



Speaker: Hugo Parlier, Université du Luxembourg.

Title: Where the orthogeodesic roam.

Abstract: The lengths of geodesics on hyperbolic surfaces satisfy intriguing equations, known as identities, relating these lengths to geometric quantities of the surface. The talk will be about a family of identities that relate lengths of closed geodesics and orthogeodesics to boundary lengths. This family includes identities due to Basmajian, McShane, Mirzakhani and Tan-Wong-Zhang as particular cases.