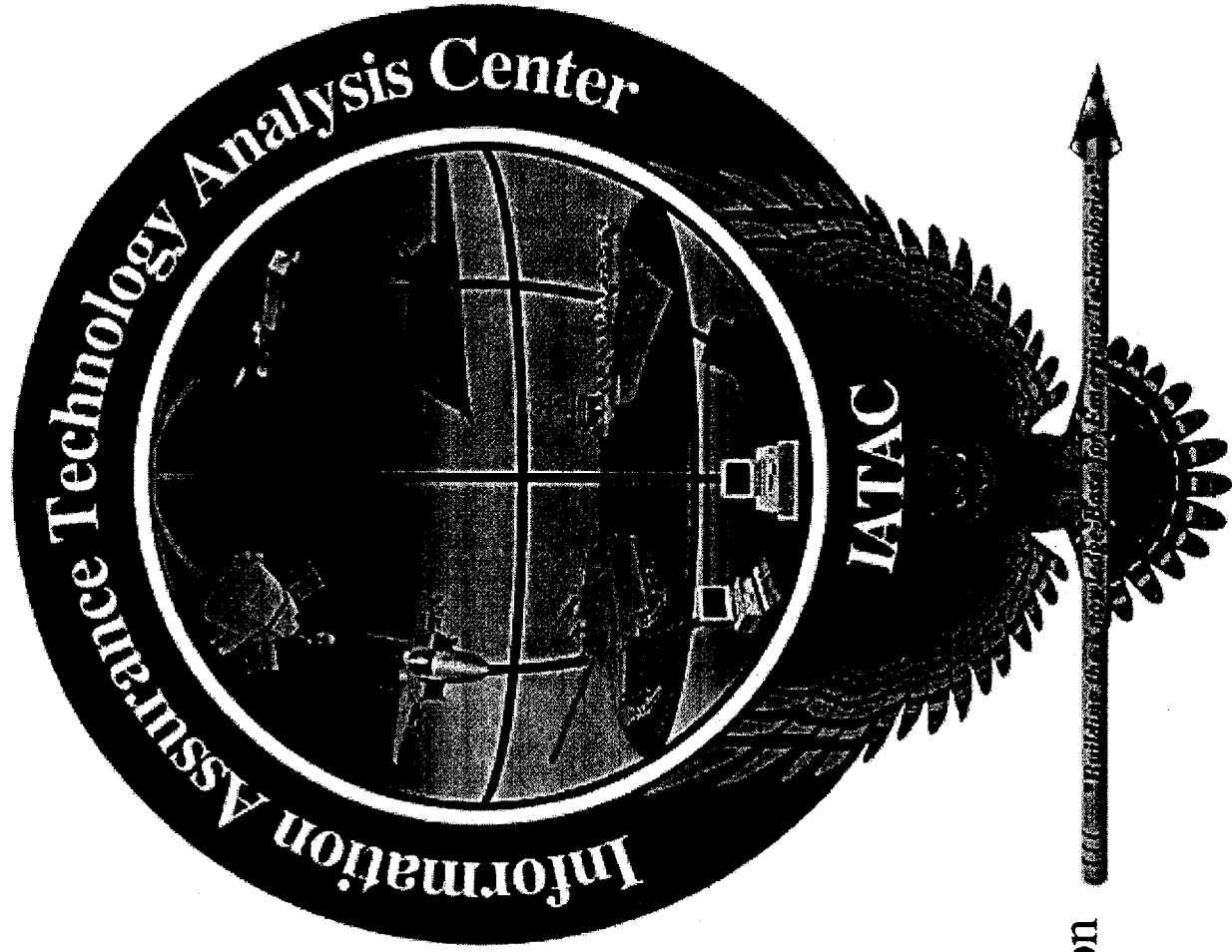


**IATAC:**  
*Building the  
Knowledge-Base  
for Emerging IA  
Technologies*

*presented by*

**Dr. John I. Alger**  
IATAC Director

