

EVAN D FULLER, PH.D.

Assistant Professor
 Department of Mathematical Sciences
 Montclair State University
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EDUCATION

Ph.D.	Mathematics	University of California	San Diego, CA	June 2009
	Dissertation: <i>Generating Functions for Composition/Word Statistics</i>			
	Advisor: Jeff Remmel (Professor)			
M.A.	Mathematics	University of California	San Diego, CA	June 2006
B.S.	Mathematics	University of Texas	Austin, TX	May 2004
B.A.	Plan II Honors			

PROFESSIONAL EXPERIENCE

Assistant Professor	Montclair State University	Montclair, NJ	2009 - Present
Teaching/Research Assistant	University of California	San Diego, CA	2004 - 2009
Instructor	Mesa Community College	San Diego, CA	2007 - 2007
Learning Center Tutor	University of Texas	Austin, TX	2000 - 2004

GRANT AWARDS

2010-2013. Co-Principal Investigator, *Proving Styles in University Mathematics* [in collaboration with Pablo Mejia Ramos (PI), Keith Weber, and Jimmy de la Torre] (\$443,907). National Science Foundation Research and Evaluation on Education in Science and Engineering (REESE).

HONORS AND AWARDS

- MAA Project NExT (New Experiences for Teachers) Fellow (2009-2010)
- University of California, San Diego Summer Teaching Fellow (2008)

TEACHING EXPERIENCE*Montclair State University*

MATH 106	Contemporary Applied Mathematics for Everyone	Fall 2009, Spring 2010, Fall 2010
MATH 350	College Geometry	Fall 2009
MATH 743	Advanced Perspectives on High School Mathematics	Fall 2010

University of California, San Diego

MATH 3C	Pre-Calculus	Summer 2007
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Mesa Community College

MATH 095	Intermediate Algebra	Spring 2007
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PUBLICATIONS*Journal Articles*

E. Fuller, J. B. Remmel, Symmetric Functions and Generating Functions for Descents and Major Indices in Compositions. *Annals of Combinatorics*, 14 no. 1 (2010), 103-121.

Harel, G., Fuller, E., & Rabin, J.M. (2008). Attention to Meaning by Algebra Teachers. *Journal of Mathematical Behavior*, 27, 116-127.

Book Chapters

Harel, G., & Fuller, E. (2009). Current Contributions Toward Comprehensive Perspectives on the Learning and Teaching of Proof. In M. Blanton, D. Stylianou, and E. Knuth (Eds.) *A Proof Story across the Grades* (pp. 355-370). New York: Routledge.

Peer-Reviewed Conference Papers

Mejia-Ramos, J. P., Weber, K., Fuller, E., Samkoff, A., Search, R., & Rhoads, K. (2010). Modeling the comprehension of proofs in undergraduate mathematics. In *Proceedings of the 13th Annual Conference on Research in Undergraduate Mathematics Education*, Raleigh, NC.

In Review

Mejia-Ramos, J. P., Weber, K., Fuller, E., Samkoff, A., Search, R., & Rhoads, K. A Model for Proof Comprehension in Undergraduate Mathematics. *Educational Studies in Mathematics*.

E. Fuller, J. B. Remmel. Quasi-Symmetric Functions and Up-Down Words. *Discrete Mathematics*.

Fuller, E., Harel, G., & Rabin, J.M. Intellectual Need and Problem-Free Activity in the Classroom. *International Journal of Computers for Mathematical Learning*.

SCHOLARLY PRESENTATIONS*Invited Talks*

August 2010 *Understanding and Assessing Mathematical Proofs*. 80-minute workshop given at MathFest, Pittsburgh, PA.

October 2009 *Counting Up-down Sequences via a Simple Involution*. Discrete Mathematics Seminar, Montclair State University.

October 2009 *Symmetric Functions and Word/Composition Statistics*. Discrete Mathematics Seminar, Montclair State University.

June 2006 *Problem-free Activity in High School Classrooms*. Conference for Preparing Mathematicians to Educate Teachers, SUNY Oswego.

March 2006 *Setting Cognitive Goals*. Mathematics Diagnostic Testing Project conference, San Diego, CA.

Research Conference Presentations

January 2010 *Understanding mathematical proofs: What does it mean and how can it be assessed?* Joint Mathematical Meetings, San Francisco, CA.

- January 2009 *In-Service Teachers' Proof Schemes in Transition*. Joint Mathematical Meetings, Washington, DC.
- March 2008 *In-Service Teachers' Proof Schemes in Transition*. 11th Conference on Research in Undergraduate Mathematics Education (CRUME), San Diego, CA.
- February 2007 *Problem-free Activity in High School Classrooms*. 10th Conference on Research in Undergraduate Mathematics Education (CRUME), San Diego, CA.