# CURRICULUM VITAE

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| **SURNAME** | **:** Cheniour Khalfallah |
| **FIRST NAME** | **:** Fedia |
| **DATE AND PLACE OF BIRTH** | **:** 11 July 1968 in Tunis |
| **NATIONALITY** | **:** Tunisian |
| **MARITAL STATUS** | **:** Married |
| **OCCUPATION** | **:** Assistant Professor in computing management. |
| **DATE OF RECRUITMENT** | **:** 07 October 1998 |
| **DATE OF TENURE** | **:** 07 October 2001 |
| **PERSONAL ADDRESS** | **:** Hamdan Street, Emirates tower building. |
| **PROFESSIONAL ADDRESS** | **:** Abu Dhabi University. |
| **RESEARCH LABORATORY** | **:** LARODEC (LAboratoire de Recherche Opérationnelle, de DEcision et de Contrôle des procédés) |
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## EDUCATION

- **PhD in Computing Management.**
  **Place:** Higher Institute of Management of Tunis (Tunisia), June 2002.
  **Subject:** Method of building and checking a bayesian network's authenticity.
  **Key words:** Uncertain reasoning, probability theory, Causal Networks (Bayesian, probabilistic), Probabilistic construction models.
  **Award:** Very Honorable.
  **Supervisor:** Pr Khaled Mellouli.
  **Co-Supervisor:** Pr Jean-Yves Jaffray.
  **Research Laboratory:** LARODEC.

- **Postgraduate Certificate in Information System Management**
  **Place:** Higher Institute of Management of Tunis, June 1992.
  **Subject:** Conception of an expert System based on the concepts of Petri's Networks (Expert System for the appointment of TUNISAIR's flying personnel).
  **Award:** Good.

- **Master's in Computing Management**
  **Place:** Higher Institute of Management of Tunis, June 1990.
  **Subject:** Project conducting System (PDS).
  **Award:** Good.

- **Qualified Technician's Certificate in Computing Management**
  **Place:** Higher Institute of Management of Tunis, June 1988.

- **Baccalaureate Math-Science**
  **Place:** Secondary School of Hammam Sousse (Tunisia), June 1986.

## TRAININGS

- **LIP6 (Laboratoire d'Informatique de Paris VI), Jussieu, Paris, France**, (December 2004). Presentation of research work under way to the SYSDEF team. Finalization of an article written jointly with Pr Khaled Mellouli and Miss Sinda Chaabane, entitled: « Structure Learning of Bayesian Network from Distributed Homogeneous Databases ». Finalization of an article written jointly with Mr Pierre-Henri Wuillemin (member of the SYSDEF team). The article is entitled: « Structural Evaluation of Bayesian Networks ».
- **LIP6, Jussieu, Paris, France**, (December 2003). Elaboration of a new article written jointly with Mr Pierre-Henri Wuillemin (member of the SYSDEF team). The article is entitled: « Structural Evaluation of Bayesian Networks ». Finalization of an article written jointly with Pr Khaled Mellouli and submitted to the Artificial Intelligence Journal (RIA), entitled: « Detection of a Bayesian Network Structure using a database ».
- **LIP6, Jussieu, Paris, France**, (May 2001). Finalization of the thesis. Presentation of final work and results.
- **LIP6, Jussieu, Paris, France**, (September 2000). Progress and correction of chapters in the thesis. Development of a new evaluation part.
- **LIP6, Jussieu, Paris, France**, (January 2000). Progress in the thesis and corrections of the ACIDCA'2000 article.
- **LIP6, Jussieu, Paris, France**, (January 1999). Elaboration of an article (Ecsqaru'99).
- **LIP6, Jussieu, Paris, France**, (June1998).Progress in thesis.
- **LIP6, Jussieu, Paris, France**, (September 1997). Bibliographical research and perfecting the thesis subject.
- **Conservatoire National des Arts and Métiers (CNAM), Paris, France,** (September - October 1996). Bibliographical research and elaboration of a paper.
- **Centre National de l'Informatique (CNI), Tunis, Tunisia,** (March - June 1991). Conception of a decision-assisting System.
- **Centre National de l'Informatique (CNI), Tunis, Tunisia,** (March - June 1990). Elaboration of a Project-conducting System (EPCS), (Macintosh - 4D).
- **Sibra Management, Fribourg, Switzerland,** (August – September 1989). Conversion of general accountancy software (Saturne) from the mono-post mode to the multi-post one, (Novell network - Compaq - Clipper).
- **Zaoui Meubles, Sousse, Tunisia,** (July - August 1988). Exploitation of management software: Accountancy, Payment, Orders, Invoicing...

