Title of the talk: A System of Set-valued Variational Inclusions with H-Monotone Operators

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Abstract: The purpose of this paper is to introduce and study a new system of set-valued variational inclusions with H-monotone operators in Hilbert spaces. By using the resolvent operator method associated with H-monotone operator due to Fang and Huang, we construct some iterative algorithms for solving this kind of system of set-valued variational inclusions. We also prove some existence results of solutions for the system of variational inclusions and convergence results of iterative sequences generated by algorithms.