

INFORMATION SECURITY RESEARCH PROGRAM JUDITH COLLINS

- APPLIED RESEARCH
- CRIME IN THE WORKPLACE
- PARTNERS: CORPORATIONS &
SMALL BUSINESSES

INFORMATION SECURITY RESEARCH PROGRAM

- INTERNET CRIME
 - IDENTITY THEFT
 - CREDIT CARD FRAUD
 - HEALTH CARE FRAUD
 - CYBERSTALKING
 - WEB SCAMS

INFORMATION SECURITY RESEARCH PROGRAM

- FOOTPRINTING: TRACKING CRIMINALS ONLINE
 - SYSTEMATIC PROCEDURE
 - IDENTITY THEFT
 - CREDIT CARD FRAUD
 - HOMICIDE
 - KIDNAPPING
 - » COMPUTER SYSTEM
 - » DATABASE
 - » PERPETRATORS
 - » VICTIMS

METHODS: RISK ASSESSMENTS

- FOUR FACTOR MODEL OF INFORMATION SECURITY – BUSINESSES
 - PEOPLE
 - PROCESSES (INFORMATION)
 - PROPRIETARY INFORMATION
 - PROPERTY: EMPLOYEE PCS
- E-COMMERCE WEBSITES

METHODS:

- VALIDATED PSYCHOLOGICAL INSTRUMENTS
- INTERVIEWS
 - FOCUS GROUP
- CURRENT DATABASES

METHODS: META ANALYSIS

- WWW
- MANIFEST CONTENT
- RANDOM SELECTION WITH
VERIFICATION
- MULTI-CATEGORICAL
- INTERRATER RELIABILITY

METHODS

- LONGITUDINAL
 - PRE-POST MEASUREMENT
 - EX. ID THEFT PRE/POST
- CROSS-SECTIONAL
 - EX. PERPETRATOR PROFILES (META ANALYSIS)

INFORMATION SECURITY STATISTICAL ANALYSIS

- PATTERN ANALYSIS
 - PERP PROFILES-BEHAVIORAL
- TRENDS AND FORECASTING
- PREDICTION MODELING
- SOCIAL NETWORK ANALYSIS
 - IDENTITY THEFT NETWORKS
 - TERRORIST CELLS

POSSIBLE CYBER PARTNERS

- CSE
 - COMPUTERIZED META ANALYSIS
 - FOOTPRINTING: IN PROGRESS
 - PREDICTION ALGORITHM / DATABASE
 - INTEGRATED SYSTEM FOR CRIME RESEARCH
- COMMUNICATIONS
 - WEBSITE RISK ASSESSMENTS
- ELI BROAD
 - BUSINESS INFORMATION SECURITY
 - FOUR-FACTOR MODEL