

Title: Some conditions for maximal monotonicity of bifunctions

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Abstract of Lecture:

Based on a recent characterization of maximal monotone operators, necessary and sufficient conditions for a monotone bifunction to be maximal in the pointwise sense will be presented. These conditions state the existence of solutions to equilibrium problems obtained by perturbing the given bifunction in a suitable way. *This talk is based on joint work with N. Hadjisavvas and J.E. Martínez-Legaz.*

Keywords: monotone operators, bifunctions, maximal monotonicity.

References:

1. Martínez-Legaz, J.E., *Some generalizations of Rockafellar's Sujerctivity theorem*, Pacific Journal of Optimization, Vol. 4. No 3, pp. 527-535, 2008.
2. Hadjisavvas, N and Khatibzadeh, H., *Maximal monotonicity of bifunctions*, Optimization, V.59, Issue 2, pp. 147-160, 2010.