Advanced Topics in BWC Technology

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Examples of Advanced Topics

- Video Analytics
  - i.e., Object Recognition, Artificial Intelligence (AI), Transcription, Natural Language Processing (NLP), Facial Recognition (FR), Automated License Plate Reader (ALPR), Reporting Assistance, Statistical Analysis
- New BWC Features
  - i.e., GPS, LTE/5G, Live Streaming, Officer Down, Shot Detection, CAD/RMS Links, etc
- Digital Evidence Integration
  - Compiling digital evidence across multiple sources for a unified view
- Redaction
- Digital Ethics
- Legal Compliance

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Major (Ret.) Fairfax County Police Dept.

Cyber & Forensics Bureau Commander

What is NLP?

A Tool to Enhance Police Accountability?

- Most BWC footage is never reviewed
- Ongoing analysis instead of only after negative outcomes have already occurred

A Tool to Efficiently Process Evidence?

- Removes burden of tagging & "marking" videos
- Automated transcription
- Automated discovery compliance

An Investigative Tool?

- Rapidly review initial statements & utterances
- Automated report writing & review

A Tool Not Without Concerns?

- Ability to spot key words – nicknames, slang, etc.
- Voice matching against jail databases

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ADVANCED VIDEO ANALYTICS

Policy & Ethical Considerations

AI-enhanced Searchability

Universal Integration

Sentiment Analysis

Biometric Identification
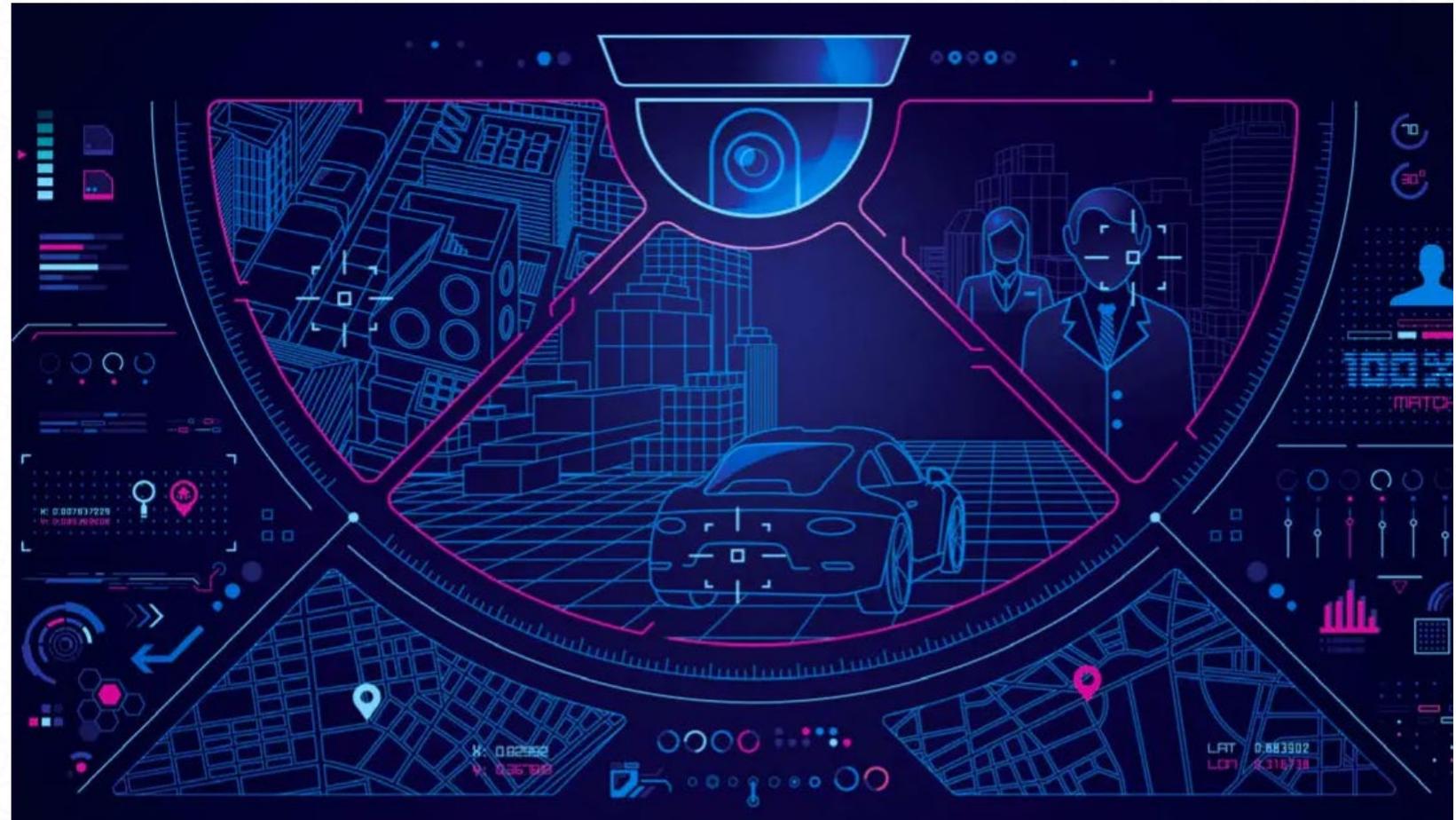
ENSURING ETHICAL USE OF NEW TECHNOLOGIES

