

CURRICULUM VITAE (C.V.)

As of December, 2015

SAED MALLAK



PERSONAL INFORMATION

- **Marital status:** married with 5 children
- **Nationality:** Palestinian
- **Place of Birth:** Tulkarm - Palestine
- **Date of Birth:** October 24, 1971
- **Address:** Palestine Technical University-Kadoorie
Tulkarm, West Bank, Palestine
- **Mobile:** +970 599 672895
+970 569 672895
- **Fax:** +970 9 2677922
- **E-mail:** saedmallak@yahoo.com, s.mallak@ptuk.edu.ps
- **Rank:** Associate Professor

ACADEMIC DEGREES

- **Ph.D.**
Mathematics, 2000

Bilkent University, Ankara, Turkey

Thesis: Gibbs measures and Phase Transitions in One-Dimensional Models, January 2000.

■ **M.S.**

Mathematics, 1996

Bilkent University, Ankara, Turkey

Thesis: Non-Stationary Markov Chains, July 1996.

■ **B.S.**

Mathematics with minor in Computer Science, 1993

Yarmouk University, Irbid, Jordan

PH.D DISSERTATION

We studied the problem of limit Gibbs measures in 1-dimensional models. We investigated uniqueness conditions for the limit Gibbs measures for 1-dimensional models. We constructed a 1-dimensional model disproving a uniqueness conjecture formulated before for 1-dimensional models. We proved that this conjecture is correct under some natural regularity conditions. We also applied the uniqueness theorem to some 1-dimensional models.

CURRENT RESEARCH INTERESTS

- Mathematical Analysis
- Theoretical Applied Mathematics
- Phase Transitions & Stochastic Processes
- Fuzzy Sets & Systems
- Methods of Teaching Mathematics

EMPLOYMENT HISTORY

- 11/10/2009-recent Department of applied mathematics, faculty of arts and sciences, Palestine Technical University-Kadoorie (**PTUK**)
- 1/9/2015- recent Vice President for academic affairs.
- 1/9/2014-27/12/2014, Assistant of the President for Institutional Building
- 10/12-2013-10/6/2014 Consultant of the President for academic developing.
- 18/11/2012-20/5/2013 Acting President of Palestine Technical

University-Kadoorie (**PTUK**).

- 11/10/2009-10/10/2013 Vice President for Academic Affairs, Palestine Technical University-Kadoorie (**PTUK**).
- Acting President for several times at **PTUK** .
- 12/4/2006-10/10/2009 - Assoc. Prof., Mathematics & Statistics Department, Arab American University, Jenin-Palestine **AAUJ**
- 1/9/2002- 11/4/2006 - Asst. Prof., Mathematics & Statistics Department, Arab American University, Jenin-Palestine
- 1/9/2008-31/8/2009 Dean of Faculty of Arts and Sciences and Chairman of Mathematics & Statistics Department , Arab American University, Jenin-Palestine
- 1/9/2005- 31/8/2009 Chairman of Mathematics Department, Arab American University, Jenin-Palestine
- 27/9 /2000 – 31/8/2002 – Asst. Prof .Al-Quds Open University, Tulkarm Educational Area, Palestine **QOU**
- 3/2000 – 9/2000- Asst. Prof .Al-Quds Open University (part time), Tulkarm, Jenin and Nablus Educational Areas, Palestine
- 1/9/94 –15/1/2000 Granted Graduate Student – Department of Mathematics, Bilkent University, Ankara-Turkey
- 9/98 – 6/99 Instructor (part time) - Department of Mathematics, Bilkent University, Ankara-Turkey

REFERENCES

- **Prof. Dr. Daoud Zatari**, Palestine Technical University Previous President. **E-Mail: zatarid@jinan.ps**
- Prof Dr. Marwan Awartani, Palestine Technical University, President. **E-Mail: marwan.awartani@gmail.com**
- Prof Dr. Basem Attili, University of Sharjah , **E-Mail: b.attili@sharjah.ac.ae**
- Prof. Dr. Ameen Dawwas, Previous Vice President for Academic Affairs, Arab American University, Jenin-Palestine
E-Mail: adawwas@aaui.edu
- Assoc Prof. Azer Kerimov, Department of Mathematics, Bilkent University, Bilkent, 06533 Ankara, Turkey.
E-Mail: kerimov@fen.bilkent.edu.tr

