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**HICHEM BEN-EL-MECHAIEKH**, Brock University, Ontario, Canada

*Systems of Nonlinear Inequalities Without Convexity: A Topological Fixed Point Approach*

The talk discusses the solvability of systems of constrained nonlinear inequalities without convexity, including generalized variational inequalities. The main tools consist of new fixed point results for set-valued maps with non-convex values defined on special classes of neighborhood retracts of interest in optimization.