

Curriculum Vitae

Dana D. Clahane

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EDUCATION

Ph.D. in Mathematics, University of California, Irvine, 1994-2000
Bernard Russo, Advisor.

Thesis: *Composition Operators on Holomorphic Function Spaces in Several Complex Variables.*

Research Interests: Analysis, probability, dynamical systems, imaging, physics, cosmology, space science.

M.A. in Mathematics, California State University, Long Beach, 1987-1989.

B.S. in Mathematics, Cum Laude, Biola University, La Mirada, 1983-1987.

POSTDOCTORAL POSITIONS

University of California
Riverside, CA

Visiting Assistant Professor
Spring 2005-Spring 2008

Michel Lapidus, Research mentor

Institute for Mathematics and its Applications (IMA), University of Minnesota
Minneapolis, MN

Member
9-11/2005

Indiana University
Bloomington, IN

NSF VIGRE Postdoctoral Fellow
2001-2004

Hari Bercovici, Research mentor

California State University
San Marcos, CA

Visiting Assistant Professor
2000-2001

CURRENT REGULAR APPOINTMENT

Fullerton College
Fullerton, CA

Professor of Mathematics
1992-Present

PUBLICATIONS

- *Compact weighted composition operators and fixed points in convex domains*, Fixed Point Theory and Applications, 2007, Art. ID 28750, 8pp.
- *Norm equivalence and composition operators between Bloch/Lipschitz spaces of the unit ball* (with S. Stević), Journal of Inequalities and Applications, 2006, Art. ID 61018, 11pp.
- *Composition operators on generalized Bloch and Lipschitz spaces of the polydisk*, joint with S. Stević and Z. Zhou, preprint, 37 pages, <http://arxiv.org/mathFA/0507339>.
- *Spectra of compact composition operators over bounded symmetric domains*, Integral Equations and Operator Theory, **51** (2005), 41-56.
- *Bounded composition operators on Lipschitz and Bloch spaces of the polydisk*, preprint, 7 pages, 2002.
- *Compact composition operators on weighted Bergman spaces of the unit ball*, Journal of Operator Theory, **45** (2001), no. 2, 335-355.
- *Calculus* (with K. Scully), 305 pp., in preparation.

JOURNAL ARTICLE REVIEWS AUTHORED

- P. Bourdon/B. MacCluer. *Selfcommutators of automorphic composition operators*, *Complex Variables and Elliptical Equations*, **52** (2007), no. 1, 85-104.
- B. MacCluer/M. Pons. *Automorphic composition operators on Hardy and Bergman spaces of the unit ball*, *Houston Journal of Mathematics*, **32**, (2006), no. 4, 1121-1132.
- Z. Zhou/M.Zhu/J. Shi. *Composition operators on the little Bloch space in polydiscs*, *Acta Mathematica Scientarium. Ser. B, Engl. Ed.*, **25** (2005), no. 4, 629-638 (MR #2175928.)
- S. Li. *Composition operators on Q_p spaces*, *Georgian Mathematics Journal*, **12** (2005), no. 3, 505-514 (MR #2174952).

EDITORIAL EXPERIENCE

M. Lapidus. *In Search of the Riemann Zeros. Strings, Fractal Membranes and Noncommutative Spacetimes*. American Mathematical Society, Providence, RI, 2008, 558 pages. [I provided thorough editorial assistance for the entire book except the last Appendix.]

PROFESSIONAL MEMBERSHIPS AND SYNERGISTIC ACTIVITIES

- Founder and Organizer, Monthly Math Colloquium, Fullerton College, Fall 2009 - Present.
- Advisor, Math Association, Fullerton College, Fall 2009 - Present.
- Advisor for twelve independent study/undergraduate research students, Fullerton College, Fall 2009.
- Advisor for six independent study/undergraduate research students, Fullerton College, Spring 2009.
- Advisor for two independent study/undergraduate research students, Fullerton College, Fall 2008.
- William Lowell Putnam Mathematical Competition organizer and supervisor, Fullerton College, 2009-Present.
- Senior Undergraduate Honors Thesis Co-Advisor for Jason Payne (UC Riverside mathematics major and recipient of UC Riverside Chancellor's Fellowship for Ph.D. studies in Mathematics), Fall 2006 - Spring 2008.)
- Organizer, Dynamical Systems Informal Learning Seminar, 2007.
- American Mathematical Society (AMS), 1987-Present.
- Mathematical Association of America, 2003-Present.
- Reviewer, *Mathematical Reviews*, 2005-Present.
- Referee, *International Journal of Mathematics and Mathematical Sciences*, 2004-Present.
- Referee, *Acta Universitatis Szegediensis*, 2007-Present.
- Organizer and co-organizer, VIGRE Seminar, Mathematics, Indiana University Bloomington, 2002-2004.
- Course co-coordinator, Fullerton College, 1994 - Present.

