

Curriculum Vitae

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13 February 2022

Position

Associate Professor of Mathematics, USF-Tampa

Education

University of California at Los Angeles

Ph.D. awarded in Fall, 1986

M.A. awarded in Spring, 1982

Field: Mathematical Logic

Specialty: Abstract Recursion and Descriptive Complexity

Dissertation Advisor: Yiannis N. Moschovakis

Dissertation: *On the complexity of the theory of the natural numbers*

Oberlin College

B.A. awarded in Spring, 1980

Major: Mathematics

Fields

Mathematical Logic & Theoretical Computer Science:

Finite Model Theory

Computational and Descriptive Complexity Theory

Combinatorics:

Combinatorial (& Logical) Game Theory

Finite and Infinite Ramsey Theory and Extremal Graph Theory

Random Graph Theory, and Probabilistic Methods and Random Processes

Geometry:

Polyhedral / Combinatorial Geometry, Tilings, Tessellations and Theoretical Crystallography

Crystallography

Computational Geometry and Computer Implementations

Mathematics Education and Mathematical Philosophy

Annotations

- not* *o p t o*, *o r p r o* *o n r n o p r o*
 (with W. E. Clark & W. R. Stark)
J *l a r a* *D s t C o p* (1992), 67-71.
- o* *t o r* *n o o n* *o r o p t*
Z *a t* *L o* *G r u n* *a t* (1992), 293-298.
- D t r* *n t* *r e u n o n* *t r n t* *t n t* *o u r*
 (with E. Grädel)
I n *o r* *C o p* (1995), 129-135.
- n o n o t* *n t o n o t n t* *o u r*
J *y b L o* (1995), 392-414.
- D n o n* *r e u* *u r o* *C o n n t t* *o o*
a t *L o* *t r y* (1996), 111-134.
- n t* *n t r u t u r o* *p o n t o*
I n *C o p* (1995), 201-220.
- H r* *n t n t* *o u r o* *t* *B o n n n r o*
 (with E. Grädel)
A n n *u r* *A p p L o* (1996), 169-199.
- A n p p* *t o n o* *p n n* *t r* *t o k p o n t* *p n* *o u n t o n*
 (with W. E. Clark & B. Shekhtman)
r o *L o n o n* *a t* *o* (1998), 297-310.
- A p t t n* *n q t*
a *a n u a n J* (1998), 511-519.
- F r t* *r* *Z r o n* *o r* *n o* *G e n* *o n t* *C r*
a n o *t r u t A* (1999), 239-266.
- r o n* *o n* *o*
D s r t *a t* *a t* *s* (2002), 331-347.
- I n t r o* *u n* *o r*
s a r *L a n u a* *a n* *C o p u t a t o n* (2003), 203-226.
- A n A n t* *o r* *o n o t*
B u t n o t *I C A* (2003), 84-100.
- n t* *t r u t u r o* *n o* *A* *G e n*
D s r t *a t* *a t* *s* (2004), 147-170.
- G e r* *n t* *t o n n* *t F* *o n t o*
J L o *L a n u a* *a n* *I n o r a t o n* (2004), 61-110.
- r o* *F u n t o n* *o r* *n o* *G e n* *o n* *n* *n t*
C o b n a t o r s *r o b a b i l i t y a n* *C o p u t n* (2004), 373-387.
- n* *B t* *n n* *r r*
 (with K.-D. Hou)
o l y *o u n t a n J* *a t* *a t* *s* (2008), 123-137.
- C o p t* *C o r* *A n F*
 (with N. Jonoska)
r o *C o p* (2009), 332-346.
- n t o* *o t r o r t* *A* *o F* *D A C o p*
 (with Ana Staninska and Natasha Jonoska)

Epistemological Foundations of Artificial Grammar Learning
(with N. Jonoska & A. Staninska; S. Staninska presenting)
International Conference on Distributed Artificial Intelligence
London, Canada; May, 2005

A Cognitive Psychology of Language Acquisition
International Psychology Conference

or s t (2007; winner, Tampa Writer's Alliance 2006 Writing Contest: 3rd place for fiction), 81 - 84.

turn o r
pp r r A L t rary a a n (Feb., 2007), 18 - 19.

I pon n o Co or
pp r r A L t rary a a n (Nov./Dec., 2007), 9.

865th Meeting of the AMS
Tampa, FL; March, 1991.

Grant Borrer on Computation
16th MAA Florida Suncoast Meeting
St. Petersburg, FL; December, 1991.

Combinatorics
23rd Southeastern International Conference on Combinatorics, Graph Theory,
Computing
Boca Raton, FL; February, 1992.

Algorithms on Non-point
872nd Meeting of the AMS
Tuscaloosa, AL; March, 1992.

Database Query
NSF-INRIA Workshop on Databases and Finite Model Theory
San Diego, CA; June, 1992.

Algorithmic Combinatorics, Structures
Dagstuhl-Seminar 9323 on Semantics of Programming Languages and Algebra
Dagstuhl, Germany; June, 1993.

Algorithms
18th MAA Florida Suncoast Meeting
Venice, FL; December, 1993.

