Curriculum Vitae

DR. OMAR MOHAMED SALLAH EL DEEN

ABD ELAZZIM MOHAMED

Assistant professor, Department of Physics and Engineering Mathematics, Zagazig University,
Faculty of Engineering, Zagazig, Egypt.
Assistant professor, Department of Basic Sciences, Egyptian Chinese University,
Faculty of Engineering, Cairo, Egypt.

<h1 style="text-align:center">Curriculum Vitae</h1>

● Personal Details

Name	**Omar Mohamed Sallah El Deen Abd Elazzim Mohamed**
Nationality	**Egyptian**
Date of birth	**March 06,1973**
Present Home address	**128 (هـ),2nd gate (Khafre Gate), Pyramids Gardens, Giza, Egypt.**
Phone number	**Cell Phone: 01112794441** **Home Phone: 0020233923415**
Web page	**http://www.omarsallah.staff.zu.edu.eg**
Email address	**omhf40@hotmail.com**
Current position	**Assistant Professor**
Skype ID	**Omar Sallah**
Place of work	**- Department of Physics and Engineering Mathematics, Faculty of Engineering, Zagazig University, Zagazig, Egypt** **Department of Basic Sciences, Egyptian Chinese University,** **Faculty of Engineering, Cairo, Egypt.**
Current Office	**- Dr. Omar M. Sallah's office., Basic science building.**
Research Interests	-Cauchy and Hadamard singular integrals. -Singular integral equations of Cauchy singularity. -Mathematical analysis of functionally graded materials. -Green's function for three-dimensional exponentially-graded materials. -Boundary integral equations and Boundary element. -Finite Element. -Statistics, Probabilities, (EDA) Exploratory Data Analysis, (I.S.) Inferential Statistics and (R.A.) Risk analysis.

● Educational Qualification

Degree	College & University	Awarding year	Grant	Area of specialization	Cumulative Grade	Project & grade
Ph.D. **Engineering Mathematics** **(Through a channel system between Egypt and USA)**	*Department of Physics and Engineering Mathematics, Zagazig University, Zagazig, Egypt*	*Sept. 28, 2010*	**1-From The Egyptian Ministry of Higher Education Egypt 2006-2005** **2- From The office of Advanced Scientific Computing Research, USA, Department of Energy under contract DEAC05-0OR22725 with UTBattelle, LLC. ORNL,** *Oak Ridge, TN.2007-2010*	*Applied and Engineering Mathematics*	*Excellent*	**Thesis Title** **Mathematical Analysis of Cracked Functionally Graded Plate Materials**
M.Sc. Engineering Mathematics	**Faculty of Engineering Mansoura University, Mansoura, Egypt**	**October 25, 2004**	**From The Egyptian Ministry of Higher Education Egypt For five years 2000-2005**	*Engineering Mathematics*	*Excellent*	**Thesis Title** **Numerical Solution of singular Integral Equations**
B.Sc. in Civil Engineering	**Civil Engineering, Faculty of Engineering, Zagazig University, Zagazig, Egypt**	**May 1996**	---	**Reinforced concrete Design**	**82.96% (Very Good with Honor) 2nd out of 175**	**Reinforced concrete Design Excellent**

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● Selected list of publications

1) Omar Mohamed Sallah, L. J. Gray, M. A. Amer and M. S. Matbuly, "Green's Function Expansion for Exponentially Graded Elasticity", *Int. J. Numer. Meth. Engng* (2009).
2) Omar Mohamed Sallah, L. J. Gray and S. Nintcheu Fata, "Evaluation of Green's function derivatives for exponentially graded elasticity", *Int. J. Numer. Meth. Engng* (2010).
3) A chapter in the book: World Scientific Review 'Boundary Integral Analysis for Three-dimensional Exponentially Graded Elasticity'.

