



Fares M'ZOUGHFI

Ph.D. in Electrical Engineering

Teaching Assistant,

Digital Systems, Introduction to Electronic Circuits.

[fares.mzoughi@medtech.tn](mailto:fares.mzoughi@medtech.tn)

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## EDUCATION

- 2014-Present** Ph.D. cotutelle in Electrical Engineering, between National Engineering School of Tunis (ENIT), University of Tunis El Manar (UTM), Tunisia and Escuela Universitaria de Técnica Industrial Ingeniera (EUITI) at the University of the Basque Country (UPV-EHU) in Spain.
- 2014** Master in Automatic Control and Signal Processing, National Engineering School of Tunis (ENIT), University of Tunis El Manar (UTM), Tunisia.
- 2013** Engineering in Mechatronics, National Engineering School of Carthage (ENICarthage), University of Carthage (UCAR), Tunisia.

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## RESEARCHINTERESTS

Power generation, Wave energy, Induction Machines, Automatic Control, Electrical Engineering...

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## EMPLOYMENT EXPERIENCE

### ACADEMIC:

- 2015 -Present** Teaching Assistant, Digital Systems& Introduction to Electronic Circuits , MedTech, Tunis, Tunisia
- 2013 -2015** Teacher, LabVIEW& STM32 , Université Libre de Tunis (ULT), Tunis, Tunisia

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## CONSULTING EXPERIENCE OR PROFESSIONAL CERTIFICATION

- 2013** Certified LabVIEW Associate Developer (CLAD), National Instrument (NI).
- 2013** Advanced Diploma in French Language (DALF-C1), Language Centre of the French Institute of Tunisia (IFT).

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## COURSES TAUGHT

- Digital Systems, MedTech
- Introduction to Electronic Circuits, MedTech
- LabVIEW programming, ULT
- STM32 programming, ULT

### Communications in refereed conferences

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#### International

**F. M'zoughi, S. Bouallègue and M. Ayadi.** (2015). *2015 6th International Renewable Energy Congress (IREC)*, IEEE. Modeling and SIL simulation of an oscillating water column for ocean energy conversion, Sousse, Tunisia.

**A. J. Garrido, I. Garrido, E. Otaola, J. Lekube, F. M'Zoughi, K. Ghefiri, D. G. Mundackamattam, and I. Oleagordia.** (2016). *IEEE TENCON 2016 – Technologies for Smart Nation. Capture Chamber Modelling and Validation in OWC on-shore Devices*, Marina Bay Sands, Singapore.

### Papers under review

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**F. M'zoughi, S. Bouallègue, A. J. Garrido, I. Garrido, and M. Ayadi.** (2017). Stalling-free Control Strategies for Oscillating-Water-Column-based Wave Power Generation Plants. *IEEE Transactions on Energy Conversion*, 10 pages.