

47th ANNUAL TARGETS, UAVS & RANGE OPERATIONS SYMPOSIUM & EXHIBITION

“Test and Training in a Time of Change”



ONSITE AGENDA FLOORPLAN & EXHIBITOR PROFILES ATTENDEE ROSTER

OCTOBER 21-23, 2009

WWW.NDIA.ORG/MEETINGS/0410

▶ **HYATT REGENCY SAVANNAH**

▶ **SAVANNAH, GA**

▶ **EVENT #0410**

WILLIS HOWARD AWARD

The Willis Howard Award is presented annually to the person, either corporate or military, who in the view of the Executive Board, has demonstrated both sustained superior service within the communities now represented by the NDIA Targets Division, as well as active service to the Division.

Named after Mr. Willis Howard, one of the founding owners of Cartwright Electronics (now a division of Meggitt Defense Systems, Inc.), it is the highest award presented within the targets community. Willis was also one of the founding corporate members of the NDIA Targets Division, which was originally the Aerial Targets Division of the American Ordnance Association. He was an extremely active member of the Division who presented papers, chaired sessions and was Chairman of the Annual Symposium on two occasions.

Willis was killed in an auto accident while working with the USAF Weapons Evaluation Group at Tyndall Air Force Base. He was so well respected throughout the Targets Community that the Division implemented an award in his honor.

HUGH HARRIS MEMORIAL SCHOLARSHIP & GOLF TOURNAMENT

The Hubert D. Harris Scholarship Program was established in 1991 to memorialize Hugh Harris for his many contributions to the targets community in both government and industry. The Division has been joined by NDIA's Gulf Coast Chapter as a co-sponsor of the scholarship program.

Hugh was a longtime member and leader in various professional organizations including the IEEE, AOC and ADPA (forerunner of the NDIA). He served two years as the national Chairman for the Aerial Targets and RPV Section, working closely with all three military services. Subsequent to his death on June 9, 1991, Hugh was the posthumous winner of the Division's Willis Howard Award for outstanding service.

The Hugh Harris Scholarship is presented annually to a deserving high school senior who will be entering an accredited four-year university in pursuit of a math, engineering or hard science degree. Profits from the Hugh Harris Memorial Golf Tournament supplement the \$50,000 base scholarship fund.

SYMPOSIUM AGENDA

WEDNESDAY, OCTOBER 21, 2009

- | | |
|--------------------|--|
| 10:00 AM - 6:30 PM | Registration Open in Ballroom ABC Foyer |
| 11:00 AM | Hugh Harris Memorial Golf Tournament at Hunter Golf Club |
| 5:00 PM - 6:30 PM | Welcome Reception in Exhibit Hall |

AWARD PRESENTATION

The Willis Howard Award will be presented on Thursday, October 22, 2009.

GOLF COURSE

Hunter Golf Club
Building 8205
South Perimeter Road
Hunter Army Airfield, GA 31409
(912) 315-9115



SYMPOSIUM REGISTRATION

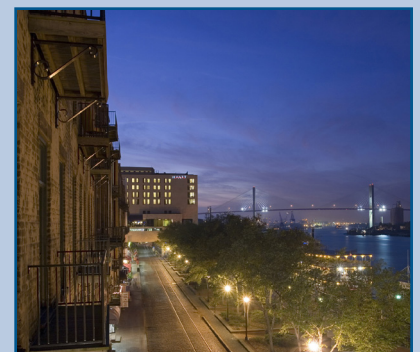
Ballroom ABC Foyer
- Hotel Level 2

GENERAL SESSION

Ballroom ABC
- Hotel Level 2

EXHIBIT HALL

Harborside Center
- Hotel River Street Lower Level



KEYNOTE ADDRESS



Maj Gen David Eichhorn, USAF, is responsible for the development, test and evaluation of manned and unmanned aircraft systems in both experimental and proven aerospace vehicles. He supports the conduct of test and evaluation programs for the Department of Defense, the Defense Advanced Research Project Agency, the National Aeronautics and Space Administration, and the U.S. Air Force, Army, Navy and Marine Corps.

