



Adrian Ioana

Professor of Mathematics

Research Areas Functional Analysis / Operator Theory
Ergodic Theory Orbit Equivalence
Representation Theory of Groups
von Neumann Algebras

Office Location AP&M 5210
Direct Phone (858) 534-3983
Direct Fax (858) 534-5273
Email aioana@ucsd.edu
Website <http://www.math.ucsd.edu/~aioana/>

Professional Biography

Dr. Ioana received his Ph.D. from UCLA in 2007 under the direction of Sorin Popa. He spent a subsequent year as a Taussky-Todd Instructor at Caltech where he taught a graduate course on Functional Analysis. He was awarded a Clay Research Fellowship at UCLA for 2008-2011 and although he was not required to, he taught an undergraduate course on Abstract Algebra in Winter 2010 receiving unusually high student approval ratings.

Dr. Ioana is an expert in two fields. One field is von Neumann Algebras, an area which emerged from quantum mechanics in the mid-1930s, and the other is Ergodic Theory, the study of "volume" preserving dynamics which emerged from statistical physics about 100 years ago. These are currently very active and highly competitive areas of Mathematics. The addition of Dr. Ioana to the Department of Mathematics has broadened the expertise in the Department, and at the same time strengthened and complemented in an excellent way our existing groups in e.g. Analysis, Functional Analysis, and Algebra.

Education

- Ph.D. Mathematics, University of California, Los Angeles, 2007
- B.S. Mathematics, University of Bucharest, Romania, 2003

Awards and Distinctions

- NSF Career Award
- Alfred P. Sloan Research Fellowship
- European Math Society Prize
- Clay Research Fellowship

