

# GRADUATE SEMINAR

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## Crack Distribution

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**21 November, Wednesday**

3.30 PM

Math and Stat Lounge CW 307.20

**Abstract:** The crack lifetime distribution is a three parameter distribution formed by adding the weighted parameter and combining the two parameter Inverse Gaussian distribution and two parameter Length Biased Inverse Gaussian distribution. This distribution explains the phenomena of the crack development in Physics and Engineering and has many practical applications.

In this presentation, I will talk about the importance of the Crack distribution and provide a method to generate the crack random numbers. I will also be proving that the discussed method is consistent with the hypothesized distribution.