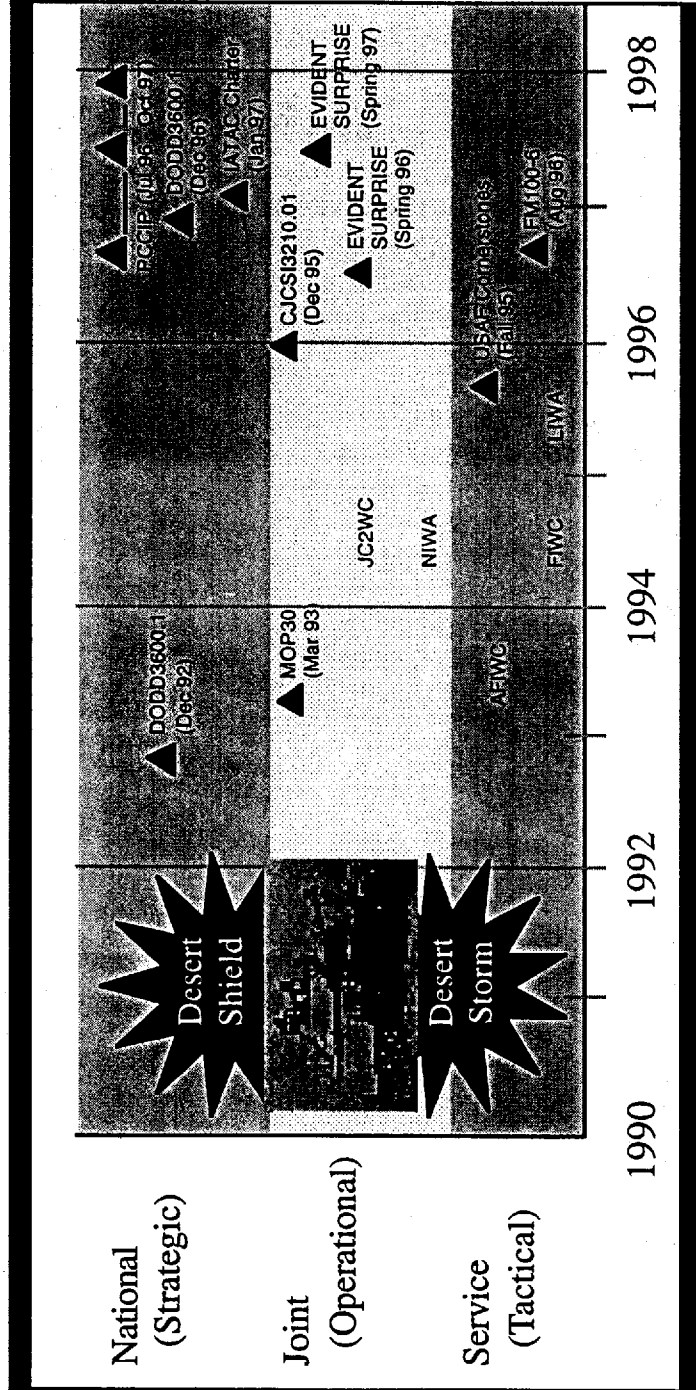
**September 4, 1997**  
National Military Intelligence Association  
Symposium on Information Warfare  
**Arlington, VA**

