Benjamin P. Russo

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Department of Mathematics
Whitman Hall 180-I
Farmingdale State College SUNY

Education/ Employment

Assistant Professor September 2018 - Present
Farmingdale State College SUNY
Visiting Assistant Professor August 2016 - August 2018
University of Connecticut
Ph.D in Mathematics May 2016
University of Florida
Advisor: Scott McCullough
M.S. in Mathematics May 2012
University of Florida
B.S. in Mathematics and Physics May 2010
University of Florida

Publications

The 3-isometric Lifting Theorem with Scott McCullough
Integral Equations and Operator Theory, Volume 84, no. 1, 69–87
Lifting Commuting 3-Isometric Tuples
Operators and Matrices, Volume 11, no. 2, 397–433.
The Mittag Leffler Reproducing Kernel Hilbert Spaces of Entire and Analytic Functions with Joel Rosenfeld and Warren Dixon
Journal of Mathematical Analysis and Applications, Volume 463, Issue 2, 576–592

Accepted

Occupation Kernels and Densely Defined Liouville Operators for System Identification with Joel Rosenfeld, Rushikesh Kamalapurkar, and Taylor T Johnson
2019 IEEE Conference on Decision and Control Proceedings

In Submisssion

The Occupation Kernel Method for Nonlinear System Identification
https://arxiv.org/abs/1909.11792
Non-commutative disintegrations: existence and uniqueness in finite dimensions
https://arxiv.org/abs/1907.09689

Conferences Attended

Southeastern Analysis Meeting, Virginia Tech (March 2013)
Southeastern Analysis Meeting, Clemson University (March 2014)
Southeastern Analysis Meeting, University of Georgia (March 2015)
Great Plains Operator Theory Seminar, Purdue University (May 2015)
Southeastern Analysis Meeting, University of South Florida (March 2016)
IWOTA, Washington University in St. Louis (July 2016)
Southeastern Analysis Meeting, University of Tennessee (March 2017)
AMS Sectional Meeting, University of Indiana (April 2017)
Hilbert Function Spaces, Gargnano, Italy (May 2017)
Northeastern Analysis Meeting, University of Albany, (October 2017)
AMS Special Session on Operators on Function Spaces, JMM, (January 2018)
AMS Sectional Meeting, University of Delaware (September 2018)
WINRS, University of Virginia (September 2018)
AMS Special Session on Multivariable Operator Theory, JMM, (January 2019)
Southeastern Analysis Meeting, University of Alabama (March 2019)

Talks

Southeastern Analysis Meeting, University of Georgia (March 2015)
The Equivalence of Lifting and Factorization for 3-Isometric Tuples
Great Plains Operator Theory Symposium, Purdue University (May 2016)
The Equivalence of Lifting and Factorization for 3-Isometric Tuples
Southeastern Analysis Meeting, University of South Florida (March 2016)
Multivariate Lifting Theorems with an Application
Southeastern Analysis Meeting, University of Tennessee (March 2017)
A Generalization of the Fock Space
Hilbert Function Spaces, Gargnano, Italy (May 2017)
A Generalization of the Fock Space
UConn Math Club, University of Connecticut (October 2017)
The Game of Hex
Northeastern Analysis Meeting, University of Albany (October 2017)
A Generalization of the Fock Space
Southeastern Analysis Meeting, University of Alabama (March 2019)
C^*-algebras and the Category of Stochastic Maps

Invited Talks

Graduate Mathematics Association, University of Florida (September 2014)
My Love/Hate Relationship with the Cantor Set
AMS Special Session on Operators, Function Spaces, and Models (January 2016)
Sub-Jordan Operator Tuples
IWOTA Special Session on Multivariable Operator Theory (July 2016)
Sub-Jordan Operator Tuples
Graduate Mathematics Association, University of Florida (February 2016)
Dilations and Completely Positive Maps
SIGMA Seminar, University of Connecticut (October 2016)
Dilations and Completely Positive Maps
AMS Sectional Meeting Special Session, Indiana University (April 2017)
A Generalization of the Fock Space

AMS Special Session on Operators on Function Spaces, JMM (January 2018)
A Generalization of the Fock Space
AMS Special Session, University of Delaware (September 2018)
C^*-algebras and the Category of Stochastic Maps
WINRS Special Session, University of Virginia (September 2018)
Fractional Derivatives and the Segal Bargmann Space
AMS Special Session on Multivariable Operator Theory, JMM (January 2019)
C^*-algebras and the Category of Stochastic Maps
IWOTA Special Session on Free-Analysis and Free Probability (July 2019)
C^*-algebras and the Category of Stochastic Maps
AMS Special Session on Recent Progress in Operator Theory (November 2019)
Occupation Kernels and Liouville Operators

Referee Activity

Operators and Matrices
Annales de l'institut Fourier

Undergraduate Research Mentoring

Periodic Cycles on the Riemann Sphere under Möbius Transformations
with Anthony Ercolano

Teaching Experience

Courses taught at Farmingdale State College SUNY

MTH 107 - Introduction to Mathematical Ideas
MTH 129 - Pre-Calculus
MTH 130 - Calculus I with Applications
MTH 150 - Calculus I
MTH 151 - Calculus II
MTH 322 - Advanced Mathematical Analysis
MTh 354 - Principles of Real Analysis

Courses taught at University of Connecticut

MATH 1070 - Mathematics for Business and Economics
MATH 1131Q - Calculus I
MATH 2210Q - Applied Linear Algebra
MATH 2710 - Transition to Advanced Mathematics
MATH 3210 - Abstract Linear Algebra
MATH3150 - Analysis I

Courses taught at University of Florida

Instructor
MGF 1106 - Mathematics for Liberal Arts Majors
MAC 2312 - Analytic Geometry and Calculus II
MAP 2302 - Elementary Differential Equations

AIM Instructor (Assisting students Improving skills Maximizing potential)
MAC 1105 - Basic College Algebra

Online Instructor
MAC 1147 - Pre-Calculus and Trigonometry

Lecturer
MAC2313 - Analytic Geometry and Calculus III

Discussion Leader
MAC 1140 - Pre-calculus Algebra
MAC 1105 - Basic College Algebra
MGF 1106 - Mathematics for Liberal Arts Majors
MAC 2311 - Analytic Geometry and Calculus I
MAC 2312 - Analytic Geometry and Calculus II
MAC 2313 - Analytic Geometry and Calculus III

Course Development

Online Course Development for MAC 2313 at UF	Spring 2015 - Summer 2015
Course Development for MTH 129 at Farmingdale	Spring 2018 - present

Department Service

Graduate Student Mentor	Spring 2016
Graduate Mathematics Association Webmaster	Spring 2013 - Fall 2014
Graduate Analysis Seminar Organizer	Fall 2015
Teaching Help Desk	Fall 2015
Hiring Committee	Fall 2018
Head of the Masters Program Development Committee	Spring 2018 - present
Seminar Organizer	present
Undergraduate Seminar Organizer	present

Grants, Awards and Recognition

College of Liberal Arts and Sciences Travel Grant	
Neil White Teaching Award	Spring 2016
Letter of Recognition for Excellence in Teaching	Spring 2017
Provost Professional Development Grant	Summer 2018