General Eichhorn entered the Air Force as a distinguished graduate through the Reserve Officer Training Corps in 1976. In earlier assignments, he served as an experimental test pilot, and his commands include two flight test squadrons, a test group, a test wing, and the Arnold Engineering Development Center overseeing developmental flight tests on a wide variety of weapon systems. A certified acquisition professional, he served at the Electronic Systems Center as the Vice Commander, where he was previously assigned as Director of Advanced Command, Control and Communications Systems as well as Director of Advanced Aircraft Systems. He has also served as Director of the Aeronautical Enterprise Program Office, Deputy Director of Plans and Programs at Headquarters Air Force Materiel Command, and Deputy Program Executive Officer for Aircraft at Aeronautical Systems Center. Prior to his current assignment, General Eichhorn was the Director of Air, Space and Information Operations, Headquarters Air Force Materiel Command.

7:00 AM - 8:00 AM	Continental Breakfast in Exhibit Hall; Registration Open
8:00 AM - 8:10 AM	Welcome Remarks and Keynote Speaker Introduction by Symposium Co-Chairmen <ul style="list-style-type: none"> ▶ Mr. David Laird, Director of Programs, Micro Systems, Inc. ▶ Mr. Craig Tangedal, Systems Engineer, 5D Systems
8:10 AM - 8:50 AM	Keynote Address <ul style="list-style-type: none"> ▶ Maj Gen David Eichhorn, USAF, Commander, Air Force Flight Test Center, Edwards AFB
SESSION I: RANGES AND RANGE OPERATIONS	
8:50 AM - 9:00 AM	Introduction by Session Chair <ul style="list-style-type: none"> ▶ Ms. Karen Draper, Deputy, Test Management Division, NAVAIR Range Department, Pt. Mugu
9:00 AM - 9:20 AM	National NAVAIR Range Complex <ul style="list-style-type: none"> ▶ Mr. Terrence (Terry) Clark, SES, Director, NAVAIR Range Department, Pt. Mugu
9:20 AM - 9:40 AM	Targets and Test Platforms <ul style="list-style-type: none"> ▶ Mr. Ben Rasnick, Deputy Department Head, Programs, AIR 5.3 (Threat Target Systems Department), Pt. Mugu
9:40 AM - 10:25 AM	Networking Break in Exhibit Hall
10:25 AM - 10:45 AM	Capabilities of U.S. Army 21st Century Control Systems <ul style="list-style-type: none"> ▶ Mr. Barry Hatchett, Lead Project Director, Targets Management Office (TMO), Redstone Arsenal
10:45 AM - 11:05 AM	Mobile Ground Targets <ul style="list-style-type: none"> ▶ Ms. Robbin Finley, Lead Project Director, Targets Management Office (TMO), Redstone Arsenal
11:05 AM - 11:25 AM	Sustainability Issues Facing our Ranges <ul style="list-style-type: none"> ▶ Mr. Scott Kiernan, AFFTC Encroachment Lead, R-2508 Complex Sustainability Officer, Edwards AFB
11:25 AM - 11:45 AM	U.S. Navy Seaborne Targets: New Directions in a Time of Change <ul style="list-style-type: none"> ▶ Mr. Ken Lyle, Program Manager, Evolving Resources, Inc.
11:45 AM - 12:05 PM	Update on Telemetry Systems for Targets and UAVs <ul style="list-style-type: none"> ▶ Mr. Allen Wooten, P.E., Chief Hardware Engineer, Dynetics, Inc.
12:05 PM - 12:25 PM	Channel Simulators to Test RF Communication Links for Targets, UAVs and Ranges <ul style="list-style-type: none"> ▶ Mr. Steve Williams, Business Area Manager, RT Logic, Inc.
12:25 PM - 12:35 PM	Willis Howard Award Presentation by Division Chairman <ul style="list-style-type: none"> ▶ Mr. David Miller, Business Development, Meggitt Defense Systems, Inc.
12:35 PM - 1:45 PM	Networking Lunch in Exhibit Hall
SESSION II: NEW TECHNOLOGY	
1:45 PM - 1:55 PM	Introduction by Session Chair <ul style="list-style-type: none"> ▶ Mr. Milt Cordingly, Special Program Specialist, CEI
1:55 PM - 2:15 PM	Evolution and Performance of Firejet - Rounding Out the CEI Family of Performance Targets <ul style="list-style-type: none"> ▶ Dr. David Langness, VP, Programs and Business Development, CEI
2:15 PM - 2:35 PM	Conducting Analysis of Alternatives for Directed Energy Systems <ul style="list-style-type: none"> ▶ Mr. Doug Rinell, Team Leader, XXR Directed Energy Weapons
2:35 PM - 2:55 PM	Future Inertial Systems Technology <ul style="list-style-type: none"> ▶ Mr. Ralph Hopkins, Principal Member, Technical Staff, Draper Laboratory
2:55 PM - 3:40 PM	Networking Break in Exhibit Hall
3:40 PM - 3:55 PM	Hugh Harris Scholarship Update <ul style="list-style-type: none"> ▶ Mr. Cort Proctor, Consultant, Micro Systems, Inc.
3:55 PM - 4:15 PM	Low Cost Training and T&E Targets <ul style="list-style-type: none"> ▶ Mr. Jim Schwierling, Lead Project Director, Targets Management Office (TMO), Redstone Arsenal