ARTICLES IN REFEREED JOURNALS & CONFERENCES

1. **A. Kerimov, Saed F. Mallak**, “Density Gibbs States and Uniqueness Conditions in One-Dimensional Models”, *J.Phys. A Math. Gen* ISSN 0305-4470 (Print) 1361-6447 (Online), **32**, 1999 (3711-3716).
2. **Saed F. Mallak**, Limit Theorems for non stationary discrete time Markov Chains, *Journal of Al Quds Open University*, N0.3-Rabia(1) 1425H/April 2004, 7-31
3. **Saed F. Mallak**, Countable extreme Gibbs states in a one-dimensional model with a unique ground state and uniqueness conditions in 1-dimensional models, *Global Journal of Pure and Applied Mathematics*, ISSN 0973-1768, Vol.1, No.1 (2005), pp. 112-119
4. **Saed F. Mallak**, A class of 1-Dim. Models with unique ground states that admits phase transitions, *Journal of Dynamical Systems and Geometric Theories*, ISSN 1726-037X, Vol..3, Number 2 (2005) 109-114
5. **Saed F. Mallak**, Towards: Palestinian School Mathematics Developed in Content and Method within Principles and Standards Liable to Development and Modification (IN ARABIC), *Journal of Al Quds Open University for Research and Studies*, No.7-Rabia(1) 1427H/April 2006, 415-433.
6. **B. Attili, Saed F. Mallak**, Existence of Limit Cycles in A Predator-Prey System with a Functional Response of the form $\arctan(ax)$. *Communications in Mathematical Analysis* ISSN 0973-3841, Vol. 1, No. 1, pp 27-33(June 2006)
7. **Saed F. Mallak**, From Interacting Particle Systems in 1-Dimensional Models To Non-Homogeneous Markov Chains, ISSN 1818-8532, *Proceedings of The Second Conference on Mathematical Sciences CMS' 2008(22-23/10)*, Zarqa Private University, Jordan
8. **Saed F. Mallak, Mohammad Mara'Beh, Abdelhalim Zaiqan**, A Particular Class of Ergodic Finite Fuzzy Markov Chains, *Advances in Fuzzy Mathematics*, ISSN No. 973-533X Volume 6, Number 2 (2011), pp. 253-268.
9. **Saed F. Mallak, Mohammad Mara'Beh, Abdelhalim Zaiqan**, Further Particular Classes of Ergodic Finite Fuzzy Markov Chains, *Advances in Fuzzy Mathematics*, ISSN No. 973-533X Volume 6, Number 2 (2011), pp. 269-281.
10. **Saed F. Mallak**, Particular Fuzzy Numbers and Their Application to Regular 2x2 Fuzzy Markov Chains: Uncertain Probabilities, *Journal of Dynamical Systems and Geometric Theories*, ISSN 1726-037X, Vol. 9, Number 2 (2011) 137-150.
11. **Saed F. Mallak**, On the Limit of 2x2 Regular Fuzzy Markov Chains: Uncertain Probabilities, *International Journal of Sciences and Advanced Technology* (ISSN 2221-8386), Vol. 2 No 8

Month 2012, 19-26.

12. **Saed F. Mallak and Duha Bedo**, A Fuzzy Comparison Method For Particular Fuzzy Numbers, Journal of Mahani Mathematical Research Center (JMMRC), ISSN 2251-7952, Vol2, No1 (2013) pp.1-14
13. **Saed F. Mallak and Duha Bedo**, Particular Fuzzy Numbers and a Fuzzy Comparison Method between Them, International Journal of Fuzzy Mathematics and Systems (IJFMS), ISSN 2248-9940, Vol 3, No 2 (2013) pp.113-123
14. **Saed F. Mallak and Duha Bedo**, Ranking Particular Fuzzy Numbers Using Area, Mode, Spreads and Weights, Advances in Fuzzy Mathematics (AFM), ISSN No. 973-533X, Volume 9, Number 1 (2014), pp. 7-19.
15. **Saed F. Mallak**, Ranking Exponential $k+1$ -Trapezoidal Fuzzy Numbers with Cardinality, Advances in Fuzzy Mathematics (AFM), ISSN No. 973-533X, Volume 9, Number 1 (2014), pp 55-62.
16. **Saed F. Mallak, Duha Bedo, Osama Hamed**, A new Approach For Ranking $k+1$ -Trapezoidal Fuzzy Numbers, , Advances in Fuzzy Mathematics (AFM), ISSN No. 973-533X, Volume 9, Number 1 (2014), pp 63-76.

