

TEDCO Federal Lab Program Presents:

The National Security Agency Showcase

November 13, 2001

8:00am–1:30pm

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Hilton Columbia, 5485 Twin Knolls Road
Columbia, MD 21045 410-997-1060

\$40 per person

Directions:

- From I-95, take Exit 41(MD 175 West) toward Columbia. Drive four miles and turn left on Thunderhill Road. Turn right on Twin Knolls Road.
- From Route 29, take MD 175 East, turn right on Thunderhill Road and right on Twin Knolls Road.

Register at www.mdhitech.org by November 9, 2001.

For registration information, contact Angie Bergeron at 240-453-6267 or abergeron@mdhitech.org.

For showcase information, contact Steve Fritz at 410-715-4166 or sfritz@marylandtedco.org.

For information about NSA, contact the NSA Public Affairs Office or www.nsa.gov.

Please register early. Registration is limited to U.S. citizens representing U.S.-owned companies. Admission will be limited to pre-registrants with valid photo identification. No walk-ins or substitutions will be allowed.



The National Security Agency is on the frontiers of communications and data processing.

As the nation's cryptologic organization, the National Security Agency is on the frontiers of communications and data processing. It is also one of the most important centers of foreign language analysis and research within the Government.

NSA's early interest in cryptanalytic research led to the first large-scale computer and the first solid-state computer, predecessors to the modern computer. NSA pioneered efforts in flexible storage capabilities, which led to the development of the tape cassette.

The core technologies currently used in achieving the missions of the NSA are Computing, Signal Processing, Communications and Networking Information Assurance, Microelectronics and Advanced Mathematics. Through these technologies, the NSA has emerged as a technical partner and testbed for innovative corporations.

Opening Remarks

Welcome to NSA, *Mr. Harry Gatanas, Senior Acquisition Executive*

Maryland TEDCO Welcome, *Dr. Phillip Singerman, Executive Director, Maryland Technology Development Corporation*

Presentations

SESSION I- CONTRACTING WITH THE NSA

Security Clearance Processes

- How to initiate background investigations/options
- How to charge investigation cost to NSA contracts

Special Security Processing

Contracting With The NSA

- Business Registry/Acquisition Research Center
- Points of contact

Small & Disadvantaged Business Utilization (SADBU)

- Services for Small Business
- Points of contact

NSA Set-Aside for Small Business (NSETS)

- What is NSA Set-Aside for Small Business
- Points of contact

SESSION II- INFORMATION ASSURANCE (IA) OPPORTUNITIES

Information Assurance Challenges

- IA Organizational Structure
- IA Challenges
- IA Products
- National Information Assurance Partnership

IA Opportunities

- Acquisition Program Managers Organization
- IAD Program Investments
- Contracting Opportunities

SESSION III- RESEARCH AND TECHNOLOGY OPPORTUNITIES

Maryland TEDCO Technology Transfer Program Initiative, *Steve Fritz, Ph.D., Director, Technology Transfer*

Domestic Technology Transfer

Role of Research at NSA

Research Organization & Structure

Partnering in Research

Technologies of Interest & Examples

- Optics/photonics
- Magnetics
- Quantum phenomena/computing
- High-performance computing
- Nanotechnology/molecular electronics

Biometrics—Biometric Authentication Technology

- Robust authentication based upon traits such as fingerprints, iris patterns, voice characteristics or facial images
- Faster, more economical and easier than passwords
- Biometric-based authentication is being applied towards access control of laptops, desktops, networks, servers and other diverse applications such as door access, social services benefits, school lunch programs and amusement park access

NETTOP—Commercial Technology in Sensitive Applications

Schedule of Events

8:00 am - 8:30 am	Registration, Continental Breakfast and Informal Networking
8:30 am - 8:45 am	Welcome Remarks
8:45 am - 10:00 am	Session I Presentations
10:00 am - 10:15 am	Break and Informal Networking
10:15 am - 11:15 am	Session II Presentations
11:15 pm - 12:30 pm	Session III Presentations
12:30 pm - 1:30 pm	Lunch and Informal Networking