KEYNOTE ADDRESS



Maj Gen Blair E. Hansen, USAF, is the Deputy Commander, Joint Functional Component Command for Intelligence Surveillance and Reconnaissance; Deputy Director, National Intelligence Coordination Center; and Deputy Director, Defense Intelligence Operational Coordination Center, Bolling Air Force Base, Washington, DC. General Hansen develops the strategies and plans to integrate, synchronize, and manage full-spectrum defense intelligence operations and capabilities in support of combatant commands to satisfy the priorities of the Department of Defense and the nation.

General Hansen's commands have included a fighter squadron, group and wing to include the 332nd Air Expeditionary Wing at Balad Air Base, Iraq. He held staff assignments at the Combined Forces Command in Seoul, South Korea, the Office of the Secretary of Defense and Headquarters U.S. Air Force, Washington, DC. Prior to assuming his current position, General Hansen was Director of Intelligence, Surveillance and Reconnaissance Capabilities, Deputy Chief of Staff for Intelligence, Surveillance and Reconnaissance, Headquarters U.S. Air Force. General Hansen is a command pilot with more than 3,500 hours in fighter aircraft, including 110 combat missions.

4:15 PM - 4:35 PM

Determining Threat Equivalency of Navy Aerial Targets

- ▶ Mr. Brian Battaglia, Associate Professional Staff, Johns Hopkins University Applied Physics Laboratory

4:35 PM - 6:00 PM

Networking Reception in Exhibit Hall

FRIDAY, OCTOBER 23, 2009

7:00 AM - 8:00 AM

Continental Breakfast in Exhibit Hall; Registration Open

8:00 AM - 8:15 AM

Welcome Remarks and Keynote Speaker Introduction by Symposium Co-Chairmen

- ▶ Mr. David Laird, Director of Programs, Micro Systems, Inc.
- ▶ Mr. Craig Tangedal, Systems Engineer, 5D Systems

8:15 AM - 9:00 AM

Keynote Address

- ▶ Maj Gen Blair E. Hansen, USAF, Deputy Commander, Joint Functional Component Command for Intelligence, Surveillance and Reconnaissance; Deputy Director, National Intelligence Coordination Center; Deputy Director, Defense Intelligence Operational Coordination Center

SESSION III: CURRENT TRENDS

9:00 AM - 9:10 AM

Introduction by Session Chair

- ▶ Mr. Jack Chancellor, Business Development, Meggitt Defense Systems, Inc.

9:10 AM - 9:30 AM

Aerial Weapons Scoring System

- ▶ Mr. Derek Foster, Program Director, Meggitt Defense Systems, Inc.

