

BIOGRAPHICAL SKETCH

CANDICE PRICE
UNITED STATES MILITARY ACADEMY, WEST POINT NY

1. PROFESSIONAL PREPARATION

California State University, Chico	Mathematics	BS. 2003
San Francisco State University	Mathematics	MA. 2007
University of Iowa	Mathematics	Ph.D. 2012

2. APPOINTMENTS

- National Research Council (NRC) Davies Fellow, July 13-present
- Assistant Professor, United States Military Academy, West Point NY, July 12-present
- Sloan Foundation Scholar, June 10-July 12
- Vertical Integration of Research and Education (VIGRE) Trainee, Aug 10-May 11
- Graduate Assistance in Areas of National Need (GAANN) Fellow, Aug 08-Aug 09
- Graduate Assistance in Areas of National Need (GAANN) Fellow, Aug 06-Aug 07
- Sally Casanova California Pre-Doctoral Program Scholar, Aug 05-Aug 06
- Minority Access to Research Careers (MARC) Honors Program, Aug 05-Aug 06
- Louis Stokes Alliance for Minority Participation (LSAMP), Masters Bridge to the Doctorate Fellow, Aug 04-Aug 05

3. PUBLICATIONS

- (1) “A Lattice of Set Partitions and Transition Matrices of Symmetric Functions” In Progress
Joint Work with Alexandria Burnley, Rosa Orellana, Aquia Richburg and Simone Thiry
- (2) “Chromatic Symmetric Functions of Special Types of Graphs” In Progress
Joint Work with Damien Gonzales, Arman Green, Rosa Orellana, and Caprice Stanley
- (3) “A discussion on the combinatorial version of knot Floer homology” In Progress

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| (4) | “Computing Link Floer Homology”
Joint work with Erik Insko and Garrett Jones | In Progress |
| (5) | “Oriented skein relation and a biological application” | In Preparation |
| (6) | “Oriented skein relation and a biological application”, Ph.D Dissertation | July 2012 |
| (7) | “The Coloring Invariant and Tangles”, Masters Thesis | May 2007 |
| (8) | “Coloring Invariant and Determinants”
Online Journal of Undergraduate Papers in Knot Theory
http://educ.jmu.edu/~taalmala/OJUPKT/candiceprice.pdf | Aug 2003 |

4. SYNERGISTIC ACTIVITIES

- (1) Organized an NSF funded conference for underrepresented students in topology and algebra titled Underrepresented Students in Topology and Algebra Research Symposium (USTARS) 2011-2013 and is the PI for the NSF conference grant DMS-1053428, PI for the NSA conference grant proposal 120904 and co-PI for the NSF conference grant DMS-1317928. Active in organizations for women and minorities including Enhancing Diversity in Graduate Education (EDGE). Includes mentoring undergraduate and high school students through Infinite Possibilities Conference, LSAMP Calculus Bootcamp and San Francisco Math Circle and participating in careers and connections workshops for women and minorities in mathematics at the IMA and MSRI.
- (2) Assistant Professor for United States Military Academy at West Point for a Mathematical Modeling course and Differential Calculus course. Also a Graduate Teaching Assistant for San Francisco State University and University of Iowa as a primary instructor for Algebra II which included lecturing, lesson planning, grading and exam preparation. Also for the Mathematical Science Research Institute-Undergraduate Program whose topics include Coding Theory, Experimental Mathematics and Algebraic Combinatorics.
- (3) Travelled to give roughly 4-6 talks and panel discussions per year for: departmental colloquia and seminars; national and international conferences in topology and biology; undergraduate audiences at colleges like Simpson College, Scranton University and Morehouse College in topics including topology, DNA topology and math-biology.
- (4) Active in the United States Military Academy Math Department through working with cadets participating in national and international mathematics competitions, text book editing and reviewing. Active at the University of Iowa Math department through organizing a student run conference, serving on the Math Grad Board, volunteering for Sonya Kovalevsky Day, organizing research writing (agraphia) groups for 3rd-5th year graduate students, and organizing various community service events including clothing drive for Darfur refugees and canned food drive for Iowa City residents after the summer 2008 flood.

5. COLLABORATORS AND OTHER AFFILIATIONS

5.1. Graduate Advisors.

- Masters Advisor: Mariel Vazquez, San Francisco State University
- Doctoral Advisor: Isabel Darcy, University of Iowa