

**ON THE LOWER SEMICONTINUITY OF THE FEASIBLE SET  
MAPPING IN OPTIMIZATION**

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This talk presents new results on the lower semicontinuity of the feasible set mapping corresponding to optimization problems posed in locally convex Hausdorff topological vector spaces. We consider a constraint set (possibly the whole decision space) and an arbitrary number of (possibly nonconvex) functional constraints, and assume that all these data can be perturbed. The talk is based on the paper : N. Dinh, M.A. Goberna, and M.A. López, On the stability of the feasible set in optimization problems, SIAM J. Optim., to appear.