

1145-AF-534      **Talitha M Washington\*** ([talitha.washington@howard.edu](mailto:talitha.washington@howard.edu)), Howard University, Washington, DC 20059. *Hidden Figures: The Mathematics of Katherine Johnson and Rudy Horne.*

What's the mathematics that Katharine Johnson used to send John Glenn into orbit and bring him back safely? Who was the mathematician that created the mathematics in the "Hidden Figures" Hollywood movie? Come and uncover the essential ideas created by Johnson during the Space Race and how the mathematical consultant, Dr. Rudy Horne, created the mathematics for the movie. We will also explore how other 'Hidden Figures' helped Johnson become a research mathematician in a racially segregated era. (Received September 09, 2018)