Defined, Legitimate Purpose

Policies, With Boundaries

Community Engagement

Balance

CURRENT POLICY & LEGISLATIVE THEMES

AI Restrictions

FR Bans

Reform

Funding
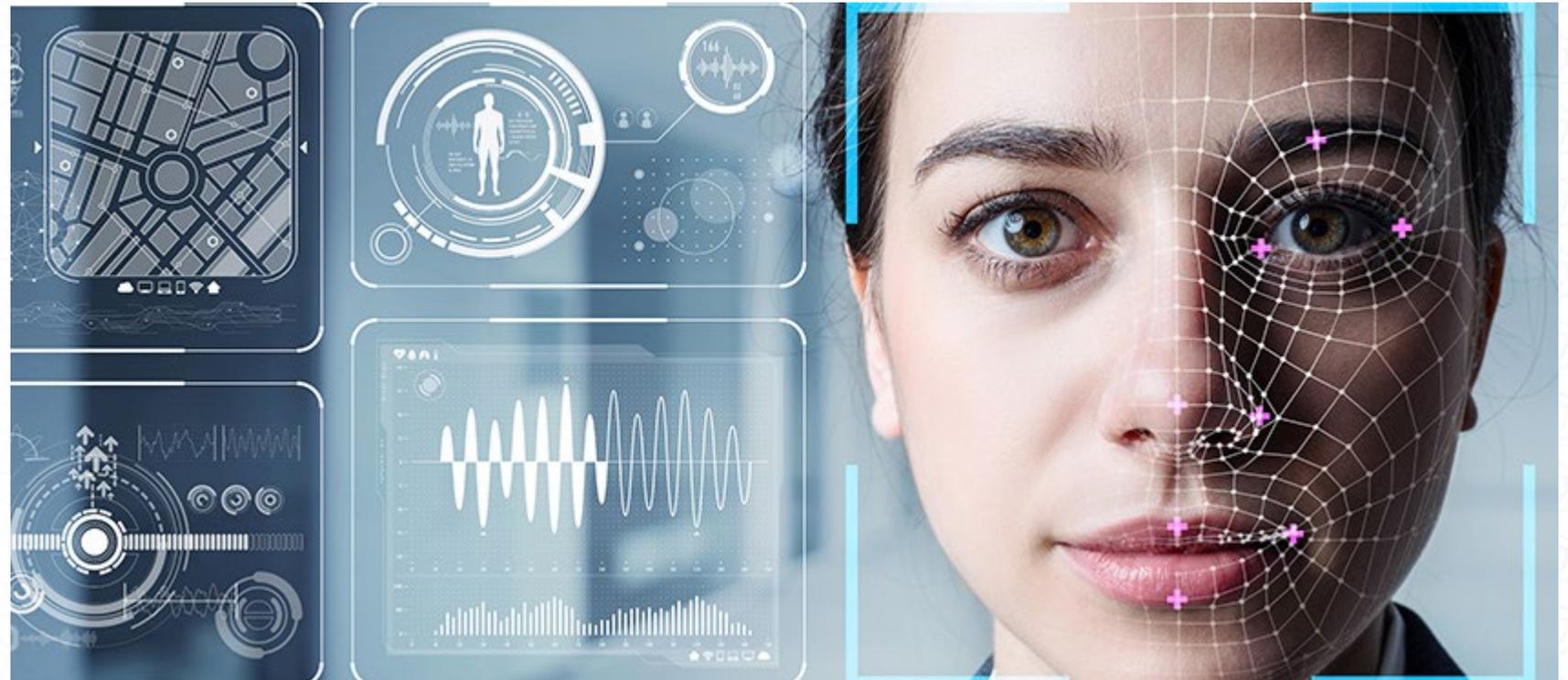
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Panel Discussion and Q&A