

Curriculum Vitæ



1. PERSONAL INFORMATIONS

- **Name and Surname :** Myriam BOUNHAS ELAYEB
- **Date of Birth:** October, 04th, 1977 in Tataouine, Tunisia.
- **Nationality:** Tunisian.
- **Address:** Emirates Colleges of Technology, P.O. Box. 41009 Abu Dhabi, UAE
- **Marital status:** Married (+ 2 kids)
- **Phones :** Mobile : (+971)-0-562782788/ Home : (+971)-0-26589623
- **E-Mail :** myriam_bounhas@yahoo.fr

2. KEY WORDS

- Assistant Professor in Computer Science and Information Technology.
- Senior Researcher.

3. EDUCATION

- 2008-2013:
- Ph.D. Thesis in Informatics Applied to Management.
 - Name of school: Higher Institute of Management of Tunis, Tunisia.
 - Laboratories: IRIT-INPT (France) / LARODEC-ISGT (Tunisia)
 - Title of Ph.D. Thesis: « Possibilistic Classifiers for Certain/Uncertain Numerical Data ».
 - Defense: January 10th, 2013.
 - Mention: very honorable.
- 2004-2006:
- Master Thesis in Informatics Applied to Management (Option: Modeling).
 - Name of school: The Higher Institute of Management of Tunis, Tunisia.
 - Laboratory: LARODEC-ISG (Tunisia).
 - Title of Master Thesis: « Traveller behaviour modeling based on Data Mining techniques: Decision Trees and Neuron Networks ».

- Defense: July 22th, 2006.
 - Mention: Honorable.
- 1996-2000:
- Bachelor of Informatics Applied to Management
 - Name of school: The Higher Institute of Management of Tunis Tunisia.
 - Laboratory: LARODEC-ISG (Tunisia).
 - Title of the Bachelor Dissertation: « Text Mining versus Data Mining: a concept-based algorithm for rules' generation of indexed textual Data ».
 - Defense: July 10th, 2000.
 - Mention: very honorable.
- 1989-1996:
- High School Graduation Diploma (Option: Mathematics)
 - Name of School: Secondary School of Tataouine, Tunisia.

4. RESEARCH INTERESTS

- Machine learning
- Possibilistic classification,
- Bayesian classification,
- Certain/Uncertain numerical data classification,
- Analogical proportion,
- Analogical classification

5. PUBLICATIONS

5.1. INTERNATIONAL REFEREED JOURNALS

1. **Myriam Bounhas**, Mohamed Hamed Ghasemi, Henri Prade, Mathieu Serrurier, and Khaled Mellouli. "Naïve possibilistic classifiers for imprecise or uncertain numerical data". In Fuzzy Set and System, Elsevier, 239, pp. 137-156, **2014**. [ISI IF: **1.986 in 2014** ; Rank: **A**]¹
2. **Myriam Bounhas**, Khaled Mellouli, Henri Prade and Mathieu Serrurier, "Possibilistic Classifiers for numerical data", In Soft Computing, Springer-Verlag, 17(5), pp. 733-751, **2013**. [ISI IF: **1.88 in 2013** ; Rank: **C**]

¹Journal Ranking Link : <http://portal.core.edu.au/jnl-ranks/>

5.2. CONFERENCE PROCEEDINGS

1. **Myriam Bounhas**, Henri Prade, Gilles Richard, “Oddness-based classifiers for Boolean or numerical data”. In The 38th German Conference on Artificial Intelligence (KI), LNAI 9324, Springer International Switzerland, pp. 1-13, Dresden, Germany, September 21-25, **2015**.
2. **Myriam Bounhas**, Henri Prade, Gilles Richard, “A New View of Conformity and Its Application to Classification”. In European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU), S. Destercke and T. Denoeux (eds.), LNAI 9161, Springer International Publishing Switzerland, pp. 1–12, Compiègne, France, **2015**.
3. **Myriam Bounhas**, Henri Prade, Gilles Richard, “Evenness-based reasoning with logical proportions applied to classification”. In The 9th International Conference on Scalable Uncertainty Management (SUM), Springer, LNAI 9310, pp. 1-16, Quebec City, Canada, September 16-18, **2015**.
4. **Myriam Bounhas**, Henri Prade, Gilles Richard, “Analogical classification: A new way to deal with examples”. In Proceedings of the 21st European Conference on Artificial Intelligence (ECAI), IOS Press, pp. 135-140, Prague, Czech Republic, **2014**.
5. **Myriam Bounhas**, Henri Prade, Gilles Richard, “Analogical Classification: A Rule-Based View”. In Proceedings of the 15th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU), Laurent et al. (eds.), Part II, CCIS443, Springer, pp. 485-495, Montpellier, France, **2014**.
6. **Myriam Bounhas**, Henri Prade, Gilles Richard, “Analogical Classification: Handling Numerical Data”. In Proceedings of The 8th International Conference on Scalable Uncertainty Management (SUM), Umberto Straccia, Andrea Cali (eds.), LNCS 8720, Springer, pp. 66-79, Oxford, UK, **2014**.
7. **Myriam Bounhas**, Henri Prade and Gilles Richard, “La classification analogique : Une nouvelle manière d’exploiter des exemples”. In Actes IAF 2014 - Huitièmes Journées de l'Intelligence Artificielle Fondamentale, Angers, France, 11-13 juin **2014**. Online : http://jiaf2014.univ-angers.fr/actes/Bounhas_IAF_2014.pdf
8. **Myriam Bounhas**, Henri Prade, Mathieu Serrurier and Khaled Mellouli, “A possibilistic rule-based classifier”. In Proceeding of the 14th International Conference on Information

Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU12), S. Greco et al. (eds.), Part I, CCIS 297, Springer, pp. 21–31, Catania, Italy, **2012**.

9. **Myriam Bounhas**, Henri Prade, Mathieu Serrurier and Khaled Mellouli, “Possibilistic Classifiers for Uncertain Numerical Data”, In European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU), Liu W. (eds.), LNAI 6717, Springer-Verlag, pp. 434–446, Belfast, North Ireland, **2011**.
10. **Myriam Bounhas** and Khaled Mellouli, “A Possibilistic Classification Approach To Handle Continuous Data”, In the Proceedings of the eighth ACS/IEEE International Conference on Computer Systems and Applications (AICCSA-10), pp. 1-8, IEEE Computer Society, Hammamet, Tunisia, **2010**.
11. **Myriam Bounhas**, Khaled Mellouli, Henri Prade and Mathieu Serrurier, “From Bayesian Classifiers to Possibilistic Classifiers for numerical data”, In The Fourth International Conference on Scalable Uncertainty Management (SUM), Deshpande A. and Hunter A. (eds.), LNAI 6379, Springer, pp. 112-125, Toulouse, France, **2010**.
12. **Myriam Bounhas** and Khaled Mellouli, “Using Class-based Reasoning to Improve the Accuracy of Symbolic Rules in a Hybrid Possibilistic Approach”, In the Proceeding of the Second International Conference on Advances in Databases, Knowledge, and Data Applications (DBKDA), pp. 222-228, Menuires, The Three Valleys, France, **2010**.

6. REFEREE SERVICE

- **International Journals:** reviewer in Information Science

7. TRAINING

- From September 25th to October 25th, 2010:
 - Name of company: IRIT-INPT Research Laboratory (France).
 - Training topic: Ph.D. research training
- From March 15th to April 15th, 2010:
 - Name of company: IRIT-INPT Research Laboratory (France).
 - Training topic: Ph.D. research training
- From September 15th, 2005 to July 21st, 2006:
 - Name of company: LARODEC-ISG Research Laboratory (Tunisia)

- Training topic: « Traveller behaviour modeling based on Data Mining techniques: Decision Trees and Neuron Networks ».
- Software: JBuilder.
- From February 01st to June 30th, 2000:
 - Name of company: LARODEC-ISG Research Laboratory (Tunisia). - Training topic: « Text Mining Versus Data Mining: a concept-based algorithm for rules' generation of indexed textual Data ».
 - Software: Visual C++
- From July 01st to August 31st, 1999:
 - Name of company: *AMEN BANK* Agency of Tataouine in Tunisia.
 - Training topic: « A Financial Management of bank and postal checks ».
 - Software: Financial Management System of banking agencies.

8. WORK EXPERIENCE

I have **15 years** as experience in teaching computer sciences and information technology:

- Since January, 15th, 2013:
 - Assistant Professor in computer science at Emirates College of Technology (ECT), Abu Dhabi, United Arab Emirates (UAE).
- From September 15th, 2011 to January, 14th, 2013:
 - University Assistant in Computer Science at the Higher School of Business (ESC), Manouba University, Tunisia.
- From September 15th, 2004 to September 14th, 2011:
 - University Teacher in Computer Science at the Higher School of Business (ESC), Manouba University, Tunisia.
- From September 15th, 2000 to September 14th, 2004:
 - Professor of Secondary education in Computer Science at Secondary School of Tataouine, Tunisia.
- The supervision of about twenty Graduation Projects for the Diploma and Bachelor students in computer science and information technology.
- Teaching experience of several courses: (*Teaching in French and English languages*).

