

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

Due to the sudden passing of Professor Rudy Horne Professor Talitha Washington,
Associate Professor, Howard University & Program Director, National Science Foundation will present this talk.

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. (This talk was designed and originally to be presented by Professor Rudy Horne, who passed away in December 2017. Professor Washington kindly agreed to present in his stead.)

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

The Colloquium honors Dr. Marjorie Lee Browne, the first African-American woman to earn a Ph.D. in Mathematics from the University of Michigan. It is supported by the Carroll V. Newsom fund.

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