

ESTAPRAQ M. KAHLIL

Permanent Resident

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EDUCATION

Doctor of Philosophy in Mathematics at the University of Oklahoma, Norman, OK, *and Expected Graduation Date: Spring 2015*

Master of Art and Science in Mathematics at the *University of Oklahoma, Norman, Oklahoma, December 2012*

(Non-Thesis degree)

Master of Science in Mathematics and Computer Applications at Al-Nahrain University, Baghdad, Iraq, December 2005.

Thesis: Numerical Solution of Fuzzy differential Equations.

Bachelor of Science in Mathematics and Computer Application at Al- Nahrain University, Baghdad, Iraq, June 2003.

SKILLS & CERTIFICATIONS

- Languages: Java, Excel, SPSS, C++, Latex, Mathematica, Pascal, HTM (beginner), CSS (beginner).
- Data Structure, Fall 2013.
- Business Calculus Training, 2014.
- Lean/Six Sigma, September, 2012
- Green Belt, October 2012.
- Statistics Class I, II, III.
- Applied Statistics.
- Linear Programming, 2002.
- Education Mathematics: Central Learning Problem, 2011.

ACADEMIC EXPERIENCE

Graduate Teaching Assistant -Department of Mathematics, Al- Mustansiriya University, Baghdad, Iraq, March 2006-November 2007

Courses Taught:

- Calculus II
- Ordinary Differential Equations.

Graduate Teaching Assistant-- Department of Mathematics, University of Oklahoma, Norman, Oklahoma, Fall 2011-Present

Courses Graded:

- Pre-Calculus.
- Calculus I, II, IV.
- Linear Algebra.
- Ordinary Differential Equations.
- Numerical Analysis.
- Partial Differential Equation
- Physical Mathematics I, II

Courses taught:

- Calculus I (Discussion section),
- Calculus I (My own class),
- Critical Thinking (Discussion section),
- Calculus II (Discussion section).

Mathematics Tutor.

PUBLICATIONS

Albert, J. and Kahlil, E., Existence and stability of solitary-wave solutions for an averaged NLS equation (to appear).

INDUSTRY EXPERIENCE

Software Developer (Internship)-Dawson Geophysical Company, Oklahoma City, Oklahoma, February 2014 – present.

LANGUAGES

- Arabic, Native Speaker.
- English, Fluent Speaker.
- Turkish, Beginner.

RESEARCH INTERESTS

Dispersive equations, Whitham equation, Mountain Pass Theorem, Schrödinger equations, KDV equations, probability theory and statistical analysis, numerical analysis, linear programming, Fourier transform.

PROFESSIONAL WORKSHOPS

The Third Oklahoma PDE Workshop, Applications of Partial Differential Equations in Science and Engineering, Oklahoma State University, Stillwater, OK, November 12-13, 2011

The Second Oklahoma PDE Workshop, Applications of Partial Differential Equations in Science and Engineering, University of Oklahoma, Norman OK, October 9-10, 2010

Women in IT, University of Oklahoma, Norman, OK, September 29th, 2012.

Women in Science Conference, Science Museum Oklahoma in Oklahoma City, OK, October 9th, 2012.

First International Conference on Dynamics of Differential Equations, Georgia Tech, Atlanta, Georgia, March 16-20, 2013.

The Fourth Oklahoma PDE Workshop, Applications of Partial Differential Equations in Science and Engineering, Oklahoma State University, Stillwater, OK, October 26-27, 2013

Summer School (MSRI), Dispersive Partial Differential Equation, MSRI, Berkeley, CA, June 17-27, 2014.

The NSF-CBMS conferences, Applications of Partial Differential Equations in Science and Engineering, Oklahoma State University, Stillwater, OK, July 21-25, 2014.

A Conference in Honor of C.E. Kenig, Harmonic Analysis and Partial Differential Equations: Recent Developments and Future Directions, The University of Chicago, Chicago, IL, September 19-21, 2014.

PROFESSIONAL DEVELOPMENT

“Mountain Pass Theorem”, Student Applied Math Seminar, 50-minute talk, University of Oklahoma, October 2011

“Mountain Pass Theorem”, Analysis and Convexity Seminar, 50-minute talk, University of Oklahoma, October 2011

“Find Ground State Solution to a nonlinear Schrodinger equation”, Analysis and Convexity Seminar, 50-minute talk, University of Oklahoma, November 2011.

“Stability of Solutions to a Model Equation for Dispersion Managed Solitary Waves”, Analysis and Convexity Seminar, 50-minute talk, University of Oklahoma, November 2014.

CAMPUS AND COMMUNITY ACTIVITIES

- Vice President of Mathematics Graduate Students Association, Spring 2011.
- A member of Mathematics Graduate Students Associations, Fall 2011-Present.
- Volunteer, Oklahoma Mathematics Department at Math Day, University of Oklahoma, Norman, OK, November 15, 2012.
- Volunteer, University of Oklahoma Women in Math Exhibit 11th Annual Women in Science Conference (targets girls in grades 6-12 to pursue careers in STEM) Oklahoma City, OK, October 9, 2012.
- Volunteer, Elder Helpers Program, helping elders around and keep them safe.
- Volunteer, Oklahoma Mathematics Department at Math Day, University of Oklahoma, Norman, OK, November 14, 2013.
- A member of Gamma Beta Phi Honor Society, Norman, Oklahoma, Spring 2014.
- Volunteer, Oklahoma Mathematics Department at Math Day, University of Oklahoma, Norman, OK, November 20, 2014.

References Available Upon Request