9:30 AM - 10:15 AM

Networking Break in Exhibit Hall

10:15 AM - 10:35 AM

Combat Archer

- ▶ Lt Col Peter "Shadow" Ford, USAF, 83rd Fighter Weapons Squadron, Tyndall AFB

10:35 AM - 10:55 AM

TMO Aerial Tow Target Program

- ▶ Mr. Tony Still, Project Director, Tow Targets; Engineering Chief, Targets Management Office (TMO), Redstone Arsenal

10:55 AM - 11:15 AM

Autonomous Cooperative Targets for Air, Land and Sea Operations

- ▶ Mr. Chad Hawthorne, Senior Professional Staff, Johns Hopkins University Applied Physics Laboratory

11:30 AM - 1:30 PM

Networking Lunch in Exhibit Hall (Last Chance to View Exhibits)

SESSION IV: MILITARY PROGRAMS AND REQUIREMENTS

1:30 PM - 1:40 PM

Introduction by Session Chair

- ▶ Mr. Alvin Brown, Director, Targets Management Office (TMO), Redstone Arsenal

1:40 PM - 2:00 PM

U.S. Air Force

- ▶ Mr. Mike VandenBoom, Director of Operations, 691st Armament Systems Squadron, Eglin AFB

2:00 PM - 2:20 PM

U.S. Army

- ▶ Mr. Alvin Brown, Director, Targets Management Office (TMO), Redstone Arsenal

2:20 PM - 2:40 PM

U.S. Navy

- ▶ CAPT Daniel McNamara, USN, Program Manager, Aerial Target and Decoy Systems, PMA-208, Patuxent River

2:40 PM - 3:00 PM

Office of the Secretary of Defense: Target Investments

- ▶ Mr. Josh Messner, TMI Program - Execution Manager, DOT&E Target Resources

3:00 PM - 3:10 PM

Concluding Remarks by Symposium Co-Chairmen

- ▶ Mr. David Laird, Director of Programs, Micro Systems, Inc.
- ▶ Mr. Craig Tangedal, Systems Engineer, 5D Systems

EXHIBITING COMPANIES

Listed by Name Name

Booth #

Autonomous Solutions, Inc.	12
Cambridge Consultants	27
Composite Engineering	29
Composite Engineering	10
EADS North America	37
Eglin AFB	6
Griffon Aerospace	1
Lockheed Martin Aero	31
Meggitt Defense Systems	35
Micro Systems, Inc.	4
Northrop Grumman	13
Orbital Sciences Corporation	34
RT Logic	5
SA-TECH	33
Targets Management Office	7
UTRON, Inc.	3

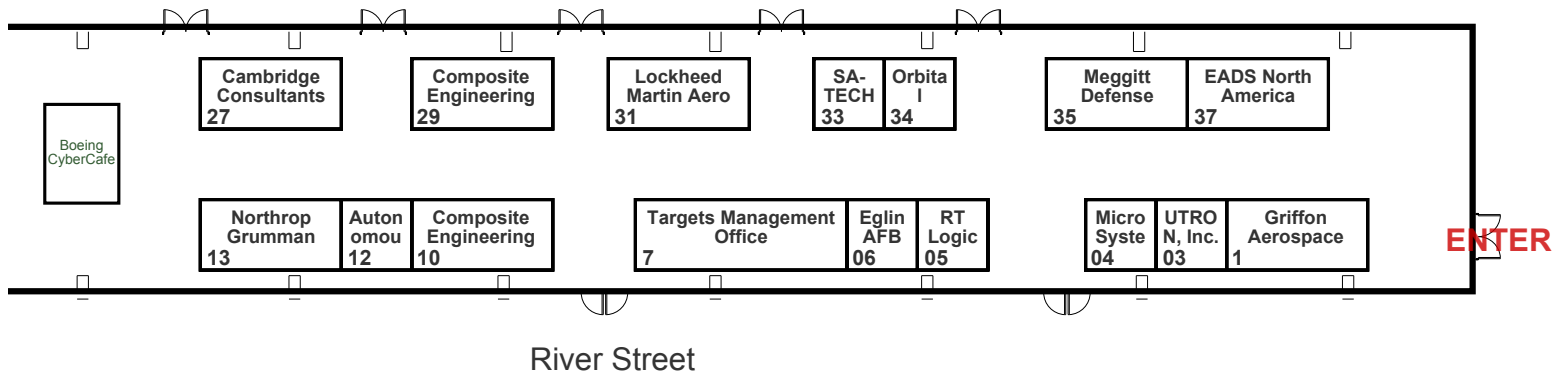
Listed by Booth Number Name

Booth #

Griffon Aerospace	1
UTRON, Inc.	3
Micro Systems, Inc.	4
RT Logic	5
Eglin AFB	6
Targets Management Office	7
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Composite Engineering	29
Lockheed Martin Aero	31
SA-TECH	33
Orbital Sciences Corporation	34
Meggitt Defense Systems	35
EADS North America	37

