

# IMPROVING SOC EFFICIENCY THROUGH ANTHROPOLOGY:

A security operation center (SOC) is a workplace where security analysts work to handle the various types of tasks/events related to the security status of an organization's information technology infrastructure.

## ● Core Problems

- Low efficiency of SOC operation, lack of transparency into incident handling processes
- Shortage of workforce and lack of systematic training for SOC analysts, made worse by the high turn-over and stressful working conditions
- Commercially available tools not addressing operational needs

## ● Goals of Research

- Make the "tribal knowledge" of SOCs explicit and shareable, by embedding researchers with SOC analysts.
- Use fieldwork to discover workflow – fieldworkers co-build tools with SOC staff to improve its efficiency.
- Compare recurrent patterns across multiple SOCs to separate intrinsic from incidental problems
- A training manual for organizations that employ SOC personnel in corporate, academia, and governmental agencies.

## ● The Research Team Provides

- Training for individuals in the host organization on fieldwork methods, OR Interns trained in security and anthropology to conduct fieldwork

## ● Collaborators Provide

- Appropriate access for intern(s) or fieldworker(s) to SOC and SOC staff
- Workflow and role descriptions
- (Optional) financial support for the fieldworker

## ● Benefits for Collaborators

- Third-party perspectives on SOC effectiveness
- Tools fieldworkers build together with analysts specifically for the collaborating SOC
- Framing and prioritization of issues to be addressed in the training manual as well as early access to learning
- Opportunity to seek joint funding for further research

If interested, please contact [soc-collaboration@arguslab.org](mailto:soc-collaboration@arguslab.org)



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