April 15: Carl Mautner (UC Riverside) *Shadows of Lie theory in the world of matroids*

I will discuss a program (partly conjectural) exploring analogues of the Schur algebra and category $\mathcal{O}$ for matroids and oriented matroids. This program was motivated in large part by work of Braden-Licata-Proudfoot-Webster. The talk will be based on joint work with Tom Braden and work in progress with Jens Eberhardt and Ethan Kowalenko. I will not assume prior knowledge of matroids.