**Curriculum Vitae**

**Personal Information**

**Name:** Maha Al-Ammari

**Nationality:** Saudi

**Relationship Status:** Married

**Number of Children:** two

**E-mail:** [malammari@ksu.edu.sa](mailto:malammari@ksu.edu.sa)

**Phone Number:** 8055493

**Profile Overview**

* Self-motivated, hardworking and goal-oriented with flexibility, commitment and optimism
* Adaptable to the new environment, devoted, conceptual thinker, honest, perseverance and cooperative
* Understanding of education/ administration with quantitative and conceptual abilities; leverage keen analysis, insights and team approach to drive organizational improvements and implementation of best practice

**Credentials**

* PhD: Doctor of Philosophy in Applied Numerical Computing, The University of Manchester, Manchester, United Kingdom, 2011
* MSc: Master of Science in Mathematics-Functional Analysis, King Saud University, Riyadh, Saudi Arabia with grade 4.94 out of 5, 2006
* BSc : Bachelor of Science in Mathematics, King Saud University, Riyadh, Saudi Arabia with an Excellent grade 4.99 out of 5 and  first class honor, 2003
* High School: Al-Abnaa’  School, Riyadh, Saudi Arabia with an excellent grade 99.9 %, 1999
* Spoken Languages: Arabic and English

**Professional Experience**

* Vice Head of Mathematics Department at King Saud University, Riyadh, Saudi Arabia, September 2015-September 2017

(The Department got the National Academic Accreditation in 2016 and is planning to renew the International Academic Accreditation in 2017)

* Assistant Professor of Applied Mathematics at King Saud University, Riyadh, Saudi Arabia, 2011-now
* Member of the Board of Directors for the Saudi Society for Mathematical Sciences since May the 15th, 2017.
* A demonstrator at Mathematics Department in the College of Science, King Saud University, Riyadh, Saudi Arabia, 2004-2008
* A demonstrator at Mathematics Department in The University of Manchester, 2009-2010
* An assistant trainer at Mawhiba, Summer Camp, Riyadh, Saudi Arabia, 2011
* A member in the Examinations committee at Mathematics Department in the College of Science, King Saud University, Riyadh Saudi Arabia, 2011
* A member in the committee of developing the educational process in the Department of Mathematics at King Saud University, 2012-2013
* A member of the Organizing Committee for the 4th "Teaching and Learning Mathematics in General Education- Distinct research and experiences" Conference ,King Saud University, Riyadh 21-23 / 10/2014

**Professional Development**

**Attended Courses and Workshops**

* A course on Qualifying Administrative Leaders, 8—10 January 2016, King Saud University, Riyadh, Saudi Arabia.
* A program in Student-Centered Learning, 08 December 2016, King Saud University, Riyadh, Saudi Arabia.
* Teaching and Learning, 27-31 July 2015, University of South Florida, Tampa, United States of America.
* The Basics of Career Assessment, 17-18 May 2015, King Saud University, Riyadh, Saudi Arabia.
* Elaborating Tables and Registration Mechanism, 2-3 November 2014, King Saud University, Riyadh, Saudi Arabia.
* Effective teaching workshop, December 2012, King Saud University, Riyadh, Saudi Arabia.
* Safe and Comfortable Learning Context Workshop, November 2012, King Saud University, Riyadh, Saudi Arabia.
* Professional teaching competencies in HE, November 2012, King Saud University, Riyadh, Saudi Arabia.
* Workshop on learning based brainstorming, 16-17 September 2012, King Saud University, Riyadh, Saudi Arabia.
* Workshop on training young students for the Mathematics Olympics, 25-30 August 2012, Mawhiba, Saudi Arabia.
* Viva Survivor Workshop, Faculty of Engineering and Physical Sciences, 21st July 2010, The University of Manchester, UK.
* Graduate Teaching Assistance (GTA) Workshop, Faculty of Engineering and Physical Sciences, 20th February 2009, The University of Manchester, UK.
* Supporting Postgraduate Students who teach Mathematics and Statistics Workshop. 6th November 2008, The University of Manchester, UK.
* Academic Writing Workshop, Faculty of Engineering and Physical Sciences, 11th February 2008, The University of Manchester, UK.

**Memberships**

* SIAM-Society of Industrial and Applied Mathematics
* ILAS-International Society of Linear Algebra
* Saudi Association for Mathematical Sciences

**Research**

**Published Papers**

* Hermitian matrix polynomials with real eigenvalues of defiinite type-part I:  Classification. Linear Algebra Appl., 436 (2012), 3954-3973.
* Standard Triples of Structured Matrix Polynomials. Linear Algebra Appl., 437 (2012), 817-834.