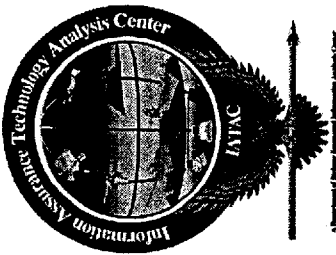


A Department of Defense Sponsored Information Analysis Center

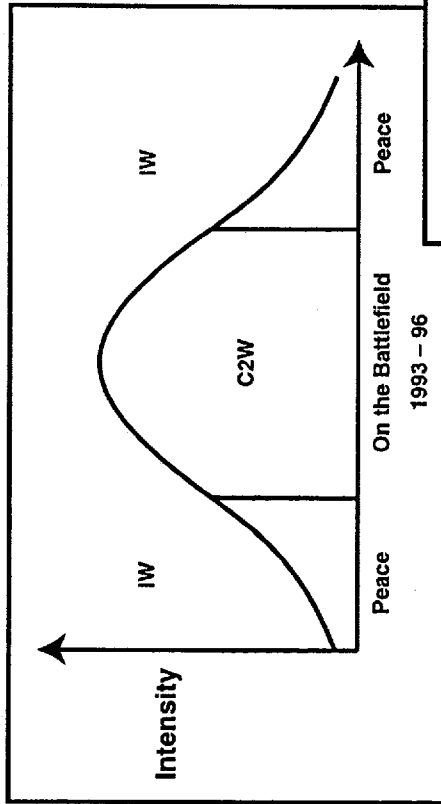


# The Origins of Information Assurance

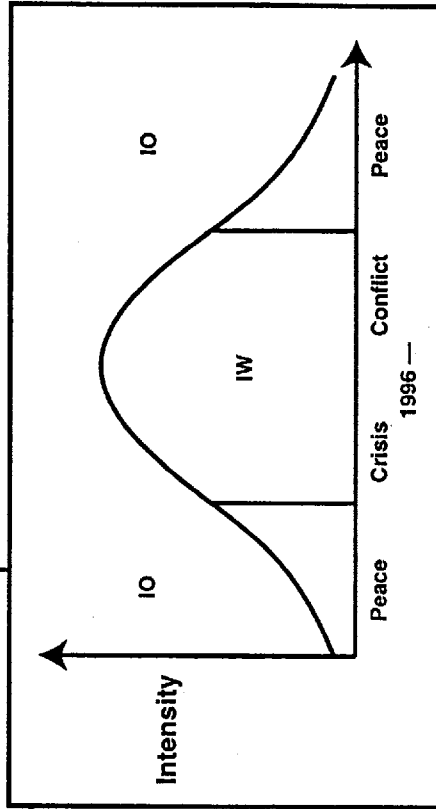




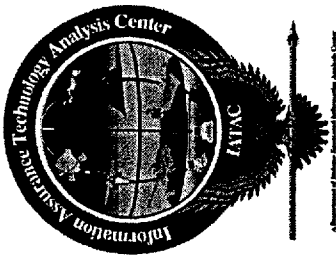
# Changing Relationships



**THEN**



**NOW**

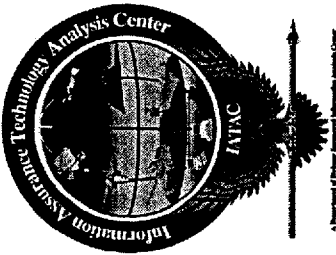


# Today's Definitions

From Department of Defense Directive 3600.1, Information Operations, 9 Dec 96:

- **Information Operations** — Actions taken to affect adversary information and information systems while defending one's own information and information systems.
- **Information Warfare** — Information operations conducted during time of crisis or conflict.
- **Information Assurance** — Information operations that protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality, and non-repudiation.





# IO: A Multi-Dimensional Concept

ALLIES -- FRIENDS -- POTENTIAL ADVERSARIES -- ADVERSARIES -- ENEMIES

LOCAL GOVERNMENT -- NATIONAL GOVERNMENT -- INTERNATIONAL

PROTECTION -- DETECTION -- REACTION

FREE INFORMATION -- OPEN SOURCES -- PROTECTED -- PROPRIETARY

MACHINE DRIVEN -- HUMAN DRIVEN

SPACE -- AIR -- LAND -- SUBSURFACE

OFFENSIVE -- DEFENSIVE

HI-TECH -- LO-TECH

THE ELECTROMAGNETIC SPECTRUM

AIR FORCES -- LAND FORCES -- NAVAL FORCES

Power Projection

PILLAR PRIMACY -- INTEGRATION

Crackers

Hackers

AWARENESS -- EXPERTISE

HARD SCIENCES -- SOFT SCIENCES

J2 -- J3 -- J5 -- J6 -- J8

OLD -- REPACKAGED -- NEW

PROTECT -- CONTAIN -- RESTORE

INTEROPERABILITY -- OPEN SYSTEMS -- VULNERABILITY

INTELLIGENCE GAIN -- INTELLIGENCE LOSS

Peace OOTW War

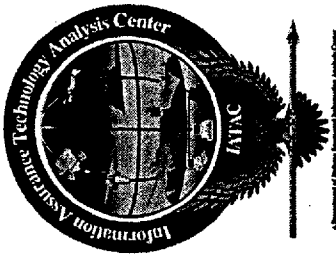


DECEPTION -- OPSEC -- KNOWLEDGE-SHARING

NATION STATE -- TRANSNATIONAL -- ROGUE

COMPARTMENTED -- CLASSIFIED -- UNCLASSIFIED

INDIVIDUAL -- CORPORATE -- LAW ENFORCEMENT -- NATIONAL SECURITY



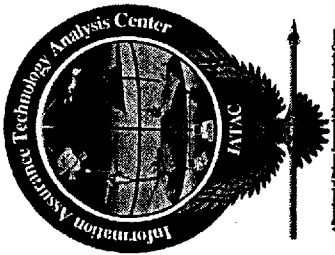
# Support to the Information Operations Community

