# Intelligence and Security Research Center

# (ISRC)

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Director

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# ISRC Rationale

- Center leadership and advisors have significant intelligence and national security experience
  - Clearances; access to real community problems
  - Ability to translate and interpret IC problems for Mason, researchers, educators
  - Ability to consult individually with government sponsors

- ISRC formed and chartered to
  - coordinate university approaches to complex national security problems
  - create new, and enhance existing, collaborations and multi-disciplinary opportunities

# ISRC Structure

- **Recognized University Research Center**
  - Element of Volgenau School of Information Technology and Engineering
    - Associated with Department of Applied Information Technology
      - ➢ **Origins in Document Forensics Laboratory**
- **Center Leadership and Advisors**
  - Very senior former military and intelligence officials
- **Center participants**
  - Faculty, post-doctoral fellows, graduate students
  - University-wide
    - Engineering, Science, Liberal Arts
    - Other independent centers
- **Operating Model**
  - Teaming with prime contractors
  - Direct government contracts

# ISRC Research Assets

- **Center for Secure Information Systems**
  - Network Attack Analysis; system vulnerability analysis
- **Department of Geography and Geoinformation**
  - Geospatial Intelligence Systems; Human terrain
- **C4I Center**
  - Battle Management Language; JIEDDO; Decision Support Systems
- **Document Forensics Laboratory**
  - Advanced mathematics and statistics; document analysis
- **Learning Agents Center**
  - Science of Evidence; Analytic Tradecraft
- **Electrical and Computer Engineering**
  - Telecommunications; wireless systems architecture/exploitation
- **Computer Science**
  - Exploitation of large databases; data mining; pattern recognition
- **Classical and Modern Languages**
  - Translation; cultural studies
- **Other organizations and individuals as required**

# ISRC Activities

- **Ongoing efforts**
  - FBI – Statistics for Fingerprints
  - IC Agency – Document Forensics
  - NIJ – Statistical Evidence
- **Pursuits in collaboration with industry (company not listed)**
  - In work
    - IC Agency - Forensics
    - DOD – Language and contextual analysis
    - NGA – IT Systems, Geospatial
    - IC Agency – High Performance Computing, R&D Support
    - USMC – Cultural analysis, system development
    - USMC – Scientific and engineering support
- **Pursuits directly with government**
  - In discussion
    - NRO – Ground systems, virtualization, Security accreditation
- **Pursuits with other universities**
  - In discussion
    - Nuclear Forensics