



# Multi-Layered Video Authentication for Treaty Inspection Regimes



## Project Goal:

**Developing new hardware and software methods for video stream authentication for applications in treaty verification.**

## Technical Approach:

**Applying techniques from the fields of cryptography, image processing, steganography, and tamper indicating materials, we will insert authentication data into the video stream of a remote camera system in real time, creating a trusted monitoring system.**

## Anticipated Results:

**Providing a new capability for remote monitoring of treaty declarations for future potential arms control treaties, reducing the costs and resources of in-person inspections. Technology transfer through partnership with Prometheus Security Group.**

**Poster #1N**

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