The Department of Mathematics presents the

Dr. Marjorie Lee Browne Colloquium

as part of the University of Michigan’s
Rev. Dr. Martin Luther King, Jr. Symposium

Professor Rudy Horne
Associate Professor of Mathematics
Morehouse College

Monday, January 15, 2018
4:00 p.m. • Room 1324 East Hall Auditorium
530 Church Street, Ann Arbor, MI
Reception to follow in the Mathematics Atrium

Hidden Figures: Bringing Math, Physics, History, and Race to Hollywood

In January 2017, the movie Hidden Figures was released by 20th Century Fox studios. This movie tells the story of three African-American women mathematicians and engineers (Katherine Johnson, Mary Jackson and Dorothy Vaughan) who would play a pivotal role towards the successful mission of John Glenn’s spacecraft orbit around the Earth and the NASA missions to the moon.

For this talk, we give a brief review of the space race going on at the time between the United States of America and the former Soviet Union. We will discuss the lives and contributions that NASA mathematician Katherine Johnson and the NASA engineers Mary Jackson and Dorothy Vaughan made to the space race. In particular, their work as concerns John Glenn’s orbit around the Earth in 1962 and to the moon missions. Also, we will talk about the experiences of being a mathematical consultant for this film.

For information please contact the Math Department at (734) 764-0335 or see lsa.umich.edu/math/seminars/mlk/