

Curriculum Vitae

PERSONAL INFORMATION

Name: Obaid Jefain Julaighim Algahtani

Qualification: Ph. D in Mathematics

Date of Birth: 1/7/1978

Nationality: Saudi

Marital Status: Married

Languages: Arabic, English,

PERMANENT ADDRESS

Home: Saudi Arabia

Riyadh

Tel : (+966) 11 4683728

E-mail : obalgahtani@ksu.edu.sa

ksumaths@gmail.com

obaidmath@hotmail.com

Web site: <http://faculty.ksu.edu.sa/25322>

Work:

(Permanent address)

King Saud University,

Science College, Department of Mathematics

P.O. Box 4341,

Riyadh 11491, Saudi Arabia.

Tel: (+966) 11 4676511

Fax: (+966) 11 4915684

(Present address)

King Saud University,

Science College, Department of Mathematics

P.O. Box 4341,

Riyadh 11491, Saudi Arabia.

Tel: (+966) 11 4676511

Fax: (+966) 1 4915684

TITLE AND EDUCATION

2011	Ph.D. in Mathematics Faculty of Science, University of King Fahd University, Saudi Arabia.
2007	M.Sc. in Mathematics. Faculty of Science, University of King Abdul-Aziz, Saudi Arabia.
2001	B.Sc. in Mathematics. Faculty of Teachers, University of King Khalid, Saudi Arabia.

ACADEMIC APPOINTMENTS

2013 – Now	Chair, Department of Basic Sciences, Preparatory Year Deanship, King Saud University, Saudi Arabia
2012- Now	Assistance Professor, Department of Mathematics Science College, King Saud University, Riyadh, Saudi Arabia.
2011- 2012	Assistance Professor, Department of Mathematics Teachers College, King Saud University, Riyadh, Saudi Arabia.
2007 - 2011	Lecturer, Department of Mathematics, Teachers College, King Saud University, Riyadh, Saudi Arabia.
2004 - 2007	Demonstrator, Department of Mathematics, Teachers College, King Saud University, Riyadh, Saudi Arabia.
2001 – 2004	Teacher , Ministry of Education, Saudi Arabia

FIELDS OF INTERESTS

Partial Differential Equations , Interval Analysis, Wavelets , Dynamic Systems, System Identification, Filtering,.

COURSES TAUGHT

ACADEMIC YEAR	COURSES		NOTICES
	Code	Name	
2004-2005	111 - Math	Basics of Algebra	In Teachers College, King Saud University, Riyadh, KSA
	121 - Math	Analytical Geometry	
	104 - Math	Mathematics for Science(1)	
	206 - Math	Linear Algebra	
	201 - Math	Calculus (1)	
2007-2008	303 - Math	Calculus 3	In Teachers College, King Saud University, Riyadh, KSA
	332 - Math	Probability and Statistics (2)	
	120 - Math	Algebra and Analytical Geometry	
	101 - Math	Calculus1	
	361- Math	Ordinary Differential Equation	
2011- 2012	202 - Math	Calculus2	In Teachers College, King Saud University, Riyadh, KSA
	453 - Math	Complex Analysis	
	303 - Math	Calculus 3	
	461- Math	Applied Mathematics	
	361- Math	Ordinary Differential Equations	
2012 - 2014	Math - 204	Differential Equations	In Science College, King Saud University, Riyadh, KSA
	Math – 225		
	Math - 499		

COMMITTEES

1. Applied Mathematics committee
2. Analysis committee
3. Higher study committee
4. Curriculum planning committee.

TECHNICAL SKILLS

General skills in mathematics and computing. Specific expertise and interests in:

1. Mathematical software: Matlab, Maple, Mathcad.
2. Text formatting and office computing: LaTeX, Word, Excel, PowerPoint.

CONFERENCES AND WORKSHOPS

- 1 - A training course entitled "Mathematics Education" for three weeks, the Ministry of Education, KSA, in 2002.
- 2 - A training course entitled "The discovery of talented and caring" for three days, the Ministry of Education, KSA, 2003.
- 3 - A workshop entitled "Strategies to Solve Mathematics Competitions" for three days, King Fahd University, KSA, in 2010.
- 4 – A workshop on "professional standards to test the capacity of teachers" for three days, the National Center for measurement and evaluation, KSA, in 2011 .
- 5- "The first annual meeting of the university teaching", King Saud University, KSA, 2011.
- 6 - A training course entitled "*Course Design and Construction*" for three days, King Saud University, KSA, in 2011.
- 7 - A training course entitled "*Effective Teaching and Management System.*" for two days, King Saud University, KSA, in 2011.
- 8 - A training course entitled "*Student Assessment Classroom Management*" for three days, King Saud University, KSA, in 2011.

- 9 - A training course entitled "*Micro Teaching* " for one day, King Saud University, KSA, in 2011.
- 10- A training course entitled "Integrate technology in university teaching " for three days, King Saud University, KSA, in 2012.
- 11 - A training course entitled "Support student learning " for three days, King Saud University, KSA, in 2012.
- 12 - A training course entitled "The development of a teaching " for one day, King Saud University, KSA, in 2012.
- 13 - A training course entitled "Teaching based on specialization and educational research" for two days, King Saud University, KSA, in 2012.
- 14- "International Conference on Numerical Analysis and Optimization" for three days, KFUPM, KSA, in 2011.
- 15 "2nd Math Days" for two days, King Saud University, KSA, in 2012.
- 16- Head of research group in Mathematics for one year (2012) in King Saud University, KSA.
- 17- 25th Biennial Numerical Analysis Conference , for four days in Department of Mathematics and Statistics, University of Strathclyde, Glasgow, UK, 2013.
- 18- Workshop on Special Functions and its Applications, for two days , King Saud University, KSA in 2013..
- 19 - 3rd Annual International Conference on Computational Mathematics, Computational Geometry & Statistics (CMCGS 2014), for two days, Singapore, in 2014 (Participant).

ASSOCIATIONS' MEMBERSHIP

- 1- Saudi Mathematical Sciences Association since 2004.
- 2- American Society for Mathematical Sciences.

LIST OF PUBLICATIONS

A. PAPERS:

1. O. Algahtani, J. Al-Mutawa, M. El-Gebeily; R. Agarwal; The interval versions of the Kalman Filter and the EM algorithm , Advanced in difference equations Journal, 2012.
2. O. Algahtani, M. El-Gebeily; Y. Khulief, Output only identification of system parameters from noisy measurements by multi-wavelet denoising, Advanced in Mechanical Engineering Journal, 2014.
3. O. Algahtani, Solution of the Boltzmann diffusion equation by pseudo spectral method, Journal of Applied Mathematics, 2014 (Sent).
4. O. Algahtani, An application of a new interval arithmetic to state space model, (in processing).

B. BOOKS:

- O. Algahtani, Wavelets Theory and Applications, in processing (funded by Deanship of Scientific Research, King Saud University).