

Name: Rebecca E. Garcia
Professor
Mathematics and Statistics

Title: Associate
College of Sciences

Degrees Earned Ph.D. in Mathematics (New Mexico State University)
M.A. in Mathematics (University of California, Berkeley)
B.S. in Mathematics (Loyola Marymount University)

Professional Licensure and Certifications

None

**Peer-Review Publications and Artistic Performances/Exhibitions Articles Books Chapters
Proceedings Artistic Performances Artistic Exhibitions**

S. Chapman, L. García-Puente, R. Garcia, M. Malandro, and K. Smith,
“Theory of Sandpile Monoids and Sandpile Groups over Directed Graphs,” submitted to J. Comb.
Theory A, 2011

R. Garcia, M. Lane and B. Loft, “Algebraic Combinatorics of Diametric Magic
Circles,” Mathematics and Computers in Simulation (2010): doi:10.1016/j.matcom.2010.09.017

R. Garcia, S. Meyer, S. Sanders, and A. Seitz, “Construction and enumeration
of Franklin circles,” Involve, 2 Issue 3 (2009), 357 – 370. doi: 10.2140/involve.2009.2.357

R. Garcia and D. Silva, “The Order Dimension of Layered Generalized
Crowns,” to appear in Ars Combinatoria.

Research Monographs and Technical Reports, Funded External Grants

National Science Foundation Grant - Enhancing the Mathematical Sciences
Workforce in the 21st Century (Awarded) in collaboration with University of Hawai'i at Hilo.
DMS-1045082 and DMS-1045147. Amount awarded to date \$888,185 for three years. Pending
\$585,506 for two additional years. (Spring 2011)

Center for Undergraduate Research in Mathematics. NSF-Sponsored Grant
through Brigham Young University. Amount awarded \$16,450. (Summer 2007 - Spring 2008)

Peer-Review Presentations/Posters

Work or Professional Experiences

Honors and Awards

Other Competencies