

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; French-Tunisian citizen; Swiss permanent resident.

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

Fellow of the American Mathematical Society, Class 2022
Member of the Academia Europaea, 2021–.
Member of the European Academy of Sciences, 2018–.
Highly Cited Researcher in Mathematics by Clarivate Analytics, 2016.
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 2010–2016.

Professional experience

Full-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

8 authored books (2 published by the American Mathematical Society, 1 published by Princeton Academic Press, 1 by World Scientific, 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 280 papers in leading international peer-reviewed journals (SIAM journals (92 papers), Trans. AMS, JEMS, Arch. Rat. Mech. Anal., Comm. Math. Phys., Math. of Comp., Num. Math., CPDE, Ann. Sci. Ecole Norm. Sup., J. Math. Pures Appl., Proc. AMS, Math. Ann., J. London Math. Soc., Proc. Natl. Acad. Sci. USA, ...).

Publication citations

MathSciNet: 6005 Sum of Times Cited by 1718 Authors;

ISI Knowledge: 6799 Sum of Times Cited; h-index: 43;

GoogleScholar: 13431 sum of Times Cited; h-index: 60; i10 index: 236.

List of PhD students and postdocs advised

39 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), L. Seppecher (PhD 2014); P. Millien (PhD 2015), M. Ruiz (PhD 2017), T. Wintz (PhD 2017), W. Zhang (PhD 2017), W. Wu (PhD 2018), F. Romero (PhD 2018), B. Fitzpatrick (PhD 2018), A. Dabrowski (PhD 2018), L. Baldassari (PhD 2021), E. Orvehed Hiltunen (PhD 2021), B. Davies (PhD 2021), K. Imeri (PhD 2021), A. Scapin (PhD 2021), J. Cao (2021-), T. Kosche (2021-), K. Alexopoulos (2021-), L. Rueff (2022-), and S. Barandun (2022-).

26 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), G. Alberti (2014-2016), H. Zhang (2013-2015), T. Widlack (2015-2016), G. Zheng (2015-2016), D. Gontier (2015-2016), S. Yu (2015-2019), A. Vanel (2018-2021), F. Feppon (2020-), P. Liu (2021-), and S. Becker (2022-).

Selected recent synergetic activities

Member of the European Research Council Starting Grant Panel (PE1), 2013–2019 and Expert for Synergy Calls (2019-).

Member of the Scientific Review Panel, Hong Kong Laureate Forum 2021.

Editorial board member of SIAM Journal on Applied Mathematics, SIAM Journal on Imaging Sciences, Journal of Computational Physics, Journal de l'Ecole Polytechnique, Mathematical Methods in the Applied Sciences, Inverse Problems and Imaging, Journal of Inverse and Ill-posed Problems, and Zürich Lectures in Advanced Mathematics.

Member of the Scientific Committees of the Applied and Inverse Problems Conferences 2013, 2017, and 2019, and member of the Calderon Prize Committee 2013.

Member of the Peter Henrici Prize Committee 2019.

Organizer of Minicourse on Mathematics of Emerging Biomedical Imaging IV (March 24-26, 2010); III (February 4-6, 2009); II (February 11-13, 2008); I (March 21-23, 2007), Institut Henri Poincaré, Paris.

Lifetime member of the Swiss Mathematical Society, the European Mathematical Society, the American Mathematical Society and the Society for Industrial and Applied Mathematics (SIAM).

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, 2015).