**ABSTRACT**

In this paper, we discuss a kind of impulsive second-order stochastic evolution systems with state-dependent delay in a real [separable Hilbert space](https://www.sciencedirect.com/topics/mathematics/separable-hilbert-space). The results concerning the existence and controllability of mild solutions have been addressed. By means of the fixed point techniques, some sufficient conditions are formulated, as well as an application involving [partial differential equation](https://www.sciencedirect.com/topics/mathematics/partial-differential-equation) with impulses is presented.