

CURRICULUM VITAE - **Abdelhak EL MOUHTADI, Ph.D.**

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- RESEARCH INTERESTS **Acoustics, Inverse Problem, Multiple Scattering, Ultrasound NDE**
- EDUCATION **University of le Havre** - Le Havre, France
Ph.D. (Acoustics), expected December 2011 (with High Honors), **Waves and Complex Media Laboratory**
Dissertation : Ultrasonic Characterization of Viscoelastic Homogeneous and Composite Plates (See My Research Statement), advised by Prof. Jean DUCLOS and Prof. Hugues DUFLO
Members of the Evaluation Committee : Prof. Pascal PAREIGE (Chairman), Prof. Catherine POTELE (reviewer), Prof. Marc LETHIECQ (reviewer), Prof. Sébastien GRONDEL and Engineer-Dr. Lionel GAY
- M. S. (Waves and Signals), June 2007
Research internship at the **Laboratory of Ultrasound Acoustics and Electronics**, supervised by Prof. Francine LUPPÉ and Prof. Jean-Marc CONOIR. Subject : Multiple Scattering in a Fluid Medium with a Random Variable Distribution of Cylinders (See My Research Statement)
- PEER-REVIEWED PUBLICATIONS J.M. Conoir, S. Robert, **A. El Mouhtadi**, F. Luppé. "Reflection and transmission at low concentration by a depth-varying random distribution of cylinders in a fluid slab-like region", *Wave Motion* 46 (2009), pp. 522-538, doi :10.1016/j.wavemoti.2009.06.015, available at : <http://dx.doi.org/10.1016/j.wavemoti.2009.06.015>
- CONFERENCE PRESENTATION **A. El Mouhtadi**, J. Duclos, H. Duflo. "Ultrasonic modeling of a viscoelastic homogeneous plate". Paper submitted for presentation at *The 11th French Congress of Acoustics jointly with the 2012 Annual IOA Meeting*, 23th-27th April 2012, Nantes, France
- A. El Mouhtadi**, J. Duclos, H. Duflo. "Experimental determination of plate parameters with an air coupled instrument". *The 6th conference of the GDR 2501 research on ultrasound propagation for NDT held jointly with the 10th anglo-french physical acoustics conference*, 18th-22nd January 2010, Lake district, UK. *Journal of Physics : Conference Series* 269 (2011) 012005, doi :10.1088/1742-6596/269/1/012005, available at : http://iopscience.iop.org/1742-6596/269/1/012005/pdf/1742-6596_269_1_012005.pdf
- A. El Mouhtadi**, J. Duclos, H. Duflo. "Simultaneous determination of physical and acoustical properties of a homogeneous plate in air". *Proc. IEEE International Ultrasonics Symposium*, Rome, Italy, 20th-23rd September 2009, pp.767-770 (2009)
- J.M. Conoir, S. Robert, **A. El Mouhtadi**, F. Luppé. "Reflection and transmission coefficients of a fluid slab-like region containing a depth-varying random distribution of cylinders". *Acoustics'08 Paris Conference*, Paris, 29th June-4th July 2008, proceedings on CD, ISBN 978-2-9521105-4-9

J.M. Conoir, S. Robert, **A. El Mouhtadi**, F. Luppé. "The WKB method applied to the reflection-transmission by a depth-varying random distribution of cylinders in a fluid slab-like region". *The 5th conference of the GDR-Ultrasound 2501*, Anglet, France, 2nd-6th June 2008. « Ultrasonic Wave Propagation in Non Homogeneous Media », Springer Proc. In Physics 128, ISBN 978-3-540-89104-8, pp. 1-13

TEACHING EXPERIENCE	2010 - present	Institute of Technology - Le Havre, France Teaching & Research Assistant (ATER) - Full-Time, Department of Management, business and administration Undergraduate Courses Taught : Microsoft Office 2007
	2007 - 2010	University of Le Havre - Le Havre, France Teaching Assistant (Monitorat) - third-time, Department of Engineering Sciences Undergraduate Courses Taught : - Practical work in Electronics, Signal Processing and Electromagnetism - Interference and Diffraction Course Graduate Courses Taught : - Numerical Analysis course with Fortran Applications - Signal Processing with Matlab® Applications
ACADEMIC HONORS AND AWARDS		Teaching & Research Fellow (2 years), University of le Havre, 2010-2012 Ministerial allowance (3 years), 2007-2010 Teaching Fellow (3 years), 2007-2010 French Acoustical Society (Group of Physical Acoustics, Underwater and Ultrasonic) Student Travel Grant for Conference, 2009
PROFESSIONAL AFFILIATIONS		French Acoustical Society, Student Member, 2007-present
SKILLS		Computer Skills : Matlab®, Fortran, L ^A T _E X Foreign Languages Skills : Native in Arabic. Fluent in French. Proficient in English
REFERENCES		Jean DUCLOS, Professor Emeritus, University of Le Havre <i>E-mail</i> : jean.duclos@univ-lehavre.fr Hugues DUFLO, Professor, University of Le Havre Francine LUPPÉ, Professor, University of Le Havre <i>E-mail</i> : francine.luppe@univ-lehavre.fr Pascal PAREIGE, Professor, University of Le Havre <i>E-mail</i> : pascal.pareige@univ-lehavre.fr