



## Questioned Documents Section – 2010

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### **J25 Statistical Study on the Changing Range of Hangul Signatures**

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After attending this presentation, attendees will be familiar with Hangul signatures and various ways to exam them.

This presentation will impact the forensic science community by demonstrating the range of variation present in Hangul signatures.

The purpose of this study was to confirm the range of variation present in Hangul signatures. Ten persons' handwriting were measured the height-width ratio of whole signature, the space ratio of each character, the height-width ratio of each character by CAD (Computer Aided Design) software. These measurements were intended to verify how each signature changes over time and how signatures are different from each other and other writers, reflecting inter and intra writing variations. The results suggest that a signature has individual characteristics; however, the individual characteristics that will be change over time in their signature are not always the same.

**Hangul Signature, Hangul Handwriting Identification, Changing Range of Hangul Signature**