Jesús Jiménez Ph.D.

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EDUCATION

SCHOOL	YEAR	DEGREE	DATE
U of U[1]	1984-1989	Ph.D.	1989
UNAM[2]	1982-1984	M. S.	1984
UNAM	1978-1982	B. S.	1982

THESIS OR DEGREE REQUIREMENT DESCRIPTION

1	Ph.D. in Mathematics (Algebraic and Complex Analytic Geometry) University of Utah at Salt Lake City, Utah Thesis: Contraction of Nonsingular Curves in Analytic Spaces
2	M. S. in Mathematics (Differential and Hermitian Geometry) National Autonomous University of Mexico at Mexico City, Mexico General Examination was required for the degree
3	B. S. in Mathematics (Algebra and Geometry) National Autonomous University of Mexico at Mexico City, Mexico Thesis: Anillos Regulares y V-anillos (Regular Rings and V-rings)

TEACHING EXPERIENCE

	YEAR	SCHOOL	STATUS	RANK
1	03-18	PLNU	Tenured	Professor
2	99-03	PLNU	Tenure Track	Professor
3	95-99	PLNC and PLNU	Tenure Track	Associate Professor
4	92-95	PLNC	Tenure Track	Assistant Professor
5	90-92	UC R[3]	Post Doctorate	Assistant Professor
6	89-90	U of U	Post Doctorate	Adjunct Instructor
7	84-89	U of U	Graduate Student	Teaching Fellow
8	82-84	UNAM	Graduate Student	Teaching Assistant
9	80-82	UNAM	Undergraduate Student	Teaching Assistant

[1]U of U - University of Utah

[2]UNAM - National Autonomous University of Mexico

[3] UC R- University of California at Riverside

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RESEARCH AND SCHOLARSHIP

HONOR THESES – DIRECTED STUDENT RESEARCH

	THESIS / STUDENT NAME	DATE
1	*A Family of Error Correcting Codes* by Ashleigh Meyers	2017
2	*RSA Encryption Using Polynomials* by Michelle Freed	2017
3	*Study of Neural Network-Based Key Exchange Protocol* by Aaron McKinstry	2015
4	*An Exploration of Elliptic Curve Cryptography* by Ethan Wade	2014
5	*Image Compressing Using Tensor Decomposition* by Nathaniel McClatchey	2012
6	*The Calculus of Variation and the Brachistochrone* by Tyler Levasseur	2012
7	*Qualitative Analysis of Systems of Ordinary Differential Equations* by Stephen C. Evilsizor	2009
8	*Elliptic Curve Cryptography* by Gregory M. Rhodes	2009
9	*Modern Encryption Algorithms and their Applications* by Todd R. Royal	2007
10	*Reed-Solomon Error Correcting Codes* by Brady J. Acheson. Thesis.	2005
11	*Thickness and Stick Numbers of Knots* by Tyler Corwin. Student Research.	2004
12	*The Fundamental Group of Compact Surfaces with no Boundary* by Justin A. Brown. Thesis.	2003
13	*Elliptic Curve Cryptography* By Kelly Kaldenberg. Student Research.	2003

