

# B-evolution operators and its application for Partial differential equations on manifolds

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In this talk we will give a brief introduction on B-evolution operators and their relation with semigroup of Operators. For illustration we will consider two mathematical problems: One arising in heat transfer problem in nuclear reactor and the other one in Structural vibration. The above problems will be written in an abstract setting, in other terms will be written as an ordinary differential equation in infinite dimensional space.