## IATAC

Provides a DoD central point of access for information on emerging technologies affecting information assurance topics, which include:

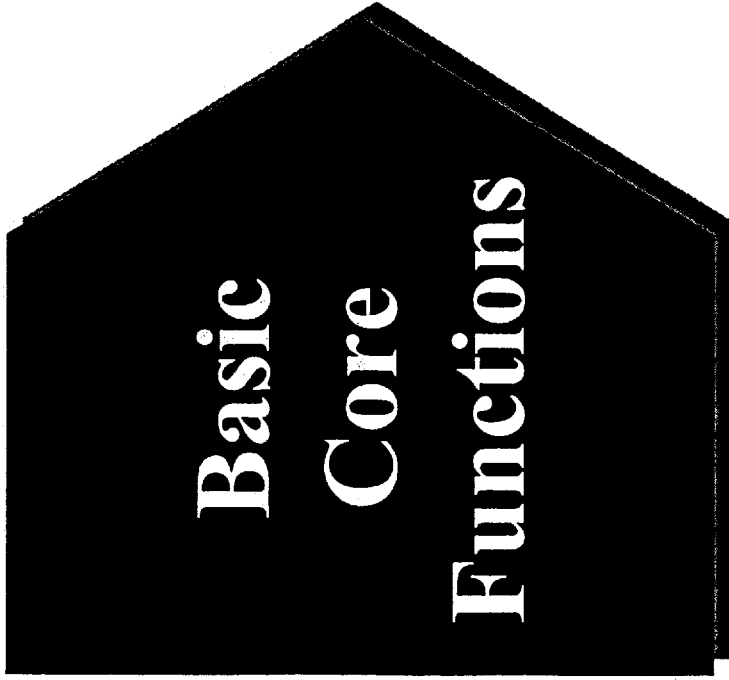
- Identification of system vulnerabilities
- IA research and development
- IA models and analysis

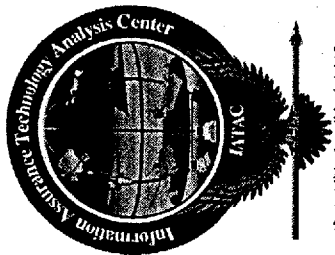
Such topics support the development and implementation of effective defenses against Information Warfare attacks.



# Products & Services

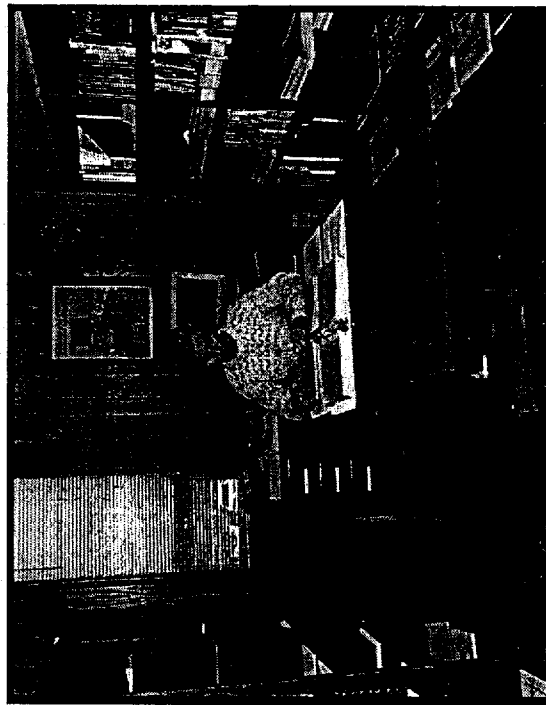
- User Inquiries
- Analysis
- IA Library
- IA Data Bases
- Newsletter
- Technical Reports
- State-Of-The-Art Reports
- Conferences & Symposia





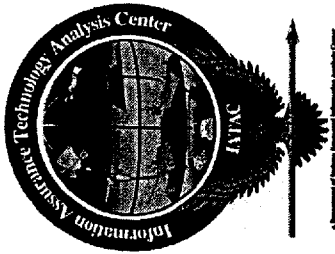
# The IA Library

- **Hardcopy Subscriptions**
- **Access to On-Line Services**
- **Holdings include:**
  - Policy Directives
  - DoD Publications
  - Briefing Charts
  - Subject Matter Books
  - Vendor Product Material