● Conferences

1) Omar M. Sallah, L. J. Gray, and S. Nintcheu Fata, "Evaluation of the Hypersingular Kernel for a Three-Dimensional Exponentially Graded Material", Proceedings of the ICF12, Ottawa Canada, July 12-17, 2009.
2) Omar M. Sallah, L. J. Gray, and S. Nintcheu Fata, "On the Green's Function Derivatives for Exponentially Graded Materials", ASCE Engineering Mechanics Institute Conference, University of Minnesota, Minneapolis, MN, May 18-21, 2008.
3) Omar M. Sallah, L. J. Gray, and S. Nintcheu Fata, "Boundary Integral Formulation for Three-Dimensional Exponentially Graded Materials", BeTeQ 2008, University of Seville, Seville, Spain July 9-11, 2008.
4) Omar M. Sallah and Kahtani, Khalil, "Boundary analysis for cracked v notch plates", proceeding of Riyadh Mathematics conference, King Saud University, KSA, 2016

● Awards

1) Best Ph.D. dissertation in the Engineering Sector from the period of 2008-2010 on the National University Level.
2) International Publication Reward from Zagazig University, Zagazig, Egypt 2009.
3) International publication Reward from Zagazig University, Zagazig, Egypt 2010.

● Work Experience

Institution, city & country	*Courses Taught*	*From*	*To*	*Level Secondary/tertiary/ adults*	Position
Egyptian Chinese University, Faculty of Economics and International Trade, Cairo, Egypt	**Business mathematics, Financial Mathematics, Statistics for Business students, Linear programming and optimization**	**Sept.2019**	**Present**	**Tertiary University Level**	**Assistant professor**
Department of Basic Sciences, Egyptian Chinese University, Egypt.	**Differential equations, General mathematics(Calculus, Algebra, Integration and Analytic Geometry), Optimization, Statistics for engineers**	**Sept.2019**	**Present**	**Tertiary University Level**	**Assistant professor**
Department of Physics and Engineering Mathematics, Zagazig University, Faculty of engineering, Zagazig, Egypt	**Numerical mathematics for second and third year, probability for engineers, All courses of Math. & Statistics undergraduate syllabus in Faculty of Engineering**	**Oct. 2010**	**Present**	**Tertiary University Level**	**Assistant professor**
Offshore position with Shaqra University, Riyadh,	**Editorial Manager of Shaqra University Periodical Refereed Scientific Journal** **International Relation Focal Point**	**Aug. 2012**	**2016**	**------------------**	**Editorial Manager**

Kingdom of Saudi Arabia	**Some on line courses in cooperation with the Department of Mathematics, Faculty of Science and Humanities, Shaqra University**			**Tertiary University Level**	**Assistant professor**
Zagazig University, Faculty of Commerce English section, Egypt	**Mathematics for business, Financial Mathematics, Statistics descriptive and advanced courses, Linear programming and optimization**	**April 2010**	**2012**	**Tertiary University Level**	**Assistant professor**
Department of Physics and Engineering Mathematics, Zagazig University, Faculty of engineering, Egypt	**Numerical Mathematics for second and third year , probability for engineers, All courses of Mathematics for undergraduate syllabus in Faculty of Engineering**	**April 2010**	**Oct. 2010**	**Tertiary University Level**	**Lecturer**
CSM Computer Science and Mathematics Division, Oak Ridge National Laboratory, Oak Ridge, Tennessee. USA	**Research position and a brief load of teaching for G. St.**	**Oct. 2007**	**April 2010**	**Research**	**Post Master**
Zagazig University, Faculty of Commerce English section, Egypt	**Mathematics for business, Financial Mathematics, Statistics descriptive and advanced courses, Linear programming and optimization**	**Dec 2005**	**Sept. 2007**	**Tertiary University Level**	**Lecturer**
Department of Engineering Mathematics and Physics, Zagazig University, Faculty of engineering, Egypt	**Calculus, Algebra and Analytic Geometry, Differential equations, (Laplace /Fourier) transforms and series, Engineering mathematics for first year MSA in Cairo, Financial and Pure mathematics for first year Faculty of Commerce (English section), Statistics for second and third year students Faculty of Commerce (English section), Operation research for fourth year students Faculty of Commerce**	**Dec. 2005**	**Oct. 2007**	**Tertiary University Level**	**Teaching Assistant**
Depart. of Eng. Mathematics and Physics, Zagazig University, Faculty of engineering, Zagazig, Egypt	**Calculus I, II, III, Algebra and Analytic Geometry, Differential equations, (Laplace /Fourier) transforms and series.**	**Jan. 1997**	**Dec. 2005**	**Tertiary University Level**	**Instructor**

