Monica Gabriela Cojocaru\* (mcojocar@uoguelph.ca), Dept. Mathematics & Statistics, 50 Stone Road East, Guelph, Ontario N1G 2W1, Canada. *Hybrid systems for variational inequalities.*We relate variational inequalities, noncooperative games and hybrid dynamical systems so as to describe the disequilibrium evolution of an equilibrium problem (e.g. a dynamic network equilibrium problem or a dynamic game). We use a hybrid system with a switch & jump mechanism between continuous dynamic states given by a differential equation. The hybrid system also provides a way to analyze stability issues of hybrid solutions w.r.t. the problem's equilibrium states. (Received September 22, 2010)