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Parin Chaipunya* (parin.cha@kmutt.ac.th), 126 Pracha Uthit Rd., Bang Mod, Thung Khru, Bangkok, 10140, Thailand. *On the conditioning of equilibrium problems under nonpositive curvatures.*

One of the most common condition used in the theory of equilibrium problems in linear spaces is the convexity/concavity of the equilibrium bifunction in question. When the underlying space is equipped with the geometry of nonpositive curvature, it turns out that the traditional convexity/concavity condition prevents the equilibrium problems to naturally generalize to variational inequalities. In this talk, we replace such convexity/concavity condition allows the equilibrium problems to generalize to variational inequalities and allows the use of the famous proximal methods. (Received August 04, 2020)