

## Curriculum Vitae

**1. Name:** Wided Soudene Mseddi (Email: wided.soudene@enicar.u-carthage.tn)

### 2. Education:

Degree	Discipline	Institution	Year
Engineer Degree	Signals and Systems	Ecole Polytechnique de Tunisie	2002
Master Degree	Automatics and Signal Processing	Centrale Supélec - France	2003
PhD	Image Processing	Université Sorbonne Paris Nord	2007

### 3. Academic experience:

Institution	Rank	Title	Dates Held	FT/PT
Ecole Nationale d'Ingénieurs de Carthage	Assistant Professor		2020-present	FT
Ecole Polytechnique de Tunisie	Assistant Professor		2011-2020	FT
Ecole Polytechnique de Tunisie	Assistant Professor	Head of Electrical Engineering Department	2012 - 2015	FT
Université Sorbonne Paris Nord	Assistant Professor		2009-2011	FT
ESIGETEL - France	Assistant Professor		2007- 2009	FT
University of Sharjah	Visiting Professor		Spring 2007	PT

### 4. Non-academic experience:

Company	Title/Position	Description	Dates Held	FT/PT
SERCOM Laboratory Tunisia	Senior Researcher and Teams Leader	Image and Video Processing Team Leader	2012 - Present	FT

L2TI Laboratory – France	Researcher	First PhD student, then FT researcher	2003	FT
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## 5. Certifications or professional registrations:

- “Big Data” training
- Certificate in “Business Analytics” issued by IBM
- Certificate in “Management of Career Centers” issued by USAID BRCP Program
- Certificate of Career Advisor Tamheed.
- Certificate in “Communication and Leadership” from Dale Carnegie
- CERTIPORT certificate for the EPT Microsoft certification exam center
- Training in “Pre-empting and managing conflicts” ensured by DAAD
- “Gender and Diversity” training provided by GIZ
- Training of trainers in “Behavioral Focus” provided by GIZ

## 6. Current membership in professional organizations:

- Member of the organizing comity of the international conferences EUVIP 2011 and EUVIP 2014
- Member of international conference program committees (Technical Program Committee)
- Review for several international IEEE journals
- Development of expert missions with socio-economic partners
- Member of GDR ISIS (Information, Signal, Images and Vision) since 2008

## 7. Honors and awards:

- Best Paper EUVIP 2014

## 8. Service activities (within and outside of the institution):

Position	Dates Held
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Head of department at EPT	2012-2015
Head of 4C at EPT	2015-2020
Member of the EPT Reform Commission	2013-2020
Member of the EPT Improvement Council	2011-2018
Member of the EPT Board of Directors	2011-2018

### Courses taught / teaching:

<b>Computer science Lab</b>	● EPT, Grade 1
<b>Microprocessors</b>	● EniCarthage, Grade 2
<b>Digital Signal Processors</b>	● EniCarthage, Grade 2
<b>Embedded Systems Development</b>	● EniCarthage, Grade 2
<b>Theory of signals and systems</b>	● EPT, Grade 2
<b>Microprocessor Based Applications</b>	● EPT, Grade 2
<b>Digital signal processing</b>	● ESIGETEL, Grade 2
<b>Digital communications</b>	● EPT, Grade 3
<b>Microprocessor, industrial computing</b>	● IUT, Grade 2
<b>Signal processing</b>	● Université Sorbonne Paris Nord, Master 2
<b>Computer Vision</b>	● EPT, Grade 3
<b>Digital image processing</b>	● EPT, Master 2
<b>Big data processing by Learning</b>	● EPT, Master 2

### Supervised Masters Projects:

- Audio Signal Watermarking, ESSTT
- Development of a mobile application for optical character recognition of Arabic characters, ENICarthage

### 9. Briefly list the most important publications:

- [R1] **Wided Souidene**, Karim Abed-Meraim, Azeddine Beghdadi: *A New Look to Multichannel Blind Image Deconvolution*. IEEE Transactions on Image Processing 06/2009; 18(7). DOI:10.1109/TIP.2009.2018566
- [R2] Sameh Megrhi, Marwa Jmal, **Wided Souidene**, Azeddine Beghdadi: *Spatio-Temporal Action Localization and Detection for Human Action Recognition in Big Dataset*. Journal of Visual Communication and Image Representation 10/2016; 41,
- [R3] Marwa JMAL, **Wided Mseddi**, Rabah Attia: *Efficient cultural heritage image restoration with non uniform illumination enhancement*. Journal of Electronic Imaging 01/2017; 26(1). DOI:10.1117/1.JEI.26.1.011020
- [R4] **Wided Souidene Mseddi**, Marwa Jmal, Rabah Attia: *Real-time scene background initialization based on spatio-temporal neighborhood exploration*, Multimedia Tools and Applications, Volume 78, Issue 6, March 2019, pp 7289–731. <https://doi.org/10.1007/s11042-018-6399-1>
- [R5] M. A. Sedrine, **W. Souidene Mseddi**, R. Attia, “*Neural network visual odometry based framework for UAV localization in GPS denied environment*”, IJACT, vol. 9, no. 8, pp. 3798-3809, Sep. 2020.

#### 10. Briefly list the most recent professional development activities:

- [1] Artificial Intelligence: New opportunities for enterprises: A workshop for Telnet Innovation Lab, Tunis, 2020
- [2] International Conference on Signal-Image Technology & Internet-Based Systems (SITIS), Presentation: *Detection for Monocular Visual Odometry: Deep-Learning Approaches Comparison*, Italy 2019
- [3] International conference on the Sciences of Electronics, Technologies of Information and Telecommunication, Presentation: *Spatio-Temporal Center-Symmetric Local derivative Patterns for Objects Detection in Video Surveillance*, Rome, 2018