

# José R. Carrión

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## Education

2013 **Ph.D. in Mathematics**  
*Purdue University*  
ADVISOR: Marius Dadarlat

2004 **B.S. in Mathematics**  
*University of Puerto Rico*

## Positions Held

2013– **Mathematical Sciences Postdoctoral Research Fellow**  
*National Science Foundation*

**S. Chowla Research Assistant Professor**  
*The Pennsylvania State University*

## Publications

- 2013 *On groups with quasidiagonal  $C^*$ -algebras*, J. Funct. Anal. **265** (2013), no. 1, 135–152. Joint work with Marius Dadarlat and Caleb Eckhardt.  
*Quasi-representations of surface groups*, J. Lond. Math. Soc. (2) **88** (2013), no. 2, 501–522. Joint work with Marius Dadarlat.
- 2011 *Classification of a class of crossed product  $C^*$ -algebras associated to residually finite groups*, J. Funct. Anal. **260** (2011), no. 9, 2815–2825.
- 2008 *Approximations of  $C^*$ -algebras and the ideal property*, J. Math. Anal. Appl. **338** (2008), no. 2, 925–945. Joint work with Cornel Pasnicu.

## Talks

- 2013 *Concentration Week: Dynamics, Geometry, and Operator Algebras*, Texas A&M University (50 minutes). August 5, 2013.
- 2012 *Oberwolfach Workshop: “ $C^*$ -Algebras, Dynamics, and Classification,”* Mathematisches Forschungsinstitut Oberwolfach, Germany (30 minutes). October 29, 2012.  
*East Coast Operator Algebras Symposium*, University of Tennessee, Knoxville (30 minutes). October 6, 2012.  
*Wabash Modern Analysis Mini-conference*, Indiana University-Purdue University Indianapolis (20 minutes). September 15, 2012.

## Talks (continued)

*Great Plains Operator Theory Symposium*, University of Houston (20 minutes). May 30, 2012.  
*NSF/CBMS Regional Conference in the Mathematical Sciences: “Topological and algebraic regularity properties of nuclear  $C^*$ -algebras,”* University of Louisiana at Lafayette (30 minutes). May 15, 2012.

- 2011 *AMS Fall Sectional Meeting, Special Session on Dynamical Systems and Operator Algebras*, University of Nebraska-Lincoln (20 minutes). October 15, 2011.  
*Wabash Modern Analysis Mini-conference*, Indiana University-Purdue University Indianapolis (20 minutes). September 24, 2011.  
*Conference on Structure and Classification of  $C^*$ -algebras*, Centre de Recerca Matemàtica, Bellaterra, Spain (25 minutes). June 7, 2011.  
*Workshop on Dynamics and  $C^*$ -algebras*, Centre de Recerca Matemàtica, Bellaterra, Spain (30 minutes). April 7, 2011.
- 2010 *Wabash Modern Analysis Mini-conference*, Indiana University-Purdue University Indianapolis (20 minutes). October 2, 2010.

## Seminars

- 2013 Penn State University Noncommutative Geometry Seminar. December, 2013.  
Penn State University  $C^*$ -algebra Seminar. September, 2013.  
Purdue University Operator Algebras Seminar. April, 2013.
- 2012 University of Copenhagen Operator Algebras Seminar. December, 2012.  
Miami University Analysis Seminar. October, 2012.
- 2011 Purdue University Operator Algebras Seminar. August, 2011.
- 2010 Purdue University Operator Algebras Seminar. March, 2010.
- 2009 Purdue University Operator Algebras Seminar. October, 2009.  
Purdue University Operator Algebras Seminar. September, 2009.

## Grants & Awards

### Grants/Fellowships

- 2013 *Mathematical Sciences Postdoctoral Research Fellowship*, National Science Foundation. (\$150,000)
- 2012 *Purdue Research Foundation Grant*, Purdue University. (\$15,750)
- 2007 *Purdue Doctoral Fellowship*, Purdue University. (\$40,000)
- 2001 *Fellowship*, NASA Puerto Rico Space Grant Consortium, University of Puerto Rico. (\$12,000)

### Awards

- 2004 *National Science Foundation Computer Science, Engineering, and Mathematics Award*, Department of Computer Science, University of Puerto Rico.  
*Dr. Francisco Garriga Medal*, School of Natural Sciences, University of Puerto Rico.  
(Awarded to “the most distinguished mathematics major of his or her graduating class.”)

## Teaching

- 2013 *Principal instructor*: Vector Calculus.
- 2010–12 *Principal instructor*: Introductory Analysis II; Algebra and Trigonometry I.  
*Recitation instructor*: Precalculus.

## Teaching (continued)

2010–11 I have also led Summer review sessions for students participating in Purdue's Multicultural Programs.

## Synergistic Activities

2013– *Co-organizer*, Department of Mathematics'  $C^*$ -algebras Seminar, Penn State University.  
2012–13 *Co-organizer*, Department of Mathematics' Basic Notions Seminar, Purdue University.  
2010–12 *Organizer*, Student Operator Algebras Seminar, Purdue University.  
2010–11 *Mathematics Facilitator*, Office of Multicultural Programs, Purdue University.