

# On Variational-Like Inequalities and Global Minimization Problem

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## 1. ABSTRACT

In this talk, we deal with a real linear space  $E$ , a set  $X$  in  $E$ , and a real function  $f$ , defined on  $X$ . We derive necessary and sufficient conditions such that each two of the set of global minimizer of  $f$  over  $X$ , the solution set of Minty variational-like inequality over  $X$ , and the solution set of Stampacchia variational-like inequality over  $X$  coincide.