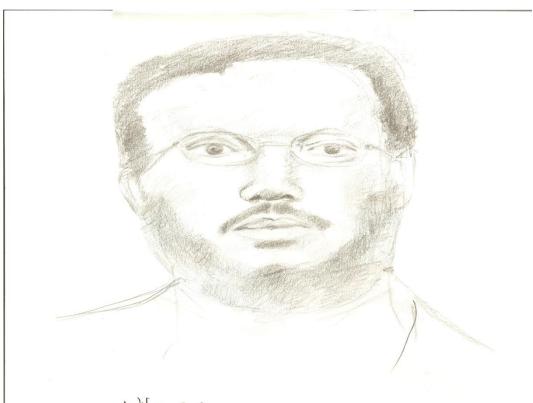
Magdy A. El-Tawil

Engineering Mathematics and Physics Department

Faculty of Engineering, Cairo University

- 1. B.Sc. Communications, Cairo Univ., 1978
- 2. B.Sc. Mathematicsm, Ain Shams Univ., 1981
- 3. M.Sc. Eng. Math., Cairo Univ., 1984
- 4. Ph.D. Eng. Math., Cairo Univ., 1989
- 5. Professor of Math. since 1999.



ور مجدی کطورل رسم: فاضح مجدی کلویل

Brief CV

- 1. Editor in chief " Egyptian Chinese J. of Computational and Applied Mathematics ECJCAM".
- 2. Editor in many local and international journals
- 3. Referee in many local and international journals (130 case(90% international)).
- 4. Copresident of Committee (48) for promotion
- 5. Senior of Mathematics in the department

Brief CV (cont.)

- 6. Publications: 110 (75% international), h=9
- 7. Conferences:
 - Many local conferences including international conferences in Egypt.
 - ICNAAM-2008, Greece-Kos, 16-20 Sept., 2008(presentation) Chairman of a session: Computation of stochastic systems.
 - Mathematical models in medicine, business and engineering-2009 Spain-Valencia, 8-11 Sept., 2009(presentation) Invited talker: Stochastic Systems, Applications Point of View.

Brief CV (cont.)

- Mathematical models in medicine, business and engineering-2010
 Spain-Valencia, 8-10 Sept., 2010(presentation)
 Invited talker: Stochastic Systems, WHEP applications
- -ICASP11, ETHZ, Switzerland-Zurich (Aug. 1-4). (presentation of a Talk) 2011.
- ccs2012, Turkey-Antalya, (April 29-May 2). (presentation of a Talk) 2012.
- Association of African Universities (AAU): Specialized Leadership Development Conference, South Africa-Cape Town 14-16 June, 2012

2011 Puplications

- Magdy A. El-Tawil, The Use of Homotopy WHEP Algorithm for Solving
 Stochastic Differential Equations, ICASP 11, 11th International Conference on
 Applications of Statistics and Probability in Civil Engineering, August 1-4,
 2011, ETH Zurich, Switzerland, pp. 819-
- Hany N. Hassan and Magdy A. El-Tawil, A new technique of using homotopy analysis method for solving high-order nonlinear differential equations, Mathematical Methods in the Applied Sciences, vol. 34, no. 6, pp. 728–742, 2011
- Hany N. Hassan and Magdy A. El-Tawil, An efficient analytic approach for solving two-point nonlinear boundary value problems by homotopy analysis method, Mathematical Methods in the Applied Sciences, vol. 34, no. 8, pp. 977–989, 2011
- Hany N. Hassan and Magdy A. El-Tawil, Solving cubic and coupled nonlinear Schrödinger equations using the homotopy analysis method, Intern. J. of Applied Math. And Mech., 7(8): 41 64, 2011.
- Hany N. Hassan and Magdy A. El-Tawil, MODIFIED HOMOTOPY ANALYSIS METHOD FOR
 SECOND ORDER NONLINEAR INITIAL VALUE PROBLEMS, Int. J. of Appl. Math and Mech. 7
 (18): 82-108, 2011.

2011 Puplications(cont.)

- Magdy A. El-Tawil and M. Abdelrahman, Mean square numerical methods for initial value random differential equations, Open Journal of

 Discrete Mathematics OJDM (2011) 1(2), 66-84.
- Magdy A. El-Tawil and A. Fareed, Solution of Stochastic Quintic Nonlinear
 Diffusion Equation Using Picard and HPM methods, Open Journal of
 Discrete Mathematics OJDM (2011) 1(1), 6-21.
- Magdy A. El-Tawil and A. Shekheiby, Statistical study of the stochastic solution processes of stochastic Navier-Stokes equations using Homotopy-WHEP technique, Journal of Computer Science & Computational Mathematics, 1(4), 19-30, 2011.
- Magdy A. El-Tawil and A. Shaheed, The q-Homotopy Analysis Method (q- HAM), accepted, Int. J. of Appl. Math and Mech. 8 (15): 51-75, 2012.

Supervision of theses and dissertations

M.Sc.

Finished: 6, Waiting: 3

Ph.D.

Finished: 11, Waiting: 8

Best Ph.D. in Cairo University: Tamer Abassy (2009)

Best Ph.D. in Cairo University: Hany Nasr (2011)

Rewards

- Encouraging award in the fundamental and applied sciences, 2001.
- جائزة جامعة القاهرة التشجيعية في
 العلوم الأساسية و التطبيقية في
 المواد الجديدة و الذكية
- Distinguished award in fundamental sciences, 2011.
- جائزة التفوق جامعة القاهرة في
- العلوم الأساسية •

Social

- Married
- 5 daughters: 3 married, graduated and general secondary.
- 10 years in Saudi-Arabia (loaned)
- Mild health
- Hoppy: Sport (intellectual), Arts (Writing)
- I prefer scientific activities rather than the social ones.



















