Curriculum Vitae

Dr. Adel Fahmy Saadallah
Nationality: Egyptian
Date of birth: March 01 1954, Place of birth: Cairo - Egypt.
Permanent address: 29 Amin El-Khouly street, Ismailia square, Heliopolis, Cairo - Egypt.
Permanent Post: Associate Professor - Department of Pure Mathematics, Faculty of Science, Helwan University
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Academic Qualifications

Ph.D.   "New Approach to Quasi Newton Method for Unconstrained
(March, 1988) Optimization", Computer Science Department, Essex
               University, Colchester - Essex, England.
M.Sc.   "On Some Mathematical Models of Queuing Theory and
(March, 1980) its applications", Faculty of Science, Ain-Shams
               University, Cairo - Egypt.
B.Sc.   Pure Mathematics & Mathematical Statistics, Faculty of
(May 1975)   Science, Ain-Shams University, Cairo - Egypt.

Employment History
(1) Teaching Assistant (1977-1980): Department of Pure Mathematics, Faculty of Engineering & Technology, Helwan University.

2) Assistant Lecturer (1980-1983): Department of Pure Mathematics, Faculty of Engineering & Technology, Helwan University.

3) Ph.D. student (1983-1988): Computer Science Department, Essex University, Colchester- Essex, England.

4) Assistant Professor (1988-1994): Department of Pure Mathematics, Faculty of Science, Helwan University.

5) Associate Professor (1994-1996): Department of Pure Mathematics, Faculty of Science, Helwan University.

6) Associate Professor (1996-2002): Department of Mathematics & Computing, Faculty of Education, Sultanate of Oman.

7) Associate Professor (2002-present): Department of Pure Mathematics, Faculty of Science, Helwan University.

Previous teaching experience

1) Faculty of Science, Helwan University
Courses
- Differentiation and Integration
- Differential equations (Ordinary and Partial)
- Complex Variables
- Linear Algebra
- Algebra & Plan Analytical Geometry
- Sequences, series, matrices, determinants, polynomials, equations of lines, circle and Conic sections, transformation of coordinates, vector Algebra, polar coordinates, curve in polar coordinates
- Numerical Analysis (for under graduate student)
- Numerical Analysis (for post graduate student)

2) Faculty of Engineering & Technology, Helwan University
Courses
- Double, Triple integrals and Line integrals and its applications
- Laplace Transformation, Fourier series and applications
- Differential equations (Ordinary and Partial)
- System of ordinary differential equations
- Power series solution for ordinary differential equations
- Special functions (Beta, Gamma, Bessel, …)
- Complex Variables
- Numerical Analysis
- Statistics and Probabilities

3) Faculty of Education, Helwan University
Different courses with title similar to the one mentioned above.

4) Faculty of Computer Science, Helwan University
Courses
- Numerical Analysis
- Solving nonlinear equation in one variable
- Interpolation and polynomial approximation
- Curve fitting (least square method – discrete and continuous)
- Numerical differentiation and Integration
- Numerical solution of ordinary differential equations
- Numerical solution of partial differential equations
- Numerical solution of linear system of equations

5) Faculty of Management, University of Modern Science & Art (MSA)
Courses

- Basic Mathematics for Social Sciences
- Mathematics for Economists
- Statistics For Economists I
- Statistics For Economists II

Research and creative activities

Research area in Unconstrained Optimization, "Quasi Newton method". Published several papers in international Journals.

Presentations, Conferences and seminars attended

- International conference in Belgium (1986)
- International conference in Hungary (1986)
- International conference in Cairo University (1990)
- International conference in Ain-Shams University (2003)
- Attended many seminars in Cairo & Ain-Shams University

Supervision of theses and dissertations

Many M.Sc. and Ph.D. Theses.

Books Prepared

- Lecture Notes in Engineering Mathematics
- Lecture Notes in Numerical Analysis
- Lecture Notes in Differential equations
- Lecture Notes in Complex Variables

Memberships

Member in Egyptian Society for Mathematics.

Other University activities

- Reviewed several papers for local Journals
- Sharing in developing Mathematics courses in Faculty of Education, Sultanate of Oman.
- Module leader for Statistics For Economists I and II in MSA University.

Level of Computer command in teaching and research

Excellent

References:

References Furnished Upon Request.