# CAREER: Empowering White-box Driven Analytics to Detect Al-synthesized Deceptive Content

### **Challenge:**

- Content can be easily falsified by artificial intelligence (AI) synthesis techniques.
- New, scalable detection algorithms must be developed.

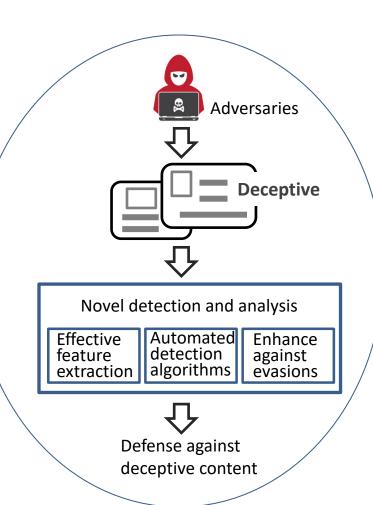
#### **Solution:**

- Systematic analysis of Al synthesis patterns.
- Effective detection approaches that operate at scale.
- Enhancement against adversarial evasions.

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## **Scientific Impact:**

- New insights and findings to guide future research and counter emerging deception threats
- Intelligent and automated techniques o advance the detection of Al-synthesized deceptive content

# Broader Impact and Broader Participation:

- Reinforce user trust in online content.
- Facilitate network operators to mitigate deception.
- Foster cybersecurity education with research and curriculum development.