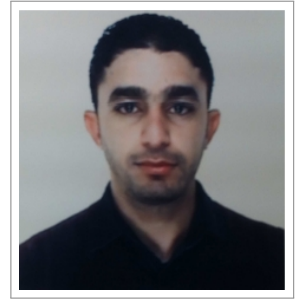# Mourad Mars

Curriculum Vitae

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SUMMARY

Dr Mourad MARS is an Assistant professor at the Institute of Computer Science and Mathematics of Monastir - Tunisia. He received his Ph.D in Computer Science and Natural Language Processing with the highest-honors from the University of Grenoble (France) in 2012. Currently, he is a research member of LIDILEM laboratory (France) and LaTICE laboratory (Tunisia). His main research interest is in Natural Language Processing (NLP) and Machine Learning (ML) and he is a co-supervisor of two ongoing thesis in computer science.

Since joining the University of Grenoble and particulary the LIDILEM laboratory in 2005, he participated in several projects including MIRTO project (Computer Assisted Language Learning platform based on NLP tools) and he was also a major contributor to the LIDILEM Statistical Part of Speech Tagger project. Actually, he collaborate with the TAUS Labs (Amsterdam - Netherlands) on a project titled "'The TAUS English/French Statistical Machine Translation System."'

Mourad MARS's first academic appointment was at university of Grenoble in France where he served as a temporary assistant professor in computer science after a one year position as a web development engineer at Stendhal University. He worked also as temporary assistant professor at Faugier High School of Grenoble for 2 years and attached to the Academic of Grenoble where he was also member of several jurys for national exams in computer science. Prior to joining the High School of Computer Science and Mathematics of Monastir (ISIMM) in october 2012. He served as Head of department of Computer Science at the International University of Tunis (UIT) - Tunisia.

EDUCATION & EXPERIENCE

Since October 2012 **Assistant Professor**, *High School of Computer Science and Mathematics of Monastir (ISIMM) - Tunisia..*

Sept 2012 – Jan 2013 **Head of department of Computer Science**, *International University of Tunis (UIT) - Tunisia..*

2012 **Ph.D, Computer Science and NLP**, *LIDILEM Labs*, highest honors, University of Grenoble - France..

Jun 2010 – Jun 2011 **Jury member**, *Participation in several jurys for national exams in Computer Science*, Academy of Grenoble - France..

2009-2011 **Temporary Assistant Professor**, *Faugier Higher School - Grenoble - France..*

2007-2009 **Temporary Assistant Professor**, *University of Grenoble - France..*

2007-2008 **Teaching Software Development**, *Micro Application - France..*

2006-2007 **Web Development Engineer**, *Engineer at University of Grenoble - France..*

2006 **Master Degree**, *Computer Science / Natural Language Processing - University of Grenoble - France..*

ACTIVITIES - PROJECTS

○ 2013-2014: Paricipation in a project titled: "'The TAUS English/French Statistical Machine Translation System"' collaboration with TAUS R&D team - Amsterdam - Netherlands.

○ 2008-2012: Paricipation in a project titled: The LIDILEM Statistical Part of Speech Tagger for Arabic Language. LIDILEM Labs - France.

○ 2006-2012: Paricipation in a project titled: MIRTO - LIDILEM Labs- France.

○ Co-supervisor of 2 ongoing thesis, Tunisia.

○ Supervisor of many master's projects - France and Tunisia.

○ Member of the organizing commitee of CEDILL2010.

○ Member of ATALA (Association Natural Language Processing) since 2009.

○ Member of more than 15 jurys in different levels in France and Tunisia.

RESEARCH TOPICS - PUBLICATIONS

Research topics

○ Computer Science.

○ Machine Learning - Certification from Stanford University.

○ Artificial Intelligence.

○ Natural Language Processing (NLP).

○ Statistical Approachs for NLP.

Publications

2013 [**Mars, 2013**], *M. Mars*, "Arabic POS Tagger Based on Hidden Markov Model: Experiences and results", (**CIT Journal**).

2013 [**Mars, 2013**], *M. Mars*, "Arabic POS Tagger for computer assisted languague learning use", ICTA 2013.

