

Curriculum Vitae

Houda CHIHI
PhD in Telecommunications.
Innov'COM Lab at Sup'Com.

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ACADEMIC UNIVERSITY CURRICULUM

- 2016** : PhD in Telecommunications. Host laboratory : INNOV'COM at the Higher School of Communications of Tunis (SUP'COM), National School of Engineers of Tunis (ENIT).
- 2009** : Master in Telecommunications at the National School of Engineers of Tunis (ENIT).
- 2007** : Master in Electronic and Instrumentation at the Higher School of Sciences and Techniques of Tunis (ESSTT).
- 2004** : Senior technician in Telecommunications at the Higher Institute of Technological Studies in Communications of Tunis (ISET'Com).
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OBTAINED DIPLOMAS

- * **PhD**
- Specialty : Telecommunications.
 - Session : Juin 2016.
 - Mention : Très Honorable.
 - Affiliation : INNOV'COM at the Higher School of Communications of Tunis (SUP'COM).
- * **Master**
- Specialty : Telecommunications.
 - Session : Juin 2009.
 - Mention : Très Honorable.
 - Affiliation : the National School of Engineers of Tunis (ENIT).

*** Master**

- Specialty : Electronic and Instrumentation.
- Affiliation: June 2007.
- Affiliation: Higher School of Sciences and Techniques of Tunis (ESSTT).

*** Baccalaureate**

- Session : June 2001.
- Specialty : Sciences Expérimentales.
- Affiliation : Secondary High School of Siliana.

PROFESSIONAL EXPERIENCE

2005–2016 : Chief Engineer at Tunisie Telecom Operator.

Expertise : KPI & Reporting, supervision and maintenance of 2G/3G/4G networks.

September-December 2016 : Temporary Assistante at Iset'Com University.

Expertise : Electronic of transmission.

March-June 2017 : Temporary Assistante at Iset'Com University.

Expertise : Analog Electronic.

COMPETENCIES AND PROFESSIONAL QUALIFICATIONS

- Development Languages: C,C++
- Simulation tools : MATLAB.
- Operating systems : Windows,LaTex

Telecommunications networks

- Mobile Networks : GSM, UMTS, HSPA, 4G / 5G.
- Technical skills :
- Wireless communication.
- Performances Evaluation of networks, QoS, planification..

Topic of Search

- Wireless communication.
- Signal processing.
- Information Theory.
- Codaging/Equalization.
- Estimation/Detection.
- Green communication.
- Ressource Allocation.
optimisation.
- Optimization / Multiple access.
- _ Vehicular Communication

PUBLICATIONS

* Journals

1 **H. CHIH, R. BOUALLEGUE,**" Energy Efficiency Investigation for the MB-OFDM UWB Cross-Layer Design".Wireless Personnal Communication 2017.

2 **H. CHIH, "Energy efficiency performance evaluation for multiband-OFDM UWB cross-layer design,"** Int. J. Ultra Wideband Communications and Systems, Vol. X, No. Y, 2017.

3 **H. CHIH, R. BOUALLEGUE,**" Energy Expenditure per Bit Minimization into MB-OFDM UWB Systems," International Journal of Digital Information and Wireless Communications (IJDIWC), Vol 7, Issue 1, 2017.

4 **R. M. ZAEEM, M. NAEIMI, S. T. ARASTEH and H. CHIH,**" Optimal thresholds for discrete power levels using adaptive modulation in presence of imperfect channel state information," International Journal of Advanced Computer Research (IJACR), Vol 7, Issue 31, July 2017.

• National Conferences

1 **H. CHIH, R. BOUALLEGUE and R.DE LACERDA " ChDMA Technique based MB-UWB System over the IEEE 802.15.3a Proposal "**. IEEE International Conference on Multimedia Computing and Systems (IEEE ICMCS 2014).

* International Conferences

1 **H. CHIH, R. BOUALLEGUE and R.DE LACERDA, " Channel Division Multiple Access Analysis into MBOFDM UWB High Data Rate System "**. IEEE International Conference on Wireless Communications and Mobile Computing (IEEE-IWCMC 2014), Cyprus, Août 2014.

2 **H. CHIH, A. HAMINI and R. BOUALLEGUE " Energy consumption performance results Of multiband OFDM UWB systems "**. IEEE International Conference on

Wireless Communications and Mobile Computing (IEEE-IWCMC 2015), Croitie, Août 2015.

- 3 **H. CHIHAI**, R.DE LACERDA and R. BOUALLEGUE, " **Adaptive Modulation and Coding Scheme for MBOFDM UWB Systems** ". IEEE International Conference on Software, Telecommunications and Computer Networks (IEEE-SOFTCOM 2015) Croitie, Septembre 2015.
- 4 **H. CHIHAI**, R.ZAEEM and R. BOUALLEGUE, " **Energy Minimization by Selecting Appropriate Modulation and Coding Scheme for MB-OFDM** ". IEEE International Conference on Advanced Information Networking and Applications (IEEE AINA-2016), AINA, Crans Montana 2016.

Training

- **From 5 to 27 January 2015** : CentraleSupélec, Paris.
- **From 30 October 2017-6 January 2018**: CERTIFICATE COURSE IN ADVANCED MOBILE COMMUNICATION TECHNOLOGIES, UTL, India.
- **From 20 March to 13 April** : Visiting Researcher at ECE Paris.

PARTICIPATION IN CONFERENCES AND CERTIFICATS

- ISSC-5G'2015 : International School on 5G , Hammamet, Tunisia, 2015
- Participation at IEEE International Conference on Wireless Communications and Mobile Computing (IWCMC 2014), Cyprus, Août 2014.
- Participation at International Conference on Information Processing and Wireless Systems (Ip-Wis-2013), Djerba, Tunisia 2013.
- Participation at International Conference on Advanced Information Networking and Applications (AINA 2016), Crans Montana, Mars 2016.
- Participation EP-CEM'2013, spring school of Magnetism Hammamet, tunisia, 2013.
- Participation at the research day of Sup'COM, Hammamet, Tunisia, September 2016.
- _ CCNA certified.

Spoken Languages

- **Arabic.**
- **French.**
- **English.**
- **Deutsch.**

