Biographical sketch of Habib Ammari

Professor of Applied Mathematics
Department of Mathematics, ETH Zürich

Personal data

Born June 28, 1969, in Eljem, Tunisia; married; one son; tunisian citizen.

Contact information

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Educational Record

Habilitation Degree, Mathematics, January 1999, University of Paris VI, France.

Doctor of Philosophy, Applied Mathematics, May 1995, Ecole Polytechnique, France.

Master of Science, Applied Mathematics, June 1993, Ecole Polytechnique, France.

Bachelor of Science, July 1992, Ecole Polytechnique, France.

Baccalaureate, June 1988, Tunisia, Presidential Prize.

Research Interests

Wave propagation in complex media, inverse problems and imaging.

Awards and Honors

Member of the Tunisian Academy of Sciences, Letters and Arts, 2015-.

Khwarizmi International Award 2015 in Basic Sciences.

Kuwait Prize 2013 in Basic Sciences.

European Research Council Advanced Investigator Grant 2010.

Professional Experience

Professor of Applied Mathematics, ETH Zürich, 2015–

Director of Research at the French National Center for Scientific Research, Department of Mathematics and Applications, Ecole Normale Supérieure, 2010-2015.

Director of Research at the French National Center for Scientific Research, Center of Applied Mathematics, Ecole Polytechnique, 2006-2010.

Adjunct Professor in Applied Mathematics at Ecole Polytechnique, 2005-2015.

Researcher at the French National Center for Scientific Research, 1997-2006.

Researcher at Ecole Polytechnique, 1995-1997.

Books

6 authored books (1 published by the American Mathematical Society, 1 published by Princeton Academic Press, and 4 by Springer).

10 edited books (5 published by the American Mathematical Society, 3 by Springer, 1 by the French Society of Industrial and Applied Mathematics, and 1 by the French Mathematical Society).

Publications

More than 200 papers in leading international peer-reviewed journals (60 papers in SIAM journals, Trans. of the AMS, Arch. Rat. Mech. Anal., Comm. Math. Phys., Math. of Comp., Num. Math., CPDE, JDE, Ann. Sci. Ecole Norm. Sup., J. Math. Pures Appl., Proc. AMS, Math. Ann., Proc. Natl. Acad. Sci. USA, . . .)

Publication citations

MathSciNet: 2571 Sum of Times Cited by 825 Authors;

ISI Knowledge: 2867 Sum of Times Cited; h-index: 29; Essential Science Indicators-Rank in Mathematics (2011): 148.

GoogleScholar: 7010 sum of Times Cited; h-index: 43; i10 index: 150;

Visiting professorships

Mathematical Sciences Research Institute, Berkeley (2001), Institute of Pure and Applied Mathematics, UCLA (2003), Seoul National University (2006), Korean Institute of Advanced Science and Technology (2012), Yonsei University (2013, 2014).

List of PhD students and postdocs advised

29 PhD students: N. Béreux (PhD 1998), C. Latiri-Grouz (PhD 1999), A. Khelifi (PhD 2002), F. Triki (PhD 2002), K. Touibi (PhD 2004), S. Soussi (PhD 2004), E. Iakovleva (PhD 2004), H. Zribi (PhD 2005), K. Laouti (PhD 2006), A. Dossevi (PhD 2007), A. Kozhemyak (PhD 2008), W.K. Park (PhD 2009), P. Garapon (PhD 2009, Best Thesis Prize at Ecole Polytechnique), S. Khan (PhD 2010), L. Guadarrama Bustos (PhD 2010), V. Jugnon (PhD 2010, Best Thesis Prize at Ecole Polytechnique), J.B. Bellet ((PhD 2010), A. Wahab (PhD 2011), T. Boulier (PhD 2013), L. Giovangigli (PhD 2014), and L. Seppecher (PhD 2014); P. Millien (PhD 2015), A. Dabrowski, B. Fritzpatrick, F. Romero, M. Ruiz, T. Wintz, W. Wu, and W. Zhang.

22 postdocs: M. Lim (2003-2006), E. Kim (2005-2006), J.P. Groby (2006-2007), S. Gdoura (2009-2010), A. Rozanova (2006-2007), C. Poignard (2006-2008), H. Lee (2007-2008), G. Ciraolo (2008-2009), K. Kalimeris (2009-2010), E. Bretin (2009-2011), Y. Deng (2012-2013), W. Jing (2011-2013), M.P. Tran (2012-2013), L. Nguyen (2011-2013), H. Wang (2011-2014), A. Waters (2013-2015), H. Zhang (2013-2015), G. Alberti (2014-), T. Widlack (2015-), G. Zheng (2015-), D. Gontier (2015-), S. Yu (2015-).

Selected recent synergetic activities

Member of the European Research Council Starting Grant Panel (PE1), 2013–.

Member of the Cancer Plan Panel of the French National Institute of Health and Medical Research, 2011–2014 and 2016–.

Editorial board member of Journal de l'Ecole Polytechnique, Mathematical Methods in the Applied Sciences, Inverse Problems and Imaging, Inverse Problems in Science and Engineering, Journal of Computational Mathematics, Numerical Mathematics: Theory, Methods and Applications; managing editor of Modelling and Simulation in Medical Imaging, Book Series, Imperial College Press, UK.

Co-Chair, Optical Society of America Conference on Mathematics in Imaging, July 2016, Heidelberg; co-organizer, Optical Imaging and Inverse Problems; IMA Thematic Year on Mathematics and Optics, Minneapolis, 2017; ICM 2014 Satellite Conference on Imaging, Multi-Scale and High Contrast PDE; CIMPA School 2013 on Mathematical and Statistical Tools for Imaging; Summer School 2012 on Mathematical and Statistical Methods for Imaging, Chinese Academy of Science.

Member of the Scientific Advisory Board of Photoacoustic network, Austria, 2011–2014.

Member of the Scientific Committee of Applied and Inverse Problems Conference 2013 and 2017; Member of the Calderón Prize Committee 2013.