

## ***CURRICULUM VITAE***

- Name:*** *Mosaad A. S. Alabdullatif.*
- Birth Date:*** *22/3/1967.*
- Birth Place:*** *Riyadh, Saudi Arabia.*
- Current Position:*** *Associate Professor, member of staff. (Currently on a sabbatical leave in the UK)*
- Address:*** *Department of Mathematics,  
College of Science, King Saud University,  
P. O. Box 2455, Riyadh 11451  
Saudi Arabia.  
Email: [mosaad@ksu.edu.sa](mailto:mosaad@ksu.edu.sa)  
Tel: +96614676486 (work)  
fax: +96614676512*
- Research Interest:*** *Discrete Mathematics, Graph Theory, Number Theory.*
- Languages:*** *Arabic and English.*
- Education:***
- 1. Bachelor of Science with honor, Math. Dept. – King saud University, Saudi Arabia (1989).*
  - 2. Master of Science, Math Dept. – The University of Illinois at Urbana-Champaign, USA (1992).*
  - 3. Doctorate Of Philosophy, Math Dept. – Keele University, England (1997). Thesis Title: 'Extremal graphs with Hamiltonian related properties'. Supervisor: Keith Walker.*
- Teaching Experience:*** *Most of Math fields, including Combinatorics, Algebra, and Analysis.*

**Career History:**

- *Vice-Dean of College of Science (KSU) for Academic Affairs 9/4/2005-8/4/2007.*
- *Associate Professor, Mathematics Department since Sep 2007.*
- *Chairman of Math. Dept. – King Saud University. 2000-2002.*
- *President of SAMS (Saudi Association for Mathematical Sciences)- Riyadh, 2001-2004.*
- *Director of NCMS (National Center for Mathematical Sciences)- Riyadh, 1999-2004.*
- *Supervisor of the National Mathematics Contest for Saudi secondary schools, 1999-2006.*
- *Assistant Professor, King Saud University 1998-2007.*
- *Teaching Assistant, King Saud University 1989-1990.*

**Consultations:**

- *Chairman of (Math) group for designing qualification tests for mathematics teachers of the ministry of education.*
- *Designer of a suggested program in mathematics for girls technical secondary schools.*
- *Consultations with National Center for Mathematics and Physics.*

**Referee and Reviewing:**

- *King Abdulaziz City for Science and Technology.*
- *Ministry of higher education (reviewer of translated books)*
- *Ars Combinatoria*

**Committees and Supervision :**

- *Mathematics department representative in research center of the college of science 1999/2000.*
- *Member of college of science council 2000-2002, 2005-2007.*
- *Higher studies proposal committee. College of Science, KSU.*

- *Distinguished Student Welfare and Teaching Assistant Committee. College of Science, KSU.*
- *Planning and Academic System Committee. College of Science, KSU.*
- *Student affair committee. College of Science, KSU.*
- *Higher Study Committee, Math Department, College of Science, KSU.*
- *Discrete Mathematics Committee. , Math Department, College of Science, KSU.*

***Memberships:***

- *SAMS, Saudi Association for Mathematical Sciences.*
- *BCB, British Combinatorial Bulletin.*
- *AMS, American Mathematical Society.*
- *ICA, The Institute of Combinatorics and its Applications.*

***Training:***

- *Workshop on Teaching Design, KSU, Riyadh, July 2007.*
- *Electronic Teaching Design, KSU, Riyadh, July 2007.*

***Published Papers:*** # *On Quasi Hamiltonian-Connected Graphs, JCISS, Vol. 22, No. 1, 1997, 1-8.*

# *Extremal Graphs Which Contains no Cycles or Paths of Specific Lengths, BICA, Vol. 25, 1999, 41-52.*

# *Graphs Non-Span. by  $r$  Disjoint Paths (With K. Walker), Discrete Mathematics, 208/209, 1999, 9-12.*

# *On Locally Hamiltonian Graphs and Locally Traceable Graphs, BICA, Vol 30, 2000, 91-100.*

# *Two Special Classes of Hamiltonian Graphs, International Journal of Pure and Applied Mathematics, Vol. 28 No. 4 2006, 457-461.*

# *Exact and Approximate Solutions of the Telegraph Model of Dispersive Variability (with H. A. Abdusalam), Far East Journal of Dynamical Systems, 8(1), 2006, 65-80.*

# *New exact traveling wave solutions for some famous nonlinear partial differential equations using the improved tanh-function method, International Journal of Computer Mathematics, Vol. 83, No. 10, 2006, 741-751.*

# *Adomian Decomposition Method for Nonlinear Reaction Diffusion System of Lotka-Volterra Type (with H. A. Abdusalam and E. S. Fahmy), International Mathematical Forum, 2(2), 2007, 87-96.*

**Going on research:** # *On Locally  $N_2$ -Hamiltonian Graphs, under preparation.*

# *A Note on Dirac's Theorem on Hamiltonian Graphs, to be published.*

**Books:** # *Introductory Computer Programming (with Hamdy A., and Taj L.), Riyadh 2004. (Arabic)*

# *Calculus and Analytic Geometry - Series and Multiple Integrals (with Sarmini I. ), Al-Obeican Publication, Riyadh 2006. (Arabic).*

# *Essential Mathematics for Science Students (with Bounkhel M), Riyadh 2006. (Arabic).*

# *Introduction to Graph Theory by Robin Wilson, (translated into Arabic), KSU, Riyadh 2006.*

**Going on Book Authoring:**

# *Essential Mathematics for Computer Science Students, (in Arabic), To Appear in 2008.*

# *Introductory Differential Equations and their Applications, To Appear in 2008.*

**Meetings:**

**(Conferences):**

# *BBC14, Keele University, Stoke on Trent, UK, July 1993. (participation in organizing)*

# *BBC15, Stirling University, UK July 1995. (Talk about: Graphs which contains no Hamiltonian cycles of length  $n - 1$ )*

- # *BBC16, QM & Westfield College, London, UK July 1997. (Talk about: Locally Hamiltonian Graphs. Beside, Raising an important problem about Hamiltonian-connected graphs)*
- # *BBC17, Kent University, Kent, UK July 1999. (attending)*
- # *AMS Meeting, Los Angeles, USA 2000, (attending)*
- # *SAMS Conference, Riyadh, Saudi Arabia 1998. (talk about extremal graphs with Hamiltonian properties)*
- # *SAMS Conferences 1999, 2000, 2002. (organizer of 2002)*
- # *Siam Conference on Discrete Mathematics, Victoria, Canada June 2006. (talk about special classes of Hamiltonian graphs)*

***(Symposia):***

- # *Special Functions, Riyadh, Kacst 2005. (organizer)*
- # *Wavelets, Riyadh, Kacst 2006.*

***Additional Activities:***

- # *Public lecturing and writing some general and specialized articles in National Newspapers.*