PRESENTATIONS

- Math Association Meeting Weekly Default Speaker, Fullerton College, 2009 - Present.
- Math Club, Cypress College, 4/09.
- Functional Analysis Seminar, UC Riverside, 2/08.
- Mathematical Physics/Dynamical Systems Seminar, UC Riverside, 2/07.
- Functional Analysis Seminar, UC Riverside, 10/06.
- Department Colloquium, CSU San Bernadino, 9/06.
- Analysis Seminar, UC Irvine, 3/06.
- Southeastern Analysis Meeting, U. of Florida (20-minute contributed talk), 3/06.
- Mathematical Physics/Dynamical Systems Seminar, UC Riverside, 11/17/05.

- Functional Analysis Seminar, UC Riverside (two 50-minute lectures), 10/05.
- Wabash Modern Analysis Miniconference, Indianapolis (20-minute contributed talk), 9/05.
- International Workshop on Operator Theory and Applications, U. of Connecticut (20-minute contributed talk), 7/05.
- Wabash Modern Analysis Miniconference, Indianapolis (20-minute contributed talk), 9/04.
- Wabash Modern Analysis Seminar, Crawfordsville (50-minute invited talk), 4/03.
- Analysis Seminar, University of California, Irvine, 3/03.
- Harmonic Analysis Seminar, Indiana University Bloomington, 4/02.
- AMS Special Session on Banach Algebras and Operator Theory, CSU San Francisco (20-minute invited talk), 9/00.
- Great Plains Operator Theory Symposium, San Juan, Puerto Rico (20-minute contributed talk), 5/00.
- Department Colloquium, Cal Poly San Luis Obispo, 4/00.
- Southeastern Analysis Meeting, U. of Virginia (20-minute contributed talk), 3/00.
- AMS Special Session on Banach Spaces and Operator Theory, San Antonio (20-minute contributed talk), 1/99.
- AMS Special Session on Several Complex Variables and Operator Theory, U. of Utah (20-minute contributed talk), 3/99.
- AMS Special Session on Banach Spaces of Analytic Functions and Operators on These Spaces, Wake Forest U. (20-minute contributed talk), 10/98.

OTHER CONFERENCE PARTICIPATION

- AMS Western Sectional Meeting, Riverside, 2009.
- "Frontiers in Imaging" Workshop, IMA, U. of Minnesota, 2005.
- "Imaging from Wave Propagation" Workshop, IMA, Minneapolis, 2005.
- "Tutorial on Radar and Optical Imaging" Workshop, Minneapolis, 2005.
- National Joint AMS/MAA/ASL Meeting, Atlanta, 2005.
- Wabash Extramural Modern Analysis Miniconference, Indianapolis, 2003.
- Central Section Meeting of the AMS, Bloomington, 2003.
- Wabash Extramural Modern Analysis Miniconference, Indianapolis, 2002.
- Wabash Extramural Modern Analysis Miniconference, Indianapolis, 2001.
- Western Section Meeting of the AMS, Irvine, 2002.
- Introductory Workshop in Harmonic Analysis, MSRI, 1997.
- AMATYC National Meeting, Boston, 1994.
- CMC³ Meeting, Monterey, 1993.

SERVICE

- Program Review Contributor, Fullerton College, 2009 - Present.
- Mathematics/Computer Science Division Faculty Senate Representative, Fullerton College, 2008-2010.
- Transfer Level Committee, Fullerton College, 1993-Present.
- Basic Skills Committee, Fullerton College, 1993-Present.
- Textbook Selection Committees, Fullerton College, 1993-Present
- Full-time Mathematics Instructor Hiring Committees, Fullerton College, 2000-2002.
- Interim Mathematics/Computer Science Dean Hiring Committee, 1998.

AWARDS

- Membership with full financial support, Institute for Mathematics and its Applications, University of Minnesota, 2005.

- Research Sabbatical Leave, Fullerton College, 2005-6.
- National Science (NSF) Vertical Integration of Graduate and Research Education (VIGRE) Postdoctoral Fellowship, Indiana University, Bloomington, 2001-2004.
- University of California Regents' Dissertation Fellowship, 2000.
- Education Sabbatical Leave, Fullerton College, 1998.