

CCSU  
DEPARTMENT OF MATHEMATICAL SCIENCES  
VIRTUAL COLLOQUIUM

Friday, April 9  
3:00 – 4:00 PM

<https://ccsu.webex.com/meet/gotchev>

**SHORT GEODESICS  
IN RIEMANN SURFACES**

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**Abstract:** We will start by introducing Riemann surfaces and explain why short geodesic to be explored in more depth. What are Riemann surfaces and why have they been active research topic for over 150 year? We will start by defining Riemann surfaces and introducing some of their basic properties. Our point of view will be mainly geometric, and we will be concentrating mainly on curves on surfaces. There are many interesting results and open questions regarding short geodesics on Reimann surfaces, we will survey few of them. And at the end, we will discuss our ongoing joint project with P. Buser and B. Mutzel, investigating short geodesics on Hyperelliptic Reimann surfaces.

**For further information:**

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