





# Nabil Messaoudi

Maitre de conférences Classe A

## PROFIL

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## LANGUES

Arabic 

French 

English 

## Degrees

1987 - 1992

Annaba, Algeria

**State engineer, hardware and software**

*Université de Annaba*

2007 - 2009

Constantine, Algérie

**master in computer science - software engineering**

*Université Constantine 1*

2012 - 2017

Constantine, Algérie

**PHD in computer science – software engineering**

*Université Constantine 2, Abdelhamid Mehri, Algerie*

2017 - 2024

**university accreditation**

## **University Abbes Laghrour Khenchela**

Lecturer

- *Compilation*
- *Software Engineering*
- *Test & quality*
- *Graphical User Interface*
- *Advanced programming techniques*
- *Computer Network*

## **University Abbes Laghrour Khenchela**

Head of speciality

Date 2012-2015

- 1. Multi-Layer Consistency Validation of IoT Systems with UML Inheritance Dynamic Diagrams via SPIN Model Checking. Ingénierie des systèmes d information 2023-12-23. DOI: 10.18280/isi.280610**
- 2. Improving consistency of AADL models: A composition approach. Systems Engineering. 2023-05. DOI: 10.1002/sys.21653.**
- 3. A technique to validate automatic generation of Büchi automata from UML 2 sequence diagrams based on multi-layer transformations. International Journal of Computational Vision and Robotics. 2019. DOI: 10.1504/ijcvr.2019.098799**
- 4. An Approach to UML Consistency Checking Based on Compositional Semantics. International Journal of Embedded and Real-Time Communication Systems. 2017-07-01. DOI: 10.4018/ijertcs.2017070101**
- 5. On TGG Ability for Transforming UML 2 Sequence Diagrams with Imbricate Combined Fragments to  $\pi$ -Calculus Specifications. Procedia Computer Science 2016. DOI: 10.1016/j.procs.2016.04.147.**
- 6. An Operational Semantics for UML 2 Sequence Diagrams Supported by Model Transformations. Procedia Computer Science 2015. DOI: 10.1016/j.procs.2015.07.253**
- 7. Design of ATL Rules for Transforming UML 2 Sequence Diagrams into Petri Nets. International Journal of Computer Science and Business Informatics, IJCSBI. 2013-12-01**
- 8. Design of ATL Rules for Transforming UML 2 Communication Diagrams into Büchi Automata. International Journal of Software Engineering and Its Applications, IJSEIA. 2013-03-01.**