**Ishraq Al-Awamleh**

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EDUCATION

**Doctor of Philosophy,** Mathematics, Department of Mathematical Sciences, New Mexico State University, NM, USA, May 2022.

**Dissertation title:** An Analysis of Some Nonlinear Partial Differential Equations Arising in Game Theory.

**Advisor:** Robert Smits

**Master of Mathematics,** Mathematics, Department of Mathematical Sciences, New Mexico State University, NM, USA, 2017.

**Bachelor of Science,** Mathematics, Department of Mathematics and Statistics, Al-Hussein bin Talal University, Ma’an, Jordan, 2010.

**Master of Art and Science**, Teaching Mathematics, Department of Mathematics, University of Texas at El Paso, Texas, USA, 2005.

**Bachelor of Science**, Chemical Engineering, Department of Chemical Engineering, University of Technology, Baghdad, Iraq, 2002.

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ACADEMIC/TEACHING EXPERIENCE

**Visiting Assistant Professor,** Department of Mathematical Sciences, New Mexico State University, NM, USA, Summer 2022 - now.

**Graduate Assistant,** Mathematics, Department of Mathematical Sciences, New Mexico State University, NM, USA, 2015 - 2022.

**Teaching Assistant**, Department of Mathematical Sciences, University of Texas at El Paso, Texas, USA, 2002-2005*.*

**Part Time Lecturer,** Department of Mathematical Sciences, Al-Hussein Bin Talal University, Ma’an, Jordan, Spring and summer 2006.

RESEARCH INTERESTS

Stochastic Process, Non-linear Partial Differential Equations, Mathematics Education, Statistics, and Visual Assisted Pedagogy.

COURSES TAUGHT

As a **Visiting Assistant Professor** at New Mexico State University, Las Cruces, NM:

* Introduction to Statistics **(Online) (Summer 2022), (Online) (Fall 2022), (Online) (Spring 2023)**
* Intermediate Algebra **(Online) (Fall 2022), (Online)(Spring 2023)**

As a **Graduate Assistant** at New Mexico State University, Las Cruces, NM:

* Introduction to Statistics **(Online) (Fall 2021), (Online)** **(Spring 2022).**
* Calculus II **(Online) (Fall 2020)**
* Calculus I **(Spring 2020, (Online) Summer 2020, (Online) Spring 2021)**
* Pre-Calculus and Trigonometry functions **(Spring 2018)**
* College Algebra **(Spring 2017, Fall 2018, Summer 2019, Fall 2019)**
* Intermediate Algebra **(Fall 2016)**

As a **Part-Time Lecturer** at Al-Hussein Bin Talal University, Jordan:

* Discrete Mathematical Structures **(Summer 2006)**
* Mathematics for Classroom Teachers 1 and 2 **(Spring 2006)**

COURSE DEVELOPMENT

At *New Mexico State University*, Las Cruces, NM:

* Quantitative Foundation **(Summer 2018)**
* Math Placement Exams **(Summer 2017)**

PROGRAMMING SKILLS

* Matlab
* R Programming Language

AWARDS, SCHOLARSHIPS, AND DISTINCTIONS

* 2022, Travel Fund, ASBC, New Mexico state university, NM, USA.
* 2022, Student Awards, College of Arts and Sciences, New Mexico State University, NM, USA.
* 2021/2022, Joseph E. Kist Department of Mathematical Sciences Graduate Studies Current Use Fund, New Mexico State University, NM, USA.
* 2020/2021, Grad Success Scholarship, New Mexico State University, NM, USA.
* 2019/2020, Joseph E. Kist Department of Mathematical Sciences Graduate Studies Current Use Fund, New Mexico State University, NM, USA.
* 2017, Travel Fund, Department of Mathematical Science, Association Students of NMSU, and Graduate Student Counsel, New Mexico State University, NM, USA.
* 2017, Travel Grant, Mathematical Association of America (MAA) MathFest, Chicago, IL, USA.
* 2016, Travel Fund, Department of Mathematical Science, Association Students of NMSU, Graduate School, Graduate Student Counsel. New Mexico State University, NM, USA.
* 2016, Travel Grant, Mathematical Association of America (MAA) MathFest, Columbus, OH, USA.

TECHNICAL PAPERS AND CONFERENCES

1. **Ishraq Al-Awamleh** “Mean Value Properties for P-Harmonic Functions for Higher Dimensions”, accepted for publication in the Journal of Elliptic and Parabolic Equations, Springer, Decemeber 2022.
2. **Ishraq Al-Awamleh** and Robert Smits “Statistical and Algebraic Properties for the 4-Laplacian”, submitted to Discrete and Continuous Dynamical Systems, MSP, October 2022.
3. **Ishraq Al-Awamleh “**Nonlinear Elliptic PDEs: Discrete Averaging Properties**”,** Fall Central Sectional Meeting, El-Paso, TX, September 2022.
4. **Ishraq Al-Awamleh** “*A Statistical Representation of a Nonlinear Parabolic Partial Differential Equation*”, New Mexico State University ProQuest Dissertations Publishing, 2022.
5. Robert Smits, **Ishraq Al-Awamleh** *" Discrete Averaging Properties for Nonlinear Elliptic PDEs".* In the 25th Joint UTEP/NMSU Workshop on Mathematics, Computer Science, and Computational Sciences, El-Paso, TX, November 2021.
6. Robert Smits, **Ishraq Al-Awamleh** *"Averaging Properties and Solutions of Nonlinear Elliptic Partial Differential Equations which are not Variational in Nature".* In the Probability Seminar, New Mexico State University, Las Cruces, NM, November 2021.
7. **Ishraq Al-Awamleh** *"*A Line by Line Translation of and Commentary on Ibn al-Hā’im’s 1402 AD Didactic Verses "Al-Muqni` fi’l-jabr wa’l-muqābala" "Exposition of Algebraic Operations"*"*, in progress.
8. **Ishraq Al-Awamleh "***Al Mkni fi’l-jabr wa’l-muqābala* Exposition of Algebraic Operations by *Ibn Al-Ha’im*" In MathFest, July 26-29, 2017, Chicago, IL.
9. **Ishraq Al-Awamleh "***Al Mkni fi’l-jabr wa’l-muqābala* Exposition of Algebraic Operations by *Ibn Al-Ha’im*" In MathFest, August 3-6, 2016, Columbus, OH.
10. The Inquiry-Based Learning (IBL) Forum and 19th Annual R.L. Moore Conference, "Expanding IBL throughout Higher Education", August 4, 2016, Columbus, OH.
11. Fares Fraij, Mahmoud Al-Quraan, Victor Winter, Arafat Awajan and **Ishraq Al-Awamleh**. "Software-Assisted Pedagogy for a Mathematics Course." In Proceedings of the International Conference On Excellence In Education 2009: Future Minds and Creativity, Ulm, Germany, 2009
12. **Ishraq Al-Awamleh (Graduate Research with Hamida Dogan).** "Analysis of student responses on linear algebra questions to document the effect of a set of visual representations. " Department of Mathematics, University of Texas at El Paso, Texas, USA, 2005.

REFERENCES: Will be provided upon request