

# Joshua Brough Isralowitz

---

Department of mathematics and statistics  
SUNY at Albany  
Albany, NY 12222  
Office phone: 518-442-4611

44 Meadowbrook dr., Apt 119  
Slingerlands, NY 12159  
Email: jisralowitz@albany.edu

---

## Education

---

New Jersey Institute of Technology: Albert Dorman's Honors College  
Fall 2001 - Spring 2005  
B.S. - Mathematical Sciences

University at Buffalo  
Fall 2005 - Fall 2010  
Ph.D. - Mathematics

## Publications

---

Isralowitz, J. "A characterization of norm compactness in the Bochner space  $L^p(G; B)$  for an arbitrary locally compact group  $G$ ," *Journal of Mathematical Analysis and Applications*, 323 (2006), no. 2, 1007-1017

Isralowitz, J. and Zhu, K. "Toeplitz operators on the Fock space," *Integral Equations and Operator Theory*, 66 (2010), no. 4, 593 - 611.

Bauer, W., Coburn, L., and Isralowitz, J. "Heat flow, BMO, and the compactness of Toeplitz operators," *Journal of Functional Analysis*, 259 (2010), no. 1, 57 - 78.

Isralowitz, J. "Compact operators on the Segal-Bargmann space," *Journal of Mathematical Analysis and Applications*, 374 (2011), no. 2, 554-557

Coburn, L., Isralowitz, J., and Li, B. "Toeplitz operators with BMO symbols on the Segal-Bargmann space," *Transactions of the American mathematical society*, 363 (2011), 3015-3030.

Isralowitz, J. "Schatten  $p$  class Hankel Operators on the Segal-Bargmann Space  $H^2(\mathbb{C}^n, d\mu)$  for  $0 < p < 1$ ," *Journal of Operator Theory*, 66(2011), no. 1, 145 - 160.

Bauer, W. and Isralowitz, J. "Compactness characterization of operators in the Toeplitz algebra of the Fock space  $F_\alpha^p$ ," *Journal of Functional Analysis*, 263 (2012), no. 5, 1323-1355.

Isralowitz, J. "Schatten  $p$  class commutators on the weighted Bergman space  $L_a^2(\mathbb{B}_n, dv_\gamma)$  for  $\frac{2n}{n+1+\gamma} < p < \infty$ ," to appear in *Indiana University Mathematics Journal*.

Isralowitz, J. "Invertible Toeplitz products, weighted norm inequalities, and  $A_p$  weights," submitted.

## Relevant Employment

---

University at Buffalo: Teaching Assistant  
Fall 2005 - Spring 2009

University at Buffalo: Instructor  
Fall 2009 - Fall 2010

Georg-August Universität Göttingen: Postdoctoral Researcher  
Spring 2011 - Summer 2012

SUNY at Albany: Assistant professor  
Fall 2012 - current

## Actuarial Qualifications

---

Exam P - July 2011, Exam FM - in preparation

## Talks

---

University at Buffalo analysis seminar fall 2008: “Toeplitz operators with BMO symbols on the Segal-Bargmann space.”

University at Buffalo analysis seminar spring 2009: “Schatten class Toeplitz and Hankel operators on the Segal-Bargmann and Bergman spaces.”

University at Buffalo analysis seminar spring 2010: “Heat flow, BMO, and the compactness of Toeplitz operators.”

SEAM 2010 (Georgia Tech): “Schatten class Toeplitz and Hankel operators on the Segal-Bargmann and Bergman spaces.”

Geometric and Singular Analysis 2011 (Potsdam, Germany): “Heat flow, BMO, and the compactness of Toeplitz operators.”

DMV 2011 annual meeting (Cologne, Germany): “Schatten class Toeplitz and Hankel operators on the Segal-Bargmann and Bergman spaces.”

## Past and Future Invited Talks

---

IWOTA 2011 (Seville, Spain): “Compactness characterization of operators in the Toeplitz algebra of the Fock space  $F_\alpha^p$ .”

Pusan National University (October 2011): Intensive lecture series (3 one-hour lectures)

- 1) Introduction to Fock spaces.
- 2) The Berezin transform and the boundedness, compactness, and Schatten class membership of Toeplitz operators.
- 3) Heat flow, BMO, and the compactness of Toeplitz operators.

PNU Workshop on Complex Geometry and Function Theory (October 2011, Korea): Heat flow, BMO, and the compactness of Toeplitz operators.

Korea University (October 2011): Heat flow, BMO, and the compactness of Toeplitz operators.

Seoul National University (November 2011): Introduction to Fock spaces.

Lund University (December 2011): Boundedness of Dyadic paraproducts on matrix weighted  $L^p$ .

The first workshop on Toeplitz operators in Växjö (January 2012): “Compactness characterization of operators in the Toeplitz algebra of the Fock space  $F_\alpha^p$ .”

## Courses Taught/TAed

---

Courses TAed (SUNY Buffalo):

Math 121 - lower level calculus 1	fall 2006
Math 131 - calculus for business majors	spring and summer 2007
Math 141 - calculus 1 for scientists and engineers	fall 2005 and fall 2006
Math 142 - calculus 2 for scientists and engineers	spring 2006 and spring 2007
Math 309 - introduction to linear algebra	spring and fall 2008
Math 417 - advanced multivariable calculus	fall 2008
Math 431 - single variable real analysis	fall 2007, spring 2008, and fall 2008
Math 432 - multivariable real analysis (including Lebesgue measure theory in 2009)	spring 2008 and spring 2009

Courses taught (SUNY Buffalo):

Math 121 - lower level calculus 1	summer 2009
Math 122 - lower level calculus 2	spring 2010
Math 131 - calculus for business majors	summer 2008 and fall 2009
Math 141 - calculus 1 for scientists and engineers	spring 2010
Math 142 - calculus 2 for scientists and engineers	fall 2010
Math 309 - introduction to linear algebra	summer 2010

Courses taught (SUNY Albany):

Math 214 - multivariable calculus	fall 2012
-----------------------------------	-----------