Combinatorics
19th MAA Florida Suncoast Meeting
St. Petersburg, FL; December, 1994

Random Functions
26th Southeastern International Conference on Combinatorics, Graph Theory,
Computing
Boca Raton, FL; March, 1995.

Algorithmic Random Structures and Algorithms (RANDOM'95)

B r e v i a r u m C r

32nd Annual Meeting of the Suncoast Region of the Florida Section of the Mathematics Association of America

St. Petersburg, FL, December 2007

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Pi Mu Epsilon Induction Banquet

Jacksonville, FL, April 2008

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Thirty-Ninth Southeastern International Conference on Combinatorics, Graph The-

Polk State College, Lakeland, Florida, April 2012

Art Controversy
37th Annual Meeting of the Suncoast Region of the Florida Section of the Mathematics Association of America
State College of Florida, Bradenton, Florida, December 2012.

Geometry
Special Session on Geometry, 38th Annual Meeting of the Suncoast Region of the Florida Section of the Mathematics Association of America
Hillsborough Community College - SouthShore Campus, Ruskin, Florida, December 2013.

Plenary Session
Plenary Session, 38th Annual Meeting of the Suncoast Region of the Florida Section of the Mathematics Association of America
Hillsborough Community College - SouthShore Campus, Ruskin, Florida, December 2013.

Discrete Geometry in Crystallography
Special Session on Discrete Geometry in Crystallography, 1,098th Meeting of the American Mathematical Society
University of Maryland - Baltimore County, Baltimore, Maryland, March 2014.

International Union of Crystallography
23rd Congress and General Assembly of the International Union of Crystallography
Montreal, Canada, August 2014.

Discrete Geometry in Crystallography
39th Annual Meeting of the Suncoast Region of the Florida Section of the Mathematics Association of America
University of South Florida - Sarasota / Manatee, Sarasota, Florida, December 2014.

Joint Annual Meeting
Joint Annual Meeting of the Mathematical Association of America (Florida Section) and the Florida Two-Year College Mathematical Association
Eckerd College, St. Petersburg, Florida, January 2015

Henry C Hartje, Jr. Lecture
Henry C Hartje, Jr. Lecture
Florida Southern College, Lakeland, Florida, April 2015.

40th Annual Meeting
40th Annual Meeting of the Suncoast Region of the Florida Section of the Mathematics Association of America
Florida Polytechnic University, Florida, December 2015.

Artifical Intelligence
Joint Annual Meeting of the Mathematical Association of America (Florida Section) and the Florida Two-Year College Mathematical Association
Etif Symmec-

Starry, Starry Numbers: An Introduction to the History of Mathematics and Cosmology, by Emily Rolfe Grosholz

pub. Springer, 2016

AA - v. ws (2017), <https://www.maa.org/press/maa-reviews/starry-reckoning-reference-and-analysis-in-mathematics-and-cosmology>

Internet. Google. Internet. History. Document

Department Graduate Program Director
1993-95

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Do to , tu nt

- Ana Staninska, jointly directed with Natasha Jonoska, 2007

A or t or, A o

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- Deborah Nelson, 2000

B n ot

- Joy D'Andrea, 2011

Fun n r on t Co p o o

- Lindsay Fields, 2018

D op n o to r t r n o Co pu B or n In
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- Daviel Leyva, 2019

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**Minisymposium on Crystal Design using Discrete Structures in Geometry
Philadelphia, PA; May, 2010**

Special session co-organizer

**1079th Meeting of the American Mathematical Society
Special Session on Modeling Crystalline and Quasi-Crystalline Materials
Tampa, FL; March, 2012**

Minisymposium co-organizer

**SIAM Mathematical Aspects of Materials Science Meeting
Minisymposia on Mathematical Crystallography I, II, and III
Philadelphia, PA; May, 2013**

Special Issue Co-Editor

**Acta Crystallographica A
Virtual Issue on Mathematical Crystallography
Articles in Volume 70, Numbers 2, 3, 4**

Minisymposium co-organizer

**SIAM Mathematical Aspects of Materials Science Meeting
Minisymposia on Mathematical Crystallography I, II, III, and IV
Philadelphia, PA; May, 2016**

Special session co-organizer

**1152nd Meeting of the American Mathematical Society
Special Session on Crystalline and Highly Symmetric Structures
Gainesville, FL; November, 2019**

University of South Florida; service through the years:

- Regular Committ28784]J T[M]-0.367(28784]J T[M]-0.367()-0.765802(t)--0.765802(t(t)5(i)-07c26

Various textbook committees

Academic Community; service through the years:

- Administrator, International Union of Crystallography weblog *Crystalline* at <http://blogs.iucr.net/crystalmath/>, 2012 - present
- Consultant, International Union of Crystallography Commission on Crystallographic Education, 2013 - 2014
- Member, International Union of Crystallography Commission on Crystallographic Education, 2014 - present

United faculty of Florida; service through the years:

- Member, FEA Delegate Assembly
- Member, UFF Senate
- Secretary, UFF/USF Chapter
- Publicity Chair, UFF/USF Chapter
(Editor, *Notation*, *News* and the *FFB* *A* *F*)