1145-57-768 **Christian R Millichap*** (christian.millichap@gmail.com), **Jeffrey Meyer** and **Rolland Trapp**. *Arithmeticity of Fully Augmented Links.*

Fully augmented links (FALs) are a large class of links whose complements admit hyperbolic structures that can be explicitly described in terms of combinatorial information coming from their respective link diagrams. In this talk, we will briefly describe how to build these hyperbolic structures and then discuss recent progress made towards classifying which FALs are arithmetic. Both geometric and number theoretic tools will come into play for this classification problem. (Received September 14, 2018)