abdelhabib, B., & Brahim, B. (2008). JAPROSIM: a Java framework for process interaction discrete event simulation. *Journal of Object Technology*, 7(1), 103-119.
- Abdelhabib Bourouis and Brahim Belattar. Using XML in Simulation Modeling: automatic code generation from XML-based models. *Proceedings of the CARI 08*, pp. 101-108. Tanger, Morocco, October 23-25, 2008.

## Interests and Qualifications

- **Interests:** Parallel & Distributed Simulation, Mobile and Ad Hoc Networks, Cryptology, Network Security.