



# CURRICULUM VITAE of Asma ARIBI MOKHTAR

Assistant Professor in computer science

## Personal data

<b>Name and Surname</b>	<b>Asma ARIBI MOKHTAR</b>
<b>Date of birth</b>	20/08/1984 (Gabes, Tunisia)
<b>Nationality</b>	Tunisian
<b>Marital Status</b>	Married
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## Education

2013	<b>PhD</b> <i>Title :</i> Contributions in diagnosis of fractional order model systems <i>Mention:</i> first class honors (Honourable) <i>Supervisors :</i> M. Mohamed Naceur ABdelkrim and M. Christophe FARGES <i>Place:</i> National School of Engineers of <b>Gabes, Tunisia</b> and Laboratory of Materials and Systems Integration (IMS), department LAPS, Bordeaux University, <b>France</b> .
2010	<b>Master's degree in Automatic Control and Intelligent Techniques</b> , at National School of Engineers of <b>Gabes, Tunisia</b> , Mention: Very Good. <a href="http://www.enig.rnu.tn">www.enig.rnu.tn</a>
2009	<b>Engineer Diploma in Automatic-electrical engineering</b> at National School of Engineers of <b>Gabes, Tunisia</b> , and Mention: Very Good.
2003	<b>Bachelor Diploma</b> of Secondary Education in <b>Mathematics section</b> , Mention: Pretty Good

## Professional career

2017/until now	Assistant Professor at Faculty of Science and Humanities in Dawadmi, <b>Shaqra University, Saudi Arabia</b> .
2014/2017	Assistant at Higher Institute of Industrial Systems <b>Gabes, Tunisia</b> . <a href="http://www.issig.rnu.tn/">http://www.issig.rnu.tn/</a>
2010/2014	Contractual assistant at Higher Institute of Industrial Systems <b>Gabes, Tunisia</b> .

## Publications

### International conference paper

2017	Halima Atitallah ; <b>Asma Aribi</b> ; Mohamed Aoun ; Mohamed N. Abdelkrim, “Fault detection and isolation for time-delay fractional systems”, 25th Mediterranean Conference on Control and Automation (MED), 2017 , page: 401-406, IEEE conference publications.
2016	Halima Atitallah ; <b>Asma Aribi</b> ; Mohamed Aoun ; Mohamed N. Abdelkrim, “Diagnosis Of Time-Delay Fractional Systems”, 17 <sup>th</sup> International conference on sciences and techniques of automatic control and computer engineering (STA), 2016
2015	Rihab Chouki ; <b>Asma Aribi</b> ; Mohamed Aoun ; Mohamed N. Abdelkrim, “Additive fault tolerant control for fractional order model systems”, 16 <sup>th</sup> International conference on sciences and techniques of automatic control and computer engineering (STA), 2015, page: 340-345, IEEE conference publications.
2013	<b>Aribi, A.</b> , Aoun, M., Farges, C., Najar, S., Melchior, P. et Abdelkrim, M. (2013). Generalized fractional observers scheme to fault detection and isolation. In 10th International Multi-Conference on Systems, Signals and Devices (SSD), 2013, pages 1–6.
2012	<b>Aribi, A.</b> , Aoun, M., Farges, C., Melchior, P., Najar, S. et Abdelkrim, M. (2012). Robust dynamic parity space method for fractional order systems fault detection. In 5th IFAC Workshop on Fractional Differentiation and its Applications (FDA).
2012	<b>Aribi, A.</b> , Aoun, M., Najar, S. et Abdelkrim, M. (2012). Evaluation of fractional residuals. In 9th International Multi- Conference on Systems, Signals and Devices (SSD), 2012, pages 1–6.
2011	Aoun, M., <b>Aribi, A.</b> , Najar, S. et Abdelkrim, M. (2011). On the fractional systems fault detection: A comparison between fractional and rational residual sensitivity. In 8th International Multi-Conference on Systems, Signals and Devices (SSD), 2011, pages 1–6.
2010	Aoun, M., <b>Aribi, A.</b> , Najar, S., Tellili, A. et Abdelkrim, M. (2010). On the fractional systems fault detection. In 4th IFAC Workshop on Fractional Differentiation and its Applications (FDA).

### International journal paper

2018	Halima Atitallah ; Asma Aribi ; Mohamed Aoun (2018). Diagnosis of time-delay fractional systems using observer-based methods Int. J. Dynamical Systems and Differential Equations, Vol. x, No. x, xxxx
2014	Aribi, A., Farges, C., Aoun, M., Najar, S., Melchior, P. et Abdelkrim, M. (2014). Fault detection based on fractional order models : application to diagnosis of thermal systems. Communications in Nonlinear Science and Numerical Simulation
2012	Aribi, A., Aoun, M., Najar, S. et Abdelkrim, M. (2012). On the fractional systems’ fault detection: Evaluation of fractional residual. International Journal of Computer Applications, 45(17):37– 43. 2)

## **Teaching**

- Automatic, Electric, and Electronic
- Techniques of electrical measures
- Industrial computing: automated systems
- Automatic control
- Programming of the Microcontrollers.
- Workshop in practical electronic
- Control of linear systems.
- Web programming
- Computer Ethics
- Programming
- Data structure
- Simulation and modeling
- Performances of computers
- Human and computer interaction
- Cryptography
- Information security
- Discrete mathematics
- Introduction to database

## **Training**

<b>Mai 2015</b>	Participating Training in Conception, development and utilization of online course within the university of Gabes, Tunisia (Mai 2015) Pedagogic training within the university of Gabes, Tunisia
<b>November 2016</b>	Training in industrial computing : Development of applications in the basis of PIC and ATmega(Arduino)
<b>February 2014</b>	Three trainings on human development
<b>May 2013</b>	
<b>May 2014</b>	
<b>December 2015</b>	
<b>April 2013</b>	Training on entrepreneurship
<b>April /June 2012</b>	Two trainings on Communication technics
<b>Mai 2011</b>	Pedagogic training within the university of Gabes, Tunisia
<b>Between 2010-2013</b>	4 research internships within Laboratory of Materials and Systems Integration (IMS), department LAPS, Bordeaux University, France
<b>2010</b>	Participating to the Autumn school of automatic EEA'10
<b>July 2008</b>	Engineer internship within the Cement Tunisian Society of Gabes (SCG)
<b>July 2007</b>	Internship within the Electric and Gas Tunisian Society of Gabes (STEG)

## **Computer Skills**

**Systems:** MS Windows

**Software:** Word, Excel, Power Point, Latex

**Programming:** Turbo Pascal, C++/C, Matlab, Maple, Step7, Circuit-Maker, Isis, Workbench, Java, COMSOL.

## **Language skills**

	<b>Written</b>				<b>Spoken</b>			
	Excellent	Good	Medium	Poor	Excellent	Good	Medium	Poor
Arabic	X				X			
French	X				X			
English		X				X		

