# EAGER: Integrating Cognitive and Computer Science to Improve Cyber Security

Challenge:

- Limited understanding of personality, behavioral, and cognitive factors in cyber security

Solution:

- Dot probe method
- Simulations to create realistic cyber scenarios
- Self report assessment for validation

SPICE - Software Package for Investigating Computer Experiences
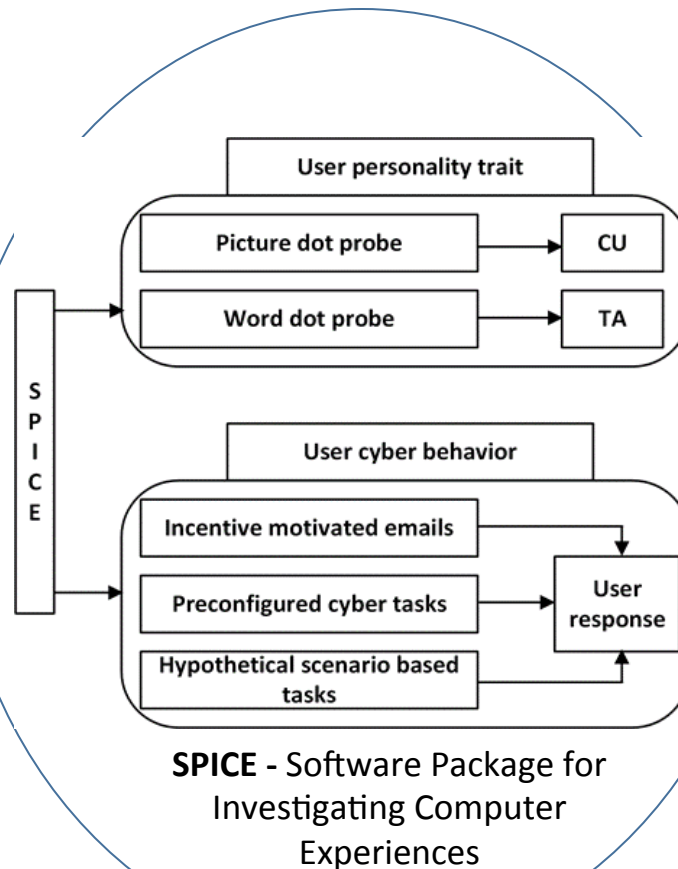
Scientific Impact:

- Enable the development of more sophisticated mechanisms for improving cyber security postures
- Allows collection of important data to improve user interfaces and alerting mechanisms

Broader Impact:

- Help in protecting users from cyber attacks and protecting organizations from the impacts of insider attacks