CURRICULUM VITAE

PERSONAL DATA:

Name:	O'Neill, Michael Davlin
Born:	July 9, 1967
	Lompoc, California
Address:	Dept. of Mathematics
	Claremont McKenna College
	Claremont,CA 91711
Tel:	(909) 607-8336
email:	moneill@cmc.edu

EDUCATION:

Ph.D.	UCLA, Mathematics (Classical Analysis)	1995
B.A.	Harvard University, Mathematics and Physics	1989

PROFESSIONAL EXPERIENCE:

Fall 2009-Present	Claremont McKenna College, Chair of the Department of Mathematics
Fall Semester 2008	Claremont McKenna College, Chair of the Department of Mathematics
Fall 2007- Present	Claremont McKenna College, chair of the Institutional Review Board
2003-Present	Claremont McKenna College, Associate Professor
2000-2003	Claremont McKenna College, Assistant Professor
2001	Institut Mittag Leffler, Visiting Researcher
1995-2000	University of Texas at El Paso, Assistant Professor
1989 - 1995	UCLA, Teaching and Research Assistant

TEACHING EXPERIENCE:

Undergraduate: Game Theory, Additive number theory, Calculus and Analytic Geometry, Multivariable Calculus, Ordinary Differential Equations, Complex Variables, Matrix Algebra, Introduction to Analysis, Transition to Upper Division Mathematics, Precalculus, Upper Division Algebra, Partial Differential Equations, Applied Combinatorics, Probability (with calculus

prerequisite), Statistical Inference (Mathematical Statistics course with Data Analysis using R), Stochastic Processes
Graduate: Real Analysis, Fourier Analysis , Analysis and Probability.

PUBLICATIONS IN REFEREED JOURNALS:

(1) Michael D. O'Neill, "The convex hull of the interpolating Blaschke products", Michigan Math. J. 44(1997) no.3.

(2) Michael D. O'Neill, "J.E. McMillan's area theorem", Colloq. Math. 79 (1999), no.2. 229–234.

(3) Michael D. O'Neill, "Random walk and the boundary behavior of Bloch functions", Houston J. Math. 25 (1999), no.2,379-386.

(4) Michael D. O'Neill, "Anderson's conjecture for domains with fractal boundary", Rocky Mountain Math. J. 30 (2000), no. 1, 341-352.

(5) Michael D. O'Neill and Robert E. Thurman, "Extremal domains for Robin capacity ", Complex Variables Theory Appl. 41 (2000), no.1, 91-109.

(6) M.A. Khamsi, H. Knaust, M.D. O'Neill, N.T. Nguyen "Lambda hyper-convexity in metric spaces", Nonlinear Anal. 43 (2001),no.1, 21-31.

(7) Michael D. O'Neill and Robert E. Thurman,"A problem of McMillan on conformal mappings", Pacific J. Math. 197 (2001), no.1,145-150.

(8) Michael D. O'Neill, "Extremal domains for the geometric reformulation of Brennan's conjecture", Rocky Mountain J. Math. 30 (2000) no.4, 1481-1501.

(9) Michael D. O'Neill, "Vertical variation of harmonic functions in upper half spaces", Colloq. Math. 87 (2001), no.1, 1-12.

(10) Michael D. O'Neill and Robert E. Thurman, "McMillan's area problem", Michigan Math. J. 47 (2000), no. 3, 613-620.

(11) Massimo Furi, Mario Martelli, Mike O'Neill and Carolyn Staples, "Chaotic orbits of a pendulum with variable length", Electronic J. Differential Equations. 47 (2004), no. 36, 14pp.

(12) Eva Nazarevicz, Mike O'Brien, Mike O'Neill and Carolyn Staples, "Equality in Pollard's theorem on addition of congruence classes", Acta Arith. 127 (2007), 1-15

(13) Massimo Furi, Mario Martelli, Mike O'Neill, "Global stability of equilibria", J. Difference Equ. Appl. 15 (2009), no. 4, 387-397.

(14) Michael D. O'Neill, "A Green proof of Fatou's theorem", Journal of Statistical Theory and Practice. 5 (2011), no. 3, 497-512.

(15) Michael D. O'Neill, "A geometric and stochastic proof of the twist point theorem", Publicacions Matematiques. 56 (2012), no. 1, 41-63.

(16) Jorge Aarao and Michael D. O'Neill, "Sharp estimates in some inequalities of Zygmund type for Riesz Transforms", To appear in Proc. AMS.

Selected invited lectures:

(1) "Additive number theory for undergraduates", Summer REU program at the Claremont Colleges, 2007.

(2) "Undergraduate research in additive number theory", MAA MathFest, San Jose, August 2007

(3) "Scary Boundaries", Claremont Colleges Mathematics colloquium, October 2007

(4) "Boundary behavior of harmonic functions and Brownian motion", Special session on applications of stochastic processes. AMS sectional meeting UC Riverside, November 2009.

(5) "Sharp inequalities of Zygmund type for Riesz transforms",Special session on mathematical models of random phenomenon. AMS sectional meeting UC Los Angeles, October 2010.

(6) " Surreal numbers and combinatorial games.", Claremont Gateway to Exploring Mathematical Sciences Program, November 2010.

(7) "Sharp inequalities and the colloquium of Christ", Claremont analysis seminar, November 2011.

SERVICE:

Chair of the Claremont McKenna College Department of Mathematics, Fall Semester 2008 and Fall 2009 to Spring 2012

Chair of the Institutional Review Board of Claremont McKenna College, Fall 2007 to Spring 2012

Member of the Claremont McKenna College Administration Committee, Fall 2011 to Spring 2012

AMS Representative to the MAA committee on undergraduate curriculum.

Member of the special sub-committee on curiculum in probability, 2012

Organizer of the Claremont Analysis seminar, 2007-2009

Organizer of the Atul Vyas Memrial lecture, annually since 2008.

Regular Referee for several mathematical journals.