

Amy N. Langville
Mathematics

2011 William V. Moore Distinguished Teacher-Scholar Award



Amy Langville received her B.S. degree in Mathematics from Mt. St. Mary's University in Emmitsburg, Maryland in 1997. She continued her studies at N.C. State University in Raleigh, NC and received her Ph.D. in Operations Research in 2002. For the next three years for her postdoctoral experience, also at N.C. State, she studied the mathematical algorithms behind search engines. In 2005 Amy was excited to join the Mathematics Department at the College of Charleston, where she has since specialized in Calculus, Linear Algebra, and Operations Research classes. Her research is funded by the National Science Foundation and focuses on numerical algorithms and optimization methods for ranking and clustering items. Applications of her work include Google's PageRank algorithm for ranking webpages and Amazon's book and Netflix's movie recommendation systems. Amy won the College's Gordon E. Jones award for Distinguished Achievement in 2006 and the ExCEL Award for the School of Science and Math Outstanding Faculty Member of the Year in 2010. Such honors are "the icing on the cake" as Amy feels her students and colleagues and the College and community make her lucky to "have the best job in the world!"