

# SE&T Colloquium Series-Winter 2019

Speaker	Ms. Bianka Wang Research Student of Mathematical Sciences Advisor: Dr. Hasan Al-Halees
Title	<i>Into the Power Functions</i>
Abstract	The functions $x^n$ and $x^{1/n}$ , for $n \geq 2$ , $n \in \mathbb{N}$ , are one-to-one whose graphs are symmetric with respect to the line $y = x$ and intersect each other at the points $(0,0)$ and $(1,1)$ in the plane. We explored three properties that the two curves are sharing: areas between the two curves that turn to be polynomials of specific zeros, figures, associated with centroids between and off the two curves, that are nicely related to each other, and the unique vertical line between the curves that intersects two parallel lines which are tangent to the two curves.
Date	Tuesday, April 9
Time	4:10-5:00pm
Place	Pioneer 240
	Refreshments will be served at 4:00pm.