Quantifying uncertainties due to stochastic processes

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Education

Ph.D. (2001), University of Manitoba, Winnipeg, MB Canada B.Sc. (1993), University of Sarajevo, Bosnia and Herzegovina **working experience**

 2001-2005: Joseph Ford Postdoctoral Fellowship, Georgia Institute of Technology.
2006-2007: Postdoctoral research fellow, University of California at Santa Babara.

3. 2008-current: Research Scientist, United Technology Research Center

Abstract : One area of engineering where uncertainty quantification and mitigation is not only desired, but actually necessary is energy efficient building retrofit design. Buildings are complex systems with large number of parameters that are often not properly measured and recorded (e.g. equipment efficiencies) or that have inherently large uncertainties associated with them (e.g. occupancy patterns). In this talk we discuss mathematical methods and technical challenges involved with UQ for retrofit design.

The talk will run at **4pm** on **April 25(Friday)**, in **the Auditorium on the third floor of the Physics Building** of Tsinghua University.