

**Title:** Measures of  $p$ -adic Julia Sets

**Abstract:**

For a fixed prime  $p$ , the set of  $p$ -adic numbers  $\mathbb{Q}_p$  is contained in an algebraically closed field  $\mathbb{C}_p$ . In this talk, I will elaborate on these definitions and discuss the definition of the Julia set of a rational map on  $\mathbb{C}_p$ . I will give some examples of Julia sets and examine their dynamics and measures.