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CONFERENCES, WORKSHOPS, SEMINARS, AND MINICOURSES

	ACTIVITY	DATE
1	Minicourse: Introduction to Coding Theory and Cryptography XIV Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2018
2	Minicourse: Introduction to Coding Theory and Cryptography XIV Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2017
3	The Set of Zero Divisors of Factors Rings. Presentation at Association of Christians in the Mathematical Science Conference. Charleston Southern University, Charleston SC	June 2017
4	Minicourse: Introduction to Coding Theory and Cryptography XIII Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2016
5	Minicourse: Introduction to Coding Theory and Cryptography XII Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2015
6	Minicourse: Introduction to Coding Theory and Cryptography XI Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2014
7	Minicourse: Teoría de Números Taller de ciencias para jóvenes, ECOSUR. San Cristobal de las Casas. Chiapas. México,	July 2014
8	Minicourse: Introduction to Coding Theory and Cryptography X Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2013
9	Minicourse: Introduction to Coding Theory and Cryptography Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2013
10	Minicourse: Introduction to Coding Theory and Cryptography IX Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2011
11	Minicourse: Introduction to Coding Theory and Cryptography VIII Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2010
12	Minicourse: Introduction to Coding Theory and Cryptography VII Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2009
13	Minicourse: Introduction to Coding Theory and Cryptography VI Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	July 2008
14	Minicourse: Matématicas de doblado de papel Taller de ciencias para jóvene, ALBARRADA. San Cristobal de las Casas. Chiapas. México,	July 2008
15	Minicourse: Introduction to Coding Theory and Cryptography V Taller de cálculo. CIMAT, Guanajuato, Guanajuato. México.	Juny 2007
16	Participant at the 2004 Meeting of the Mexican Mathematical Society in Ensenada, Mexico.	October 2004
17	Poster Presentation on Student Assessment of Undergraduate Mathematics at the 2004 Annual Joint Meeting of the American Mathematical Society and The Mathematical Association of America in Phoenix, AZ.	January 2004
18	Participant at two SAUM workshops on student learning assessment in Phoenix, AZ.	2003
19	Series of lectures on digital communication at the Space and Naval Warfare (SPAWAR) Center in San Diego, CA.	January 1998 to December 1999
20	Participant at the "1998 International Symposium on Information Theory and its Applications." Mexico City.	October 1998
21	Colloquium speaker at the Mathematics Department of San Diego State	August 1998

	University. San Diego, CA.	
22	Participant at MILCOM 97 (Military Communications 1997). Conference held at Monterey, CA. Dr. Bruce E. Wahlen presented a paper that we co-authored.	November 1997
23	Participant at the Annual Joint Meeting of the American Mathematical Society and the Mathematical Association of America held in San Diego, CA.	January 1997
24	Invited speaker at the "II Symposium on Vector Bundles" held in the city of Morelia, Michocan. Mexico.	July 1996
25	Active participant in the Department of Mathematics Seminar at PLNU	1993-1996
26	Participant at the "Summer Institute on Gauge Theory and Differential Geometry" sponsored by the Princeton Institute of Advanced Studies. Park City, UT.	July 1994
27	Participant at the "Workshop on Algebraic Geometry" at the University of Utah. Salt Lake City, UT.	July 1994
28	Participant at the "Workshop on Singularity Theory and Hodge Theory" at the University of California at Riverside. Riverside CA.	May 1993
29	Participant at the "Workshop on Holomorphic Systems" at the Mathematical Institute in Guanajuato, Mexico.	June 1992
30	Invited speaker at the "Seminar on Algebraic Geometry" at the University of California at Los Angeles. Los Angeles, CA.	April 1991

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PUBLICATIONS

1	J. Jimenez. *The Set of Zero Divisors of Factor Rings*. Proceedings of the Association of Christian in the Mathematical Sciences. Vol. 21. May 2018.
2	J. Jimenez and M. Zack. *General Education Mathematics: A Problem-Solving Approach.* Current Practices in Quantitative Literacy. Mathematical Association of America Notes #70 2006
3	J. Jimenez and M. Zack. *Keeping Assessment Simple*. Supporting Assessment in Undergraduates Mathematics. Notes Series of the Mathematical Association of America. 2006
4	J. Jimenez and B. E. Whalen. *Performance Comparison of Hermitian and Reed-Solomon Codes.* Proceedings of Military Communication (MILCOM), Vol. 1 pp. 15-19. 1997.
5	J. Jimenez. *Contractions of Nonsingular Curves*, Duke Mathematical Journal, Vol. 65, No., pp. 313-332. 1992.
6	J. Jimenez. *Contractions of Nonsingular Curves in Analytic Spaces*. Thesis, University of Utah. December 1989.

HONORS AND AWARDS

	AWARD	YEAR
1	Teaching Fellowship Department of Mathematics University of Utah	1984-1989
2	UNAM Scholarship Institute of Mathematics National Autonomous University of Mexico	1980-1984
3	State of Chiapas Scholarship Chiapas Institute of Art and Science Chiapas, Mexico	1978-1981