FACULTY FULL NAME: Mohamed Fahmi Ben Hassen

POSITION: Associate Professor

Personal Data

Nationality | Tunisian

Date of Birth | ۲۳/+۷/۱۹۷٦

Department | Basic Sciences

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Office Phone No. | •\\TTTTOV\\\9

Language Proficiency

Language	Read	Write	Speak
Arabic		mother tongue	
English	Fluent		
French		Fluent	

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Specialization field	University
2011	Habilitation	Applied Mathematics	Tunis el Manar
2004	PhD	Applied Mathematics	Tunis el Manar
1999	Master	Applied Mathematics	Tunis el Manar

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

Fellowship	Post-doctoral fellowship, Institute for Numerical and Applied Mathematics, Georg-August-University
	Goettingen, Germany, ۲۰۰٤-۲۰۰0.
PhD Recovery and identification of pointwise sources and small size inclusions, with honors	
Master	Study of some inverse problems of identification of cavities and inclusions

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Associate Professor	Imam Abdulrahman University, Dammam, KSA	Since September ۲۰۱۳
Associate Professor	University of Tunis-el Manar, Tunisia	2012-2013
Assistant Professor	University of Tunis-el Manar, Tunisia	2006-2011
Post-Doc	Georg-August-University Goettingen, Germany	2004-2005

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
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General Coordinator of the Humanities Track	Deanship of Preparatory and Support Studies, Imam Abdulrahman University.	2017-2018
Head of the Department of Basic Sciences	Deanship of Preparatory and Support Studies, University of Dammam, KSA.	2014-2016

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of
			Publication
1	Ben Hassen, F.; Boukari, Y. and Haddar, H.	Application of the linear sampling method to identify cracks with impedance boundary conditions	Inverse Problems in Science and Engineering, 2013
2	Ben Hassen, M.F.; Ivanyshyn, O. and Sini, M.	Three-dimensional acoustic scattering by complex obstacles: the accuracy issue	Inverse Problems, 2010
3	Ben Hassen, M.F.; Erhard, K. and Potthast, R.	The singular sources method for 3d inverse acoustic obstacle scattering problem	IMA J. Appl. Math., 2010
4	Ben Hassen, F.; Boukari, Y. and Haddar, H.	Inverse impedance boundary problem via the conformal mapping method: the case of small impedances	ARIMA, 2010
5	Ben Abda, A.; Ben Hassen, F.; Leblond, J. and Mahjoub, M.	Sources recovery from boundary data: a model related to electroencephalography	Mathematical and Computer Modelling, 2009
6	Ben Hassen, M. F.; Potthast, R. and Liu, J.J.	On source analysis by wave splitting with applications in inverse scattering of multiple obstacles	J. of Computational Math, 2007
7	Ben Hassen, M.F.; Erhard, K. and Potthast, R.	The point source method for 3d reconstructions for the Helmholtz and Maxwell equations	Inverse Problems, 2006
8	Ben Hassen, F. and Bonnetier, E.	An asymptotic formula for the voltage potential in perturbed ϵ -periodic composite medium containing misplaced inclusions of size ϵ	Proceedings of the Royal Society of Edinburgh. Section A. Mathematics, 2006
9	Baratchart, L.; Ben Abda, A.; Ben Hassen; F. and Leblond, J.	'Recovery of pointwise sources and small size conductivity defaults by rational approximation'	Inverse Problems, 2005
10	Ben Hassen, F. and Bonnetier, E.	Asymptotic formulas for the voltage potential in a composite medium containing close or touching disks of small diameter	Multiscale Model. Simul., 2005

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
	Ben Hassen F, Leblond J, Paduret C, Rigat S and Zghal M	Sources Localisation in Ellipsoids by Best Rational Approximation in Planar Sections	Proceedings of the Institute of Acoustics Volume 30 Pt.2, 2008

Completed Research Projects

#	Name of Investigator(s)	Research Title	Date

	(Supported by)		
1	M.F. Ben Hassen and H. Haddar	Innovative methods in imaging and non-	2008-2009
	(STI, Tunisian universities-INRIA France)	destructive testing of structures	