## SEMINARS

- **11th International Conference on Information Processing and Management of Uncertainty – In Knowledge-Based Systems (IPMU 2006)** from 2 to 7 july 2006, Paris, France.
- **8th International Conference on Information Processing and Management of Uncertainty – In Knowledge-Based Systems (IPMU 2000)** from 3 to 7 July 2000, Madrid, Spain.
- **International Conference on Artificial and Computational Intelligence for Decision, Control and Automation in Engineering and Industrial Applications (ACIDCA'2000)** organised by the Faculty of Economics and Management of Sfax, 22 – 24 March 2000, Monastir, Tunisia.
- **Renewal of Management Teaching,** (Organising Committee) organised by the Higher Institute of Management of Tunis, 18 – 19 November 1999, Gammarth, Tunisia.
- **European Conference on Symbolic and Quantitative Approaches to Reasoning and Uncertainty (ECSQARU'99)** organised by the University College of London, 4 – 9 July 1999, London, UK.
- **Ecole d'Aide à la Décision Multicritères (EMAD)** organised by the Tunisian Society of Management, 29-30 April 1999, Gammarth, Tunisia.
- **Spring School: Les Méthodes Informatiques d'Aide à la Décision (MIAD'99)** organised by the Tunisian Association of Management, 18 - 20 March 1999, Hammamet, Tunisia.
- **Les 2èmes journées Francophones de Recherche Opérationnelle (FRANCORO II)** (Organising Committee) organised by The Tunisian Management Science Society" (TMSS), 6 - 8 April 1998, Sousse, Tunisia. (Member of TMSS).
- **Computational Engineering in Systems Applications (CESA'98)** organised by Central School of Lille, 1 - 4 April 1998, Hammamet, Tunisia.
- **Conference on Computing "Information Systems: New Tendencies"** Organised by the Faculty of Economics and Management of Sfax, 17 – 19 March 1997, Mahdia, Tunisia.
- **3rd Maghrebean School of Computing and Telecommunications " Course: Modelling and Validation of Protocoles "** (Organising Committee) organised by the high school of Telecommunications of Tunis, 30 October - 03 November 1995, Sousse, Tunisia.
- **Summer School of Computing. Oriented Approach Object: Techniques, Conception, Programming and Applications** organised by the Faculty of Economics and Management of Sfax, 09 - 15 July 1995, Mahdia, Tunisia.
- **24th Session of the International School of Computing of A.F.C.E.T. " Securing Networks and Exchanges of Computerized data "** organised by A.F.C.E.T, 20 - 30 July 1994, Sousse, Tunisia.
- **2nd Maghrebean Conference on Artificial Intelligence and Software Engineering** organised by the Faculty of Sciences of Tunis, 13 - 16 April 1992, Tunis, Tunisia.
- **4th School of Computing "Information System and Software Engineering, Course: Construction of Information Systems"** organised by the Faculty of Sciences of Tunis, 19 – 30, November 1990, Hammamet, Tunisia.

## WORKSHOPS

- **May 1997 – (Tunis):** Management of uncertainty by the probabilistic reasoning in expert systems.
- **March 1998 – (Jendouba):** Extraction algorithms of a Bayesian network
- **11-12 March 2000 – (Mahdia):** Doctoral seminar.
- **6-8 April 2000 – (Douz):** Fusion and aggregation of data.

## RESEARCH WORK

- **January 2009:** CMSAO'09 (3rd International Conference on Modeling, Simulation, and Applied Optimization). N. Ben Amor, A. Ben Yaghlane and F. Khalfallah. Title: Building possibilistic network parameters using elicited expert opinions. 20-22 January 2009, Sharjah – UAE.
- **March 2008:** IJPRAI 2008 (International Journal of Pattern Recognition and Artificial Intelligence). H. Borchani, N. Ben Amor and F. Khalfallah. Title: Learning and Evaluating Bayesian Network Equivalence Classes from Incomplete Data. Vol. 22, No. 2 - March 2008.
- **July 2006:** Article IPMU'2006: Paris, France, from 2 to 7 july 2006. Fédia Khalfallah and Pierre-henri Wuillemin. Title: Structural evaluation of Bayesian Networks.
- **November 2005:** Article ACIDCA ICMI'2005: the 2nd International Conference on Artificial and Computational Intelligence for Decision, Control and Automation in Engineering and Industrial Applications. Poster session. Track 1, Computational Intelligence. Tozeur, Tunisia, from 5 to 7 November 2005. Sinda Chaabène, Fédia Khalfallah, Khaled Mellouli. Title: Structure learning of Bayesian Network from distributed homogeneous databases.
- **December 2002:** Article AIJ: Artificial Intelligence Journal. Fédia Khalfallah and Khaled Mellouli. Title: Detection of a bayesian network's structure using a database.
- **September 2002:** Refer to the special issue of the Artificial Intelligence Journal.
- **March 2000:** Article ACIDCA'2000: International Conference on Artificial and Computational Intelligence for Decision, Control and Automation in Engineering and Industrial Applications. Monastir, Tunisia, from 22 to 24 March 2000. Fédia Khalfallah, Khaled Mellouli. Title: Learning Bayesian Networks: The Case of Equality.
- **July 1999:** Article ECSQARU'99: the 5th European Conference on Symbolic and Quantitative Approaches to Reasoning and Uncertainty. London, from 05 to 09 July 1999. Fédia Khalfallah, Khaled Mellouli. Title: Optimized Algorithm for Learning Bayesian Network from Data.
- **October 1998:** Article IEEE 98: International Conference on Systems, Man and Cybernetics. California, from 11 to 14 October 1998. Fédia Khalfallah, Boutheina Ben Yaghlane, Khaled Mellouli. Title: Propagating Multi-Observations in Directed Belief Networks.
- **April 1998:** Article CESA'98: Computational Engineering in Systems and Applications. Hammamet, Tunisia, from 1st to 4th April 1998. Boutheina Ben Yaghlane, Fédia Khalfallah, Khaled Mellouli. Title: Propagating Conditional Belief Functions in Directed Acyclic Networks.