**Papers to appear**

* M. Al-Ammari, Jia and F. Tisseur. Structured inverse quadratic eigenvalue problems. In preparation.
* M. Al-Ammari, Y. Nakatsukasa, V. Noferini and F. Tisseur. On the Sign Characteristic of Structured Matrix Polynomials. In preparation.

**Theses**

* Analysis of Structured Polynomial Eigenvalue Problems, Ph.D. Thesis, The University of Manchester, August 2011.
* Products of Bergman Space Toeplitz Operators and Brown-Halmos Type Theorems, M.Sc. Thesis, King Saud University, June 2006.

**Scientific Refereeing**

* Participating as a referee at The First Cultural Scientific Concourse for the Girl Students from Universities and Institutes of Higher Education in the GCC, 20 January 2015, Riyadh, Saudi Arabia
* Refereed for Arab Journal of Mathematical Sciences (AJMS), 2014.
* Refereed for Linear Algebra and its Applications Journal (LAA), 2013.
* Participating as a referee at National Olympiad for Scientific Creativity on 19/3/2012, Riyadh, Saudi Arabia
* Refereed for IMA Journal of Numerical Analysis and SIAM Journal on Matrix Analysis and applications, 2011.
* Participating as a referee at National Olympiad for Scientific Creativity on 19/3/2012, Riyadh, Saudi Arabia

**Talks at Conferences**

* SIAM Conference on Applied Linear Algebra, 18-22 June 2012, Universitat Politecnica De Valencia, Spain. "Standard Triples of Structured Matrix Polynomials"
* ILAS conference, 21-25 June 2010, Pisa Italy. "Classification of Hermitian Matrix Polynomials with Real Eigenvalues"
* 23rd Biennial Conference on Numerical Analysis 23-26 June 2009, Strathclyde University, Glasgow, Scotland "Quasidefinite Matrix Polynomials"
* Young Researchers Workshop on Spectral Theory, Quantum Chaos and Random Matrices, June 29th-July 1st, 2009, Cardiff University, UK. "Hyperbolic Matrix Polynomials"

**Attended Conferences and Workshops**

* SIAM Conference on Applied Linear Algebra, 26-30 October 2015, Hayatt Regency Atlanta, Atlanta, Georgia, USA
* The First Cultural Scientific Concourse for the Girl Students from Universities and Institutes of Higher Education in the GCC, 20 January 2015, Riyadh, Saudi Aarbia
* 2012 SIAM Conference on Applied Linear Algebra, 18-22 June 2012, Universitat Politecnica De Valencia, Spain.
* GCF, January 21st-24th 2012, Riyadh, Saudi Arabia.
* MOPNET4, April 27th-March 28th 2011, The University of Manchester, UK.
* The 2nd Manchester SIAM Student Chapter Conference, May 20th, 2011, The University of Manchester, UK (presented poster: Numerical Linear Algebra Group in Manchester).
* The 1st Manchester SIAM Student Chapter Conference, April 62th, 2010, The University of Manchester, UK.
* MOPNET2, March 29th-March 30th 2010, University of Nottingham, UK.
* The 3rd Annual Oxford University SIAM Student Chapter, February 9th, 2010, University of Oxford, UK.
* Mathematics Research Students Conference (MRSC), May 2009, The University of Manchester, UK.
* The 50th British Applied Mathematics Colloquium (BAMC), 31 Mar-3 April 2008, The University of Manchester, UK.
* Workshop on New Directions in Functions of Matrices, May 2008, The University of Manchester, UK.
* Workshop on Structured Matrix Polynomials, 13th November 2007, University of Nottingham, UK.

**Activities**

* Attending "The Higher Education of Girls in The Kingdom" Symposium, 14/1/2013, Riyadh, Saudi Arabia
* Organizing the 1st Manchester SIAM Student Chapter Conference, April 26th, 2010, Manchester, UK
* Participating in Saudis around the world radio program, England, 2010
* Participating in "A returning scholarship student" event  at King Saud University, Riyadh, Saudi Arabia, 2011
* Participating in organizing the open day at King Saud University,  Riyadh, Saudi Arabia, 2005

**More on General Education**

* Attending selected sessions of WEP 2013, KAUST, Thuwal, Saudi Arabia, January 2013.
* Interested in self- development.
* A workshop on virtual classrooms, October 2012, King Saud University.
* A course on using smart board and display stand (E-podium) effectively, 18 September 2012, King Saud University.
* Computer courses on Microsoft front page,  Adobe Photoshop and Macromedia flash, New Horizon, Riyadh, Saudi Arabia, 2004
* English Language Courses, Direct English, Riyadh, Saudi Arabia, 2005
* A course on Scientific Research,  Research Center, King Saud University, Riyadh, Saudi Arabia, 2005
* A course on  French Language for beginners,  The International Society, The University of Manchester, Manchester, United Kingdom