Biometric Information Services (Individuals can reach out to the subcommittee chair, Bethany Retton, at blretton@fbi.gov for more information):

- Instances where interoperability between ABIS systems in different jurisdictions were used to help solve a case
- Lessons learned from your agency's recent ABIS procurement process
- Tips and tricks your agency deploys to get the most out of your ABIS
- How your agency entered into an interoperability agreement with another agency and the benefits of that agreement

Bloodstain Pattern Analysis:

- BPA scientific research and studies
- Interesting BPA casework

Crime Scene Investigation:

- The CSI Effect
- Mental Health/Vicarious Trauma
- Officer Involved Shootings
- Mass Fatality Management/Scene Response
- Clandestine Graves
- Testimony
- Increased sensitivity of DNA technologies, enhancing PPE/cleaning methods for collection
- Collection & preservation of various types of DNA evidence on scene
- Case Studies of new technologies, solved cold cases, interesting scenes

Digital & Multimedia Evidence:

- Computer Forensics
 - o Examining novel devices, including IOT, cars, drones
 - AI Detection/ Artifacts left by AI
 - Cell site information
 - Defeating encryption
 - Cell phone examination
 - o Co-processing electronic evidence with additional disciplines (latents, DNA)
 - Examination of "destroyed" electronic evidence
 - Case Studies and/or research

• Multimedia evidence

- o Audio/Video enhancement techniques
- Large scale multimedia review
- DVR recovery, or recovery from novel devices
- Learning the ins and outs of tools, including: FFMPEG, Various Enhancement Tools (Adobe CC, Amped, VF Pro)
- Advanced analysis of multimedia, including Photogrammetry (Various Techniques), Comparative Analysis, Authentication
- AI Detection tools and techniques
- Case Studies and/or research

Facial Identification:

- Presentation of real cases
- How to deal with low quality imagery
- How to manage a team of forensic facial examiners
- How to ensure continual learning and development of forensic examiners
- How to actively use the results from proficiency testing
- The integration of a human-in-the-loop with the use of facial recognition systems
- Workshop on how to digitally improve facial images (e.g. in Photoshop)
- Presentation on the impact of Facial Recognition Technology on the Law Enforcement Community
- Presentations on on-going facial examination research
- Presentation on facial recognition and identification as it applies to courts of law
- Update on on-going efforts at the states and federal level to support (or challenge) use of FRT
- Update on standards that have been published or are in development

Latent Print Development:

- advanced processing techniques
- most successful processing methods for cartridge cases
- new processing techniques (such as liquid latex for arson evidence)
- research findings on any new processing techniques

Latent Print Identification:

- "research based" lectures
- backlog reduction lectures
- latent analysis lectures
- conflict resolution lectures

Professional Development:

- "increasing productivity" with diminished resources
- leadership topics
- collaboration, creativity, innovation
- "Leading from where you are" how to effectively work on a team, informal leadership roles, resources, etc.

Forensic Photography and Electronic Imaging:

- alternate light source (ALS)/crime scene/evidentiary imaging
- post-processing techniques
- injury and macro photography
- High Dynamic Range (HDR) imaging
- advanced lighting techniques
- panoramic imaging
- photogrammetry
- case studies
- research

General Forensics:

• firearms and toolmark related topics

Tenprint Identification:

- Tenprint certification preparation
- Pattern interpretation/classification
- Comparison techniques