

- Teaching Assistant** at **ENSIMAG**, Grenoble, France **Oct. 2007**
to **Jun. 2009**
- Automata and Applications
 - Software Analysis, Design, and Validation
 - Object Oriented Programming in Java
- M.S., Internship** **Jan. 2006**
to **Sep. 2006**
- Affiliation: Verimag Laboratory
 - Tasks: Identifying the notion of components for embedded systems
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PUBLICATIONS **International Conferences**

Tayeb Bouhadiba and Florence Maraninchi. Contract-based coordination of hardware components for the development of embedded software. *COORDINATION 2009*

Tayeb Bouhadiba, Florence Maraninchi, and Giovanni Funchal. Formal and executable contracts for transaction-level modeling in systemC. *EMSOFT 2009*

Florence Maraninchi and Tayeb Bouhadiba. 42: programmable models of computation for a component-based approach to heterogeneous embedded systems. *GPCE 2007*

Workshops

T. Bouhadiba, F. Maraninchi, K. Altisen, and M. Moy. Computational Modeling of Non-Functional Properties with the Component Model 42. *MoCC'08*

Florence Maraninchi, Tayeb Bouhadiba. 42: programmable models of computation for a component-based approach to heterogeneous embedded systems. *SYNCHRON'07*

- INDUSTRIAL EXPERIENCE**
- Engineer** at CNL, Mostaganem, Algeria **Jun. 2005 to Sep. 2005**
- Computer systems management
 - Test and evaluation of an under-development software system
- Engineer** at MCM, Mostaganem, Algeria **Nov. 2004 to Feb. 2005**
- Software development
 - Personal computer systems installation and repair
- Intern** at SONATRACH, Arzew, Algeria **Mar. 2004 to May. 2004**
- Installation and management of an intrusion detection system
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ADDITIONAL EXPERIENCE

Member of the University Council for Studies and Student Life at INPG **2009**

- TECHNICAL SKILLS**
- Synchronous programming of reactive systems (Lustre/SCADE, Esterel)
 - Embedded systems simulation and prototyping tools (SystemC/TLM, Ptolemy, ...)
 - Good knowledge of formal methods for software design and verification
 - Object-oriented programming

LANGUAGES	English	Good level
	French	Fluent
	Arabic	Mother tongue

PERSONAL INTERESTS	- Sport (Horse-riding, Swimming, Football)
	- Traveling
	- Micro-controller programming