Matroid ideals, divisors and orientations on graphs.

I will talk about ideals arising in the theory of divisors, orientations, matroids on graphs and several related topics. I mention various results related to the theory of chip-firing games on (directed) graphs. Some part of the talk is based on recent joint works with Farbod Shokrieh, and the other part is an ongoing project. I won't assume any prior knowledge in advanced commutative algebra, or algebraic geometry.