- **September 1998:** Work document N°3: New optimised algorithm.
- **March 1998:** Work document N°2: Workshop Jendouba. Extraction algorithms of a bayesian network using a database.
- **May 1997:** Work document N°1: State of art - Workshop ISG. Management of uncertainty by probabilistic reasoning in expert Systems.

## TRAINING COURSE ACTIVITIES

- **December 1996:** Introduction to programming. Representation of information; Algorithmic; Flowcharts; Programming using Basic for the Mediterranean society of Formation (SMCF), Sousse.
- **06-10 October 1992:** Operation system (MS-DOS); Introduction: Structure of a microcomputer at the Higher Institute of Management of Tunis. (Level 1st year Management).
- **02-06 October 1990:** Software of general accountancy (Compta) at the Higher Institute of Management of Tunis (Level 1st year Management).
- **17-27 September 1990:** Operation system (MS-DOS); Word-processing (WORKS) at the Higher Institute of Management of Tunis, (Level 1st year Management).

## PROFESSIONAL EXPERIENCE

- **From 2008-2015:** Part time instructor at Abu Dhabi University, Abu Dhabi, UAE.
- **From 2004-2007:** Assistant Professor at the Faculty of Economics and Management of Tunis, Tunisia.
- **From 1998-2004:** Assistant at the Faculty of Economics and Management of Tunis, Tunisia.
- **From 1993-1998:** Contract teacher at the Faculty of Law, Economics and Political Science of Sousse, Tunisia.
- **1992-1993:** Temporary teacher at the Higher School of Commerce of Tunis, Tunisia.
- **1992-1993:** Temporary teacher at the Faculty of Law, Economics and Political Science of Sousse, Tunisia.

**Details:**

- **2008/2014**: Introduction to IT applications. Introduction to computers and some applications software (Theory, PowerPoint, Access and Excel).
- **2004/2007**: Course of lectures in Artificial Intelligence. (Level: 4th year Computer Management).
- **2001/2007**: Course of lectures in Algorithmic and Programming in C language. (Level: 1st year Computer Management).
- **2002/2004**: Course of lectures in Management Programming (files). (Level: 2nd year Computer Management).
- **1998/2001**: General introduction to computing; Algorithmic; Programming in VISUAL BASIC under Excel, PASCAL ; WINDOWS interface ; Word-processing ; WINWORD ; EXCEL Spreadsheet. (Level: 2nd and 3rd year Management, Economics).

- **1997/1998**: Supervision of projects and dissertations; Data Analysis; WORD, EXCEL, CHADOC… (Level: 4th year Management).

- **1995/1997**: General introduction to computing ; Operation system (MS-DOS) ; Algorithmic ; Programming in Basic ; WINDOWS Interface; Word-processing ; WINWORD; EXCEL spreadsheet; DBASE language. (Level: 1st and 3rd year Management).

- **1993/1995**: General introduction to computing; Operation system (MS-DOS); Algorithmic; Programming in Basic; Projects: Pay, Accountancy Ditto 94-95. (Level: 2nd year Management).

- **1992/1993**: Nature and Structure of Information; Representation of Information (Numeration System); Computers; Information Organisation; Algorithms and Flowcharts; Operation system (MS-DOS); Pascal language. (Level: 2nd year).
  WINDOWS interface; WINWORD Word-processing; EXCEL spreadsheet; DBASE Language. (Level: 3rd year Banking, Hotel and Hospitality).

- **1992/1993**: General introduction to computing; Operation system (MS-DOS); Algorithmic; Programming in Basic; Projects: Pay, Accountancy. (Level 3rd year Management).

## SUPERVISORY WORK

- **2004/2007:** Supervision of masters in computing management at the Faculty of Economics and Management of Tunis.
- **Examples of subjects:** Expert Systems, Programming, Management, Statistics, Evaluation Method of a Bayesian network structure,…
  Companies: Banks, Insurances, Universities, Schools, Programming offices…
- **2003/2004:** Co-supervision of a postgraduate course in Information Systems at the Higher Institute of Management of Tunis, the title of which is: « Structure learning of Bayesian network from distributed homogeneous databases ».

## AFFILIATIONS

- Member of LARODEC laboratory (LAboratoire de Recherche Opérationnelle, de DEcision et de Contrôle des procédés) - Tunis.
- Member of Tunisian Management Science Society (TMSS).
- Languages: Arabic, French and English.