MISCELLANEOUS

1. The coordinator of the academic committee of Palestinian National Olympiad of School Mathematics 2014.
2. Prepared an academic developing plan (2014-2019) for PTUK.
3. Editor in chief of Palestine Technical University Research Journal http://ptuk.edu.ps/ptuk_journal, Vol. 1, No. 1, June 2013.
4. Participated in the regional conference 'Employability of Graduates Case of MENA Region' by a Presentation entitled by 'Employability Among Graduates of Palestine Technical University-Kadoorie' 12-13 March 2013, Rabat, Morocco. Organized by British Council, ISESCO, African Development Bank and Ministry of higher Education (Morocco).
5. Chairman of the First Palestinian Forum for Teaching and Learning Mathematics, held on 16 may 2012, PTUK.
6. Evaluator – Science programs in Palestinian Universities/West Bank (2011).

7. **-Two Courses in Real Analysis (Real Analysis One and Real Analysis Two), Two Electronic Courses at Palestine Technical University - Kadoorie (PTUK) E-Learning Web Site**
URL: <http://moodle.ptuk.edu.ps/course/view.php?id=27>
-Principles of Mathematics, An Electronic Course at Palestine Technical University - Kadoorie (PTUK) E-Learning Web Site
URL: <http://moodle.ptuk.edu.ps/course/view.php?id=28>
8. Prepared a proposal for a Master program in Applied Mathematics at AAUJ and it was approved for 2009/2010
9. Prepared a proposal for a Master program in Mathematical Modelling, Palestine Technical University.
10. Prepared a proposal for Math Day at AAUJ and it was organized in May 2009 at AAUJ
11. A Member of the local Organizers Committee of the conference of Nanotechnology for Advanced Material & Devices (Organizations: University of Illinois at Urbana-Champaign, An Najah National University & Palestine Technical University-Kadoorie) (<http://conferences.physics.illinois.edu/nano2012/>)
12. Attended workshop "**Internationalizing your University**" of the 2009/2010 Central European University "CEU" Higher Education Policy and Management Workshop Series, May 10-13, CEU, Budapest, Hungary.
13. Attended workshop "**Quality in Higher Education and The Role of IT in Enhancing International Classification of Arab Universities-Towards Universities That Follows Modernity**" organized by Petra for Conferences, October 16-20, 2011, Amman, Jordan.
14. Attended conference "**Education Sustainability to Build Capable Generations to Lead the Future**" March 5-8, 2012, Dubai, United Arab Emirates.
15. A member of the editorial board , Palestine Research Journal (under construction by the Palestinian Academic Council)
16. The referee of a paper submitted to the journal of Soft Computing.
17. The referee for several articles submitted to Journal of Al Quds Open University.
18. The referee for a textbook in Operations Research- Al Quds Open University.
19. An External Examiner for Several master students at an Najah University and Al-Quds University
20. Head of Employee Union April 2006-September 2008, Arab American University, Jenin-Palestine (<http://www.empaaaj.org>).
21. A member of the administrative body of Attil Cultural Sport Club

(2006)

22. A member of several committees and associations of Attil town

COUNCILS AT AAUJ

1. Faculty Council 2002/2003 , 2005/2006 ,2006/2007 ,2007/2008 &2008/2009
2. University Council 2004/2005 & 2008/2009
3. Deans Council 2008/2009

COMMITTEES AT AAUJ

1. Saudi Scholarship Committee 2004/2005 and Fall 2005
2. Student Credit Fund Committee 2003/2004 & 2004/2005
3. Appeal Committee 2005/2006
4. Scientific Research Committee 2006/2007

COUNCILS & COMMITTEES AT PTUK

1. University Council 2009-2013
2. Deans Council 2009-2013
3. The head of all academic committees 2009-2013
4. Promotion committee 2009-2014

TEACHING EXPERIENCE

A- Graduate Courses:

-Real Analysis (Fall 2009/2010)- Arab American University

B- Undergraduate Courses

(1) Bilkent University

1. Elements of Business Mathematics
2. Elementary Business Statistics

(2)Al-Quds Open University QOU

1. Introduction to Statistics
2. Operations Research
3. Applied Statistics
4. Linear Algebra
5. Abstract Algebra
6. Introduction to general Topology
7. Mathematical Statistics
8. Real Analysis
9. Mathematical Analysis
10. Fundamentals of Mathematics

(3) Arab American University AAUJ

1. Fundamentals of Mathematics 1 and 2
2. Operations Research 1 and 2
3. Real Analysis
4. Introduction to Topology
5. Calculus 1 & 2
6. Linear Algebra 1 and 2
7. Engineering Mathematics
8. Probability Theory
9. Statistical Methods
10. Discrete Mathematics
11. Functional Analysis

(4) Palestine Technical University- Kadoorie PTUK

1. Principles of Mathematics
2. Probability Theory
3. Real Analysis 1
4. Real Analysis 2
5. Special Functions