## Horizontal convex envelope in the Heisenberg group

Xiaodan Zhou

This talk is devoted to the notion of horizontal convex envelopes of continuous functions in the Heisenberg group. We discuss several equivalent definitions of the horizontal convex envelope and show its supersolution preserving and differentiable property. This is joint work with Qing Liu.

X. Zhou, WORCESTER POLYTECHNIC INSTITUTE, WORCESTER, USA *E-mail addressi*: xzhou3@wpi.edu