TWC: Medium: Collaborative: Developer Crowdsourcing: Capturing, Understanding, and Addressing Security-related Blind Spots in APIs

Challenge:

- Identify blind spots developers face when using software APIs that lead to software vulnerabilities, and develop methods to inform developers about blind spots during development

Solution:

- Identify common errors
- Identify API blind spots causing those errors
- Develop method for informing developers of relevant information during key development decisions

Scientific Impact:

- Improve software quality and security
- Make high-quality software development more reliable and easier

Broader Impact:

- High-quality software impacts many aspects of society
- Integrating into popular APIs will make technology usable by public
- Evaluation and transfer to tech companies will facilitate adoption.