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# Joint Statistics Seminar

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*The Hong Kong University of Science and Technology*

## Confidence Regions for The Ratio Of Two Percentiles

by

**Professor Richard Johnson**

University of Wisconsin-Madison

**Date: March 30, 2007 (Friday)**

**Time: 4:00 p.m. - 5:00 p.m.**

**Venue: Room 3315 (Lift 17 & 18)**

### Abstract

Wood engineers use the ratio of the fifth or other lower percentiles when comparing lumber of two different grades, moisture content, or sorted under two different grading systems. Motivated by this application, we develop some exact, and some approximate, confidence regions for the ratio of percentiles from two different populations. This work generalizes earlier work on inferences concerning the ratio of two means.

❖ **All interested are welcome!** ❖

*For details, please contact ISMT Department.*