● <u>Faculty and Leadership Development Courses</u>

Course	From date	To date
Academic Pedagogical Publications	May 09,2012	May.13,012
Academic Assessments Various Techniques	Nov. 07,2011	Nov.15,2011

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Managing Information Systems Students dorms and Postgraduate studies	Mar. 01, 2011	March.03,2011
Academic Teaching for Post Graduates	May 26, 2010	May. 28, 2010
Scientific and International Publications	May 15, 2010	May. 17, 2010
The Ethics of Scientific Research	May 11, 2010	May. 13, 2010
Strategic Planning	May 05, 2010	May. 07, 2010
Practical Guide Lines in Scientific Management	Jan. 04, 2010	Jan. 05, 2010
Go Green	Mar. 01, 2010	Mar. 01, 2010
Internet and Email Hazards	Nov. 03, 2008	Nov. 03, 2008
Diversity Concepts	Jan. 07, 2008	Jan. 07, 2008
Safety Hazards in Working Environments	Oct. 03, 2007	Oct. 04, 2007
Academic Teaching	May 06, 2007	May 27, 2007
Effective Presentation Skills	Aug. 15, 2006	Aug. 17, 2006
Recent Trends in Teaching	Aug. 05, 2006	Aug. 07, 2006
University Teaching Preparation	Jun. 24, 2006	Jul. 13, 2006
Methods of Scientific Research	Jan. 28, 2006	Jan. 31, 2006
Emotional Intelligence in Leadership	July 21,2012	July 24, 2012
Leading More Effective Teams	May 18, 2016	May 22, 2014
Online teaching preparation	Oct. 4, 2018	Oct. 8, 2018
Digital Education and Technology Integration	Nov. 11, 2018	Nov. 13, 2018
Educational Development and Teaching Enhancement	Jan. 24, 2019	Jan. 25, 2019

A considerable number of various courses, regarding computer skills, general English, English integrated skills, TOEFL, academic advising, psychological aspects affecting the scientific absorption and learning. Plenty of brainstorming and workshops about how to be a character builder for students and teenagers.

These courses were taken in the Faculty and Leadership development center in Zagazig University, Egypt, Amid east center, Cairo, Egypt and ORNL, Oak Ridge TN., USA.

● **Courses Taught**

- **Engineering Mathematics for Property Year Students, Faculty of Engineering**
    - ○ **Calculus, Algebra and Analytic Geometry.**
- **Engineering Mathematics for First Year Students Faculty of Engineering**
    - ○ **Differential Equations, (Laplace /Fourier) Transforms and Series.**
- **Engineering Mathematics for First Year MSA in Cairo.**
- **Financial and Pure Mathematics for First Year Faculty of Commerce (English section)**
- **Statistics for First, Second and Third-year Students Faculty of Engineering under Graduates and Post Graduates.**
- **Statistics for Second and Third Year Students Faculty of Commerce (English section)**
- **Operation Research for Fourth Year Students Faculty of Commerce**

- **Varity of courses including Mathematics, statistics, operation research for various levels at the Department of Mathematics, Faculty of Science and Humanities, Shaqra University, Huraymila, Riyadh, Kingdom of Saudi Arabia**
- **Various undergraduate courses for Faculty of Engineering and selected statistics and numerical courses for Post Graduates.**

● Teaching publications

Eng. Mathematics(3)
For *Second year Architectural students, Faculty of Engineering,*
Zagazig University, Egypt

Lecture notes In Numerical Mathematics & Engineering Statistics
2010

Eng. Mathematics(4)
For *third year Mechanical students,*
Faculty of Engineering,
Zagazig University, Egypt

