An Introduction to delta-hyperbolic spaces $Ali~G\ddot{o}kt\ddot{u}rk$

Delta-hyperbolic spaces play an important role in course geometry and geometric group theory. In this talk, I'll introduce Gromov-hyperbolic (delta-hyperbolic) spaces, give important examples, prove the stability of quasi-geodesics theorem, and if time permits, define Gromov boundaries of hyperbolic spaces.