Robyn Brooks

CONTACT INFORMATION	Department of Mathematics Tulane University 6823 St. Charles Avenue New Orleans, LA 70118	801-558-4839 rbrooks3@tulane.edu

RESEARCH INTERESTS

Algebraic Topology. In particular, understanding combinatorial algebraic topology of subword orders in DNA sequences.

EDUCATION

Tulane University, New Orleans, LA

Ph.D., Mathematics, *Expected:* May 2020
- Advisor: Rafal Komendarczyk, Ph.D

Leeds School of Business, University of Colorado at Boulder, Boulder, CO

Masters of Science in Business Administration, Finance, May 2014
- Advisor: Iulian Obreja, Ph.D

Trinity University, San Antonio, TX

B.A., Mathematics, Honors Graduate, June 2009

RESEARCH EXPERIENCE

Leeds School of Business, University of Colorado at Boulder

- Hart Fellowship Researcher — May 2012 – Aug 2012

SUNY Potsdam REU in Mathematics, Potsdam, NY

- Summer Researcher — Jun – Aug 2008

TEACHING EXPERIENCE

Tulane University, New Orleans, LA

- **Teaching Assistant** Calculus I, Fall 2015, Fall 2016, Statistics for Scientists, Spring 2016, Calculus III, Spring 2017, Linear Algebra, Fall 2017

University of Colorado at Boulder, Boulder, CO

- **Instructor** Introduction to Portfolio Management, Fall 2013

- **Teaching Assistant** Introduction to Portfolio Management, Fall 2012

Girls Who Code Summer Immersion Program

- **Lead Instructor** IBM Campus, Austin, TX, Jun 2016 – Aug 2016

- **Lead Instructor** Microsoft Campus, Seattle, WA, Jun 2017 – Aug 2017

AWARDS

Student Awards — Tulane University, School of Science and Engineering
- Elizabeth Land Parks and Franklin Parks Scholar — Aug 2016 – May 2017

Research Awards — UC Boulder, Leeds School of Business
- Hart Fellowship   May 2012 – Aug 2012,

TALKS/ PRESENTATIONS	• AWM Discussion Series Tulane University, **New Orleans, LA** *Finding Opportunities for Conferences, Workshops, Networking, etc.*	Feb 2017
	• Graduate Student Colloquium, Tulane University, **New Orleans, LA** *A History of Women in Mathematics*	Apr 2017

POSTER PRESENTATIONS
- JMM Undergraduate Student Poster Session **Washington D.C.**   Jan 5 – 8, 2009
Decompositions of Various Compact Riemannian Symmetric Spaces

PEER-REVIEWED CONFERENCE PAPERS
- Sankalpa Kulkarni. Voice-Driven User Interaction. *Grace Hopper Celebration for Women in Computing*, Oct 2017

CONFERENCES / WORKSHOP PARTICIPATION
- Michigan State Univerisity, **Lansing, MI**   Apr 7 – 9, 2017
Graduate Student Topology and Geometry Conference

SERVICE
- AWM (Association for Women in Mathematics) Chapter,   Nov 2016 – May 2017
Treasurer, Tulane University
- AWM (Association for Women in Mathematics) Chapter,   May 2017 – Present
Vice President, Tulane University
- AMS (American Mathematical Society) Chapter,   Aug 2015 – Present
Member, Tulane University
- AMS (American Mathematical Society) Chapter,   May 2017 – Present
Treasurer, Tulane University
- SIAM (Society for Industrial and Applied Mathematics) Chapter, Aug 2015 – Present
Member, Tulane University
- WISE (Women+ in Science and Engineering)   Sep 2016 – Present
Member
- GSSA (Graduate Studies Student Association)   Sep 2015 – Present
Representative for Mathematics Department at Tulane University
Library Advisory Board
- GSSA (Graduate Studies Student Association)   April 2017 – Present
Treasurer
- GAPSA (Graduate and Professional Student Association)   Aug 2016 – Aug 2017
Representative for GSSA

COMMUNITY OUTREACH
- Fall 2016, Spring 2017 GiST (Girls in STEM at Tulane)Welcome Table & Workshop Leader

- Spring 2017, Fall 2017 BATS (Boys at Tulane in STEM), Welcome Table & Workshop Leader

REFERENCES
Rafal Komendarcyzk
Associate Professor   Phone: (504) 862-3459
Department of Mathematics   E-mail: rako@tulane.edu
Tulane University

Mahir Can
    Associate Professor   Phone: (504) 862-3448
    Department of Mathematics   E-mail: mcan@tulane.edu
    Tulane University
Slawomir Kwasik
    Professor   Phone: (504) 862-3437
    Department of Mathematics   E-mail: kwasik@tulane.edu
    Tulane University