Course name	Academic year	College	Level/ Section	Tutorials (h/week)	Training (h/week)	Labs. (h/week)
Computer Skills	2000-2004	SST	12 th and 13 th Grades	2	1	1
Algorithmics and Data Structure	2000-2004	SST	12 th and 13 th Grades	2	1	1
Data Base Manag. Systems	2004-2012	ESCT	2 nd year Bachelor IT	3	-	-
Operating System Unix	2004-2011	ESCT	2 nd year Bachelor IT	3	-	3
Modelling of information system	2005-2010	ESCT	3 rd year Bachelor IT	2	1	-
Management information system (MIS)	2004-2012	ESCT	4 th year Bachelor IT	3	-	-
Operating Systems	2004-2012	ESCT	1 st year Bachelor IT	3	-	1.5
Introduction to Unix	2005-2011	ESCT	2 nd year Bachelor IT	3	-	1.5
Computer Architecture	2004-2012	ESCT	1 st year Bachelor IT	3	1.5	-
DataBase	2007-2012	ESCT	2 nd year Bachelor IT	3	-	1.5
Programmating Lang. C	2005-2010	ESCT	1 st year Bachelor IT	3	-	1.5
C2I	2004-2012	ESCT	1 st year Bachelor IT	3	-	1.5
Algorithmic & Data structures	2004-2012	ESCT	1 st year Bachelor IT	3	1.5	-
Data Base Manag. Systems (DBMS)	2005-2012	ESCT	2 nd year Bachelor IT	3	-	1.5
DBMS-4GL	2008-2012	ESCT	3 th year Bachelor IT	3	-	-
Data Mining & Warehousing	2009-2012	ESCT	4 th year Bachelor IT	3	-	-
Data Base Manag. Systems	2013-2016	ECT	Bachelor IT	3	-	-
OOP Syst. Analy. design	2013-2016	ECT	Bachelor IT	3	-	-
Data com. & Net.	2013-2016	ECT	Bachelor IT	3	-	-
Intro. to Web Dev.	2013-2016	ECT	Bachelor IT	3	-	-
Advanced Web Dev.	2013-2016	ECT	Bachelor IT	3	-	-
Object Orient. Prog. C#	2013-2016	ECT	Bachelor IT	3	-	-
Intro. Comp. Prog. C#	2013-2016	ECT	Bachelor IT	3	-	-
Management information system (MIS)	2013-2016	ECT	Bachelor IT	3	-	-
e-business	2013-2016	ECT	Bachelor IT	3	-	-
Business Intelligence	2013-2016	ECT	Bachelor IT	3	-	-
SST: Secondary School of Tataouine, Tunisia. (2000-2004) ESCT: Higher School of Business of Tunis, Manouba University, Tunisia. (2004-2012) ECT: Emirates College of Technology, Abu Dhabi, UAE. (Since 2013)						

9. COMPUTER SKILLS

- **Programming Languages:** Assembly, SHELL, Pascal, COBOL, C, C++, Visual C++, Visual Basic, C#, Visual C# 2008, Developer 2000, Java,...
- **Operating Systems:** MS DOS, Windows, Unix, Linux.
- **Methodologies of Conception and Modeling Language:** MERISE, OOM, OMT, UML.
- **Data Access Tools:** ODBC, JDBC.
- **Databases Management Systems:** Access, Oracle, SQL Server, MySQL.
- **Computer aided software engineering:** Power AMC, Meta-Edit+.
- **Procedural Language and Structure Query Language:** SQL, PL/SQL.
- **Web Development:** HTML, SGML, XML, Java Script, PHP, Perl, ASP, JSP, J2EE.
- **Software of statistics and Help for decision-making:** SAS, Eviews, STATA, MATLAB, SPSS, OLAP.

10. UNIVERSITY AND COMMUNITY SERVICES

- Member of the *Academic Partnerships and Industry Networking Committee* at Emirates College of Technology, Abu Dhabi, UAE since September 2015.
- Member of the *Teaching and Learning Committee* at Emirates College of Technology, Abu Dhabi, UAE from June 2013 to September 2015.
- Member of jury in many Graduation Project defenses.
- Course leader in many computer science and information technology courses.
- Member of program committee of **Diploma** in Business Administration and Computer information Systems and **Bachelor** Degree in Business Administration – Major in Business Information Technology at Emirates College of Technology, Abu Dhabi, UAE.

11. LANGUAGES

- **Arabic:** Mother tongue
- **French:** Good spoken and written
- **English:** Good spoken and written

12. REFERENCES

Pr. Henri Prade

CNRS Research Advisor

Informatics Research Institute of Toulouse (IRIT), Office 307

Paul Sabatier University

Tel: + 33(0)561556579, Fax: +33(0)561556239

Henri.prade@irit.fr

Pr. Gilles Richard

Professor of Computer Sciences

Informatics Research Institute of Toulouse, Office 324

Paul Sabatier University

Tel: +33 (0)561556330

richard@irit.fr

Dr. Mathieu Serrurier

Assistant Professor of Computer Sciences

Informatics Research Institute of Toulouse.

Paul Sabatier University

Tel: +33 (0) 561556330.

Mathieu.Serrurier@irit.fr