Bi-State Math Colloquium

Who: Leonida Ljumanovic
When: Thursday, October 26, 4:00 pm
Where: Ottensman 122, UW-Platteville

Cantor's Set Theory

In the first part of the talk, we will briefly go over a history of set theory and discuss Georg Cantor's contributions to set theory. Furthermore, we will define natural numbers in terms of sets, and use properties of sets and induction to prove some of the properties of natural numbers.

Moreover, we will talk about the different infinite sizes that sets may have. In particular, we will discuss the Continuum Hypothesis, which states that there are no infinite sizes between that of the natural numbers and that of the real numbers.

Leonida Ljumanovic is an Associate Professor of Mathematics at UW-Platteville. She graduated from the University of Iowa in 2008, under the direction of Dr. George Nelson, whose dissertation was in set theory.