



## Department of Forensic and Investigative Science

Keith Morris and Veronica Franklin are conducting a study on the accuracy and reproducibility of firearm examiners in identifying specific markings on firearm evidence, specifically on fired cartridge cases. This study will use images from the 3D topography of cartridge cases and a graphical user interface developed in our lab. We are looking for current qualified firearm examiners and trainees to participate.

### **Why is this research being done and what is involved?**

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- Subclass characteristics may be confused for individual characteristics and if present, increases the possibility of a false identification being concluded.
- You will be asked to mark images of fired cartridge cases for class, subclass, and individual characteristics.
- Practicing firearms examiners have determined the cartridge cases being used are suitable for this study.
- It is expected to take approximately 4 hours to complete the entire study. However, it can be completed in parts over a number of days if preferred.

For more information or if you are interested in participating, please see Keith Morris or Veronica Franklin at the conference, or send an email to [vh0010@mix.wvu.edu](mailto:vh0010@mix.wvu.edu). Thank you!

*WVU IRB acknowledgement is on file.*