Lecture Notes In Applied Numerical Methods
2010-2011

Eng. Statistics
Levels 100-200 credit hour system,
Structural engineering & construction management Faculty of Engineering,
Zagazig University, Egypt

Statistics for Engineers
Decision-Making Preliminary Steps
2010-2011

Eng. Mathematics(4)
For *third year electric students,*
Faculty of Engineering,
Zagazig University, Egypt

Analytic & Numerical Mathematics
2011

Mathematics and statistics
Faculty of Engineering,
Zagazig University, Egypt

A Few Steps in Computational Mathematics & Statistics
2011-2012

Eng. Mathematics(1)
For Faculty of engineering freshman students. *Faculty of Engineering, Zagazig University, Egypt*

Integration & Analytic Geometry

Financial Mathematics

Into Financial Mathematics

Operation Research

Operation Research
Linear Programming and Network Analysis

Algebra introductory course

Selective topics in Algebra for engineering and scientific students

Derivative book

Differential Calculus and its applications
From beginners to professional Mathematicians

Integration

Integration and Its applications

Optimization

Building system Optimization
Theory & Applications

Business Mathematics

Business Mathematics
For Economics and International Trade

● Graduate Courses
  o **Advanced Engineering Mathematics Green's function ODE and PDE, Physical mathematics, Engineering Statistics including (Descriptive, Inferential, and Exploratory Data Analysis; Risk analysis in Engineering sense)**

● Academic Activities

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Managing information system *Vice Manager Responsibility*
- *Training university employees on the University new united system*
- *Consulting on user manual publications for the new systems*
- *Follow up input measures*
- *System coordinates for Postgraduate affairs and Students dorms affairs*

● Job duties

Teaching and Learning	- Participating in scholarly activities that influence and enhance learning and teaching. - Preparing high-quality subject delivery and learning support materials. - Complying with all policies and procedures relating to teaching and learning. -Acting as a subject and discipline coordinator including managing the pedagogical discipline including providing feedback and contributing to performance management; supervising tutors; carrying out related planning and coordination responsibilities; organizing the preparation and marking of assignments and all examinations; assessment of examinations; and submitting grades. - Conducting lectures, tutorials, workshops, and other appropriate learning activities as required. - Encouraging regular and effective consultation with students - Contributing to internal and external reviews; and accreditation of subjects and programs within the department and University
Research & Scholarship	- Providing a continuing high-level of personal commitment to, and achievement in, a particular scholarly area and as a result, generating high-level research outcomes. - Developing a record of publication in top-ranked and other research and scholarly journals and other forms of publication and recognition of that record within the research community - Participating in research projects and research teams - Succeeding in applications for research funding, whether individually or as part of departmental team - Participating in development opportunities to improve research and supervision skills - Contributing to developing, mentoring and providing feedback to junior researchers - Contributing to the Faculty and University policies for development, management and review of research
Service, Administration and Professional Contributions	- A significant aspect of promotion, marketing, and recruitment activities. - Extra-curricular educational activities that impact on employers and the wider community. - Making a contribution to the profession and discipline including: - contributing to relevant professional societies and to the community ,developing and participating in short courses, seminars and conferences programs as appropriate. - Adhering to University and Faculty Polices. - Contributing to department and faculty meetings, and serving on committees as required. - Contributing to the financial viability and success of the Faculty and University.

● Language Proficiency

Arabic	Mother tongue
English	Excellent

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● <u>Skills</u>

Programming Fortran, and Mathematica, Good command of MS Windows and OFFICE Package (EXCEL & WORD)

General Active, Initiative, Cooperative, Ambitious, hard worker and Ilike teaching very much.

● <u>Strength and weakness points</u>

Strength points I am on an endless search for Excellence in my work (teaching and research)

I want to improve my skills and abilities through an ongoing learning process in each and every field of work and life

Weakness points I take my work very seriously and so, I Care about my work all the time, some people call me (workaholic). I usually have a hard time leaving my work .As I want to finish what I am doing today before tomorrow, because I want to be ready for any challenge at any time.