

## Houssam Abdelhafidh Chouikhi

Assistant Professor



### Personal Data:

Nationality | Tunisia  
Date of Hire | 26 September 2016  
Date Rank Obtained | 12 September 2013  
Department | Mechanical Engineering  
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### Education:

Academic Degree	Major	specialty	Place of Issue	Address	Date
Doctorate (PhD)	Automatic Control, Signal and Image Processing	Automatic Control	University of Lorraine	Metz, France	13/12/2012
Masters (M.Sc.)	Science and Technology	Conception, Industrialization, Innovation	Arts and Crafts - ParisTech (ENSAM Metz)	Metz, France	30/6/2009
Bachelor (B.Sc.)	Electromechanical Engineering	Industrial Automation	University of Sfax	Sfax, Tunisia	30/6/2008

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions):

PhD	Optimization of green maintenance strategies for production systems
Master	Development and optimization of a maintenance policy under environmental constraints

### Experiences:

Title of Job	Address of Work	Country	Date	
Assistant Professor	College of Engineering, King Faisal University	Saudi Arabia	From	2016
			To	present
Assistant Professor	Higher Institute of Industrial Systems of Gabes, University of Gabes	Tunisia	From	2013
			To	2016
Lecturer	National School of Engineers of Metz	France	From	2010
			To	2012

### Research Interests:

1. Maintenance optimization, Condition-based maintenance, Inspection policy.
2. Solar dryer, PV/T air collector.
3. Industrial automation, Mechatronics, Control systems.

### Publications:

#	Name of author(s)	Title of Publication	Publisher and Date of Publication	Link of Publication
1	Mohamed Fterich, Houssam Chouikhi, Hatem Bentaher, Aref Maalej	Experimental Study of Indirect Solar Dryer Under Climatic Conditions of Tunisia	Lecture Notes in Mechanical Engineering, Springer, 2023	<a href="#">Click Here</a>
2	Mohamed Fterich, Houssam Chouikhi, Salmen Ghorbel, Hatem Bentaher, Sadoth Sandoval-Torres, Aref Maalej	Numerical and Experimental Study of Solar Dryer Equipped with PV/T	Technical Gazette 2022	<a href="#">Click Here</a>
3	Mohamed Fterich, Houssam Chouikhi, Sadoth Sandoval-Torres, Hatem Bentaher, Ahmed Elloumi, Aref Maalej	Numerical simulation and experimental characterization of the heat transfer in a PV/T air collector prototype	Case Studies in Thermal Engineering, Elsevier, 2021	<a href="#">Click Here</a>
4	Mohammed Saber, Houssam Chouikhi	Development of the Bicone Mandrel Ring Expansion Test to Evaluate the Hoop Stress in Extruded Aluminum Tubes	Experimental Mechanics, Springer, 2021	<a href="#">Click Here</a>
5	Baher M. A. Amer, Houssam Chouikhi	Smartphone Application Using a Visual Programming Language to Compute Drying/Solar Drying Characteristics of Agricultural Products	Sustainability, MDPI, 2020	<a href="#">Click Here</a>
6	Zeineb Boumallessa, Houssam Chouikhi, Mounir Elleuch, Hatem Bentaher	Improving Performance of Production Lines: Integration of Maintenance and Quality Policies: A Literature Review	Lecture Notes in Mechanical Engineering, Springer, 2019	<a href="#">Click Here</a>
7	Mohamed Fterich, Houssam Chouikhi, Hatem Bentaher, Aref Maalej	Experimental parametric study of a mixed-mode forced convection solar dryer equipped with a PV/T air collector	Solar Energy, Springer, 2018	<a href="#">Click Here</a>
8	Houssam Chouikhi, Abdelhakim Khatab, Nidhal Rezg	A condition-based maintenance policy for a production system under excessive environmental degradation	Journal of Intelligent Manufacturing, Springer, 2014	<a href="#">Click Here</a>



9	Houssam Chouikhi, Sofiene Dellagi, Nidhal Rezg	Development and optimisation of a maintenance policy under environmental constraints	International Journal of Production Research, Taylor & Francis, 2012	<a href="#">Click Here</a>
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#### Language Proficiency:

1. Arabic
2. English
3. French