



Dionne Cross Francis is an associate professor of mathematics education in the Department of Curriculum and Instruction at Indiana University and the Director of the Center for P-16 Research and Collaboration. She has a BA in Mathematics from the University of the West Indies, Jamaica and a PhD in Educational Psychology from the University of Georgia. Her research interests include investigating the relationships among psychological constructs such as beliefs, identity and emotions and how the interplay between these constructs influence teachers' instructional decision-making prior to and during the act of teaching (mathematics).

Understanding the teacher-specific factors that motivate teacher actions as they plan and instruct is optimal for designing professional development that will lead to meaningful change. Additionally, she can designed and implemented curricula to promote equitable mathematics instruction. Results of this work have informed the design and implementation of teacher professional development initiatives nationally (Indiana, Georgia) and internationally (Jamaica), and have secured several million dollars in both state and federal funding. She has presented her work at numerous local, national and international conferences and has published widely in top journals in the field, such as *Journal of Mathematics Teacher Education*, *Teacher College Record*, *Educational Studies in Mathematics* and *Teaching and Teacher Education*.

In her role as Director of the Center for P-16 Research and Collaboration she serves as principal investigator on several grants focused on career readiness for first generation, underrepresented students and improving instructional quality within Indian schools. She is also focused on building partnerships with a range of organizations to expand educational opportunities for Indiana citizens that will meet the needs of Indiana's expanding workforce.