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Numerical Mathematics and Application to some Challenging Problems (Numac 2013)	June 24-26, 2013, Sevilla, Spain.	Invited Speaker
2	6th International Conference on Inverse Problems, Control and Shape Optimization (PICOF'12)	April 2-4, 2012, Paris, France.	Invited Speaker.
3	Contrôle, Imagerie et Probabilités en Méditerranée (CIPM2011)	October24-28, 2011, Nice, France.	Invited Speaker.
4	5th International Conference on Inverse Problems, Control and Shape Optimization (PICOF'10)	April 7-9, 2010, Cartagena, Spain.	
5	Workshop on Inverse Problems for Waves: Methods and Applications	March 29-30, 2010, Palaiseau, France.	
6	10th International Workshop on Optimization and Inverse Problems in Electromagnetism (OIPE 2008)	September 14-17, 2008, Ilmenau, Germany	
7	Spring Conference of the Institute of Acoustics 2008: Widening Horizons in Acoustics	April 10-11, 2008, Reading, UK	
8	The 8th International Conference on Mathematical and Numerical Aspects of Waves (Waves 2007)	July 23-37, 2007, Reading, UK	
9	Conférence Euro-Méditerranéenne sur les Biomathématiques	June26-28, 2007, Cairo, Egypt	
10	The Mathematics of Finite Elements and Applications (MAFELAP'06)	June 13-16, 2006, London, UK	
11	Inverse Problems, Control and Shape Optimization (PICOF'06)	April 5-7, 2006, Nice, France	
12	Eighth U.S. National Congress on Computational Mechanics (USNCCM8)	July 24-28, 2005, Austin, Texas, USA	
13	Trends in Applied Mathematics in Tunisia, Algeria, Morocco	April 14-18, 2003, Morocco	
14	Applied Math. Applic. of Math. (AMAM'2003)	February 10-13, 2003, Nice, France	
15	Workshop on Inverse Obstacle Problems (WIOP02)	November 4-6, 2002, Lisbon, Portugal	
16	The First International Conference on Inverse Problems: Modeling and Simulation	July 14-21, 2002, Fethiye, Turkey.	
17	Inverse Problems, Control and Shape Optimization (PICOF'02)	April 10-12, 2002, Tunis	
18	32ème Congrés National d'Analyse Numérique (CANUM 2000)	June 5-9, 2000, France	

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
	PhD		University of Tunis el Manar	2012

7 masters	τ	Jniversity of Tunis el Manar	2007 - 2012	

Committee and Community Service (Beginning with the most recent)

Committee Membership

#	From	To	Position	Organization
2018 -		-	Coordinator of the committee of follow up of the implementation of the Strategic Plan	Deanship of Preparatory Year, Imam Abdulrahman University
2017 -		-	Committee Leader for Mathematics and Statistics Courses Development Committee, Quality Assurance System Dashboard program (QASD)	Imam Abdulrahman University
	2016	-	Coordinator of the Committee for design and preparation of Mathematics and Statistics Textbooks	Deanship of Preparatory Year, Imam Abdulrahman University
	2016		Member of the Committee for the development of the Engineering Track program	Imam Abdulrahman University
2015 2016 2015 2016		2016	Coordinator of the Academic Advising Committee	Deanship of preparatory and support studies, University of Dammam
		2016	The Studies and Research Committee	Deanship of preparatory and support studies, University of Dammam
	2015	2016	Developing Educational Skills Committee	Deanship of preparatory and support studies, University of Dammam
2014 -		-	Committee for Employment of foreign teachers	Department of Basic Sciences, Deanship of preparatory and support studies, University of Dammam
	2013 2013 2012		Committee for selection of candidates for entry into engineering schools	University of Tunis el Manar, Tunisia
			The Organizing Committee of 11th International conference: mathematical & numerical aspects of Waves (WAVES'2013)	Tunis, Tunisia
			The Organizing Committee of the International Conference on Spectral and High Order Methods (ICOSAHOM 2012)	Tunis, Tunisia
	2007	2013	Committee for selection of candidates for entry into the first year of Master of Applied Mathematics	University of Tunis el Manar, Tunisia
	2007		The Organizing Committee of the International Conference on Numerical Methods and Modelling (MEMO'07)	Tunis, Tunisia

Scientific Consultations

#	From	То	Institute	Full-time or Part-time
		-	Institute of Physics IoP	Peer-review of scientific publications for Inverse Problems journal

Inverse Problems in Science & Engineering journal	Peer-review of scientific publications
Acta Mathematica Scientia journal (AMASCI)	Peer-review of scientific publications
European J. of Mechanics A/Solids (EJMSOL)	- Peer-review of scientific publications
2014 University of Sfax, Tunisia	External referee for doctoral thesis of N. Mars
2012 University of Nice-Sophia France	, External referee for doctoral thesis of A.M. Nicu

Last Update

06/12/2018