2012 [**Mars et al, 2012**], *M. Mars, G. Antoniadis, M. Zrigui*, "NLP Tools Integration in ICALL Arabic Systems: Case of @rab-Learn", FEC'S12 - The 2012 International Conference on Frontiers in Education: Computer Science and Computer Engineering, Las Vegas, Nevada, USA.

2012 [**Zrigui et al, 2012**], *M. Zrigui, R. Ayadi, M. Maraoui, M. Mars*, "Arabic Text Classification Framework Based on Latent Dirichlet Allocation", (**CIT Journal**).

2012 [**Mars, 2012**], *M. Mars*, "Intégration du TAL dans l'ALAO arabe: Cas d'@rab-Learn", Les assises du GDR I3. Porquerolles, France.

2011 [**Mars et al, 2011**], *M. Mars, G. Antoniadis, M. Zrigui*, "@rab-Learn: a Model of NLP Tools Integration in ICALL Systems", ICAI - The 2011 International Conférence on Artificial Intelligence. Las Vegas, Nevada, USA.

2011   [**Mars et al, 2011**], *M. Mars, G. Antoniadis, M. Zrigui*, "@rab-Learn: Towards Intelligent Answer Analysis and Feedback in ICALL", FEC'S11 - The 2011 International Conference on Frontiers in Education: Computer Science and Computer Engineering, Las Vegas, Nevada, USA.

2011   [**Ben Mohamed et al, 2011**], *M.A. Ben Mohamed, D.EL Ghoul, M. Nahdi, M. Mars, M. Zrigui*, "Arabic CALL System Based on Pedagogically Indexed Text", ICAI - The 2011 International Conférence on Artificial Intelligence. Las Vegas, Nevada, USA.

2010   [**Mars et al, 2011**], *M. Mars, G. Antoniadis, M. Zrigui*, "Which Algorithm and Approach for Arabic Part Of Speech Tagging", CITII, Journal Research in Computing Science (**RCS Journal**), Vol 50, pp. 235 -245, Apizaco, Mexique.

2010   [**Mars et al, 2010**], *M. Mars, G. Antoniadis, M. Zrigui*, "Statistical Part of Speech Tagger for Arabic Language", ICAI - The 2010 International Conférence on Artificial Intelligence. Las Vegas, Nevada, USA.

2008   [**Mars et al, 2008**], *M. Mars, G. Antoniadis, M. Zrigui*, "Nouvelles ressources et nouvelles pratiques pédagogiques avec les outils TAL", TICEMED, Journal Information Sciences for Decision Making (**Journal ISDM**), Vol 32, N571, Sfax, Tunisie.

2008   [**Mars et al, 2008**], *M. Mars, M. Zrigui, M. Belgacem, A. Zouaghi*, "A Semantic Analyzer for the Comprehension of the Spontaneous Arabic Speech", 9th International Conference on Computing CORE, Journal Research in Computing Science (**RCS Journal**), Vol 34, pp 129-140, CORE Mexico city - Mecxico.

2008   [**Maraoui et al, 2008**], *M. Maraoui, M. Mars*, "Un système de génération et étiquetage automatique de dictionnaires linguistiques de l'arabe", Conférence des jeunes chercheurs, RECITAL, Avignon France.

2007   [**Mars et al, 2007**], *M. Mars, M. Belgacem, G. Antoniadis, M. Zrigui*, "Analyseur Morphologique pour l'Arabe", Colloque International sur le Traitement Automatique de la Langue Arabe CITALA, Rabat Maroc.

2007   [**Mars et al, 2007**], *M. Mars, G. Antoniadis, M. Zrigui*, "A Morphological Analyser For Arabic Language", Conférence Internationale en Information Communication Technologie and Accessebility ICTA, Hammamet, Tunisie.

2006   [**Mars et al, 2006**], *M. Mars, M. Belgacem,*, "Development Of A Morphological Analyser For Arabic Language, Tool For Creation Of Educational Activities for Training Of Arabic", Conférence Internationale en Technologie Enhanced Learning (TEL) in Working Context, Grenoble, France.

LANGUAGES

Arabic **Native**

English **Professional workin g proficiency**

French **Full professional proficiency**

INTERESTS

○ Tunisian red crescent volunteer.

○ Travelling and discovering other cultures.
Visited countries: France, Germany, Belguim, Spain, Italy, Morocco, Switzerland, Turkey, United States of America (USA).