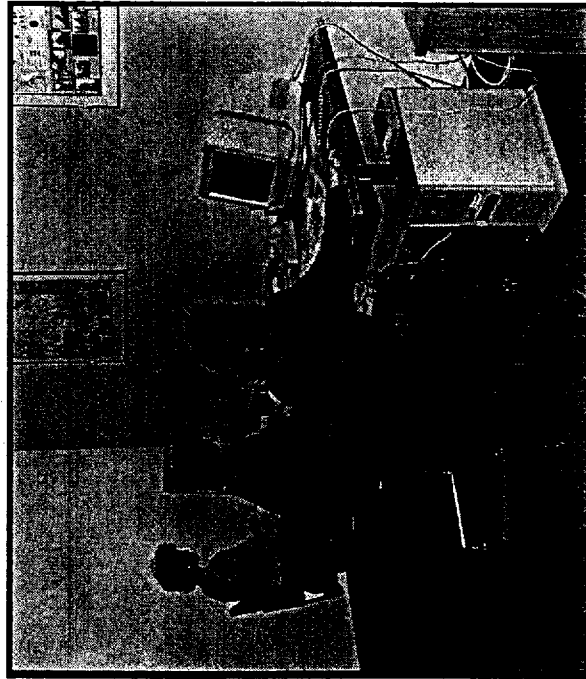


**Information Assurance Library**



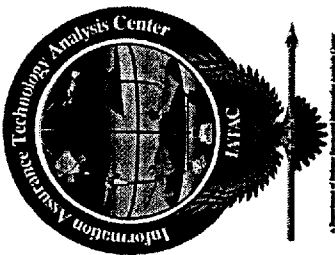


# IA Data Bases



**Information Assurance  
Data Base Operations**

- **Bibliographic**  
Contains information on holdings resident in the IA Library.
- **Vendor**  
Maintains corporate information, oriented to product information.
- **Security Alerts**  
Contains information on virus and system vulnerabilities.
- **Information Assurance Tools**  
Contains information on detection, protection, and exploitation tools.
- **Training & Conferences**  
Provides detailed information on IA training courses & conferences.

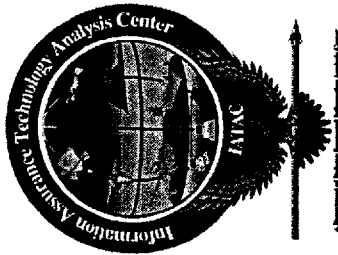


# IATAC Technical Area Tasks: Areas of Expertise

- System Design / Prototype
- Network System Administration and Hardening
- Risk Analysis / Management
- Computer Security Investigations
- Intrusion Detection Tools
- Vulnerability Demonstration and Testing Analysis
- Red Team Support
- Training and Education
- Modeling and Simulation

## Technical Area Tasks

- Separately Funded Outside Core
- Fill Gaps When Research is Not Available
- Value Added Analysis



# Contact Information

**Telephone** (703) 329-7337

**Fax** (703) 329-7197

**STU-III** (703) 329-3940

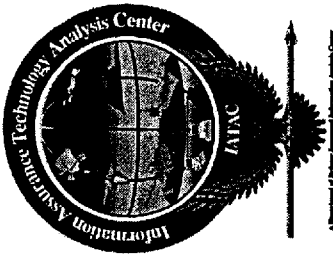
**STU-III Fax** (703) 329-7106

**Internet** <http://www.iatac.dtic.mil>

**Intelink-S** <http://204.36.65.5/index.html>

**Intelink** <http://www.rl.gov./rl/irido/iatac>

**Email** [iatac@dtic.mil](mailto:iatac@dtic.mil)



# Summary

- **IATAC** — A central source for Information Assurance technologies . . . . supporting the development and implementation of effective protection and defense against Information Warfare attacks.
- On-the-shelf resources and technical expertise offer a quick response vehicle to emerging warfighter Information Assurance requirements.

# Open Source Intelligence: CONFERENCE Proceedings, 1997 Volume IV 6th International Conference & Exhibit Global Security & Global - Link Page

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