HARBORSIDE CENTER

Waterside Walkway



Autonomous Solutions, Inc.

<http://www.autonomoussolutions.com>

Autonomous Solutions is a leader in target vehicle automation and multi-vehicle control. We have delivered hundreds of unmanned vehicle systems on 50 different types of vehicles for military and commercial applications. ASI has implemented ground target solutions at Luke AFB, Nellis AFB, and Fort Polk. We currently offer high-precision ground targets and low cost disposable target solutions. Stop by and ask about our ground target solutions.

Cambridge Consultants

Cambridge Consultants develops and manufactures world-leading products and systems, creates and licenses intellectual property and provides technology consultancy. With a team of over 250 engineers, designers and scientists, Cambridge Consultants works across a range of industries including defense, medical technology, industrial and consumer products, transport systems and wireless communications.

Composite Engineering

Composite Engineering Inc. provides high performance aerial targets and target services around the globe. Our platforms include the US Air Force fielded BQM-167A, the BQM-167X and the Firejet target systems. In addition, we provide significant elements of the US Navy GQM-163 and the recently awarded MSST program.

EADS North America

<http://www.eadsnorthamerica.com>

EADS North America is a major provider of advanced solutions for U.S. defense and homeland security, and is a recognized leader in the design, production, and operation of aerial targets. EADS North America and its parent company, EADS, contribute \$11 billion to the U.S. economy and support 200,000 American jobs.

Eglin AFB

Preview the new and improved Gulf Range Drone Control System (GRDCS).

Griffon Aerospace

<http://www.griffon-aerospace.com>

Griffon is the prime contractor for Air Defense Targets for the US Army Targets Management Office (TMO) and the manufacturer of the MQM-170A Outlaw and MQM-171 BroadSword.

Lockheed Martin Aero

Lockheed Martin (NYSE: LMT) is a global security enterprise engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems.

Meggitt Defense Systems

<http://www.meggitt-defense.com>

Meggitt Defense Systems is a world-leading designer and producer of sub-scale free flying and towed targets and tow reels with over 140,000 targets delivered. Our motto "Smart engineering for extreme environments" means we take great pride that our equipment will work the first time and every time, wherever deployed.

Micro Systems, Inc.

www.gomicrosystems.com

Micro Systems, Inc. offers turn-key solutions for command/control, instrumentation systems and components for airborne and ground based target applications.

The Company's capabilities encompass all aspects of system development including Systems Engineering, benign and severe environment hardware engineering, high performance, real-time software engineering, and field engineering support.

Northrop Grumman

<http://northropgrumman.com>

Northrop Grumman enjoys a preeminent legacy of high fidelity aerial target development and production spanning 70 years. The Northrop Grumman team showcases the foundation for the next generation of high performance subsonic target. BQM-74X will meet all of the key performance requirements of the Navy's subsonic aerial target (SSAT) program.

Orbital Sciences Corporation

www.orbital.com

Orbital's Launch Systems Group provides launch vehicle design, development, integration and launch services. Orbital leverages our 46-year history of launch vehicle development for missile defense interceptors, ballistic targets, experimental payloads and satellite launches.

RT Logic

<http://www.rtlogic.com>

RT Logic, designs, develops, and delivers innovative signal processing systems for the space, flight test and range communications industry. Our Telemetrix® product line is used for flight test, launch vehicle telemetry, on-orbit satellite control, missile and airborne communications, range communications as well as spectrum monitoring/interference detection and training applications. RT Logic is an Integral Systems company.

SA-TECH

www.sa-techinc.com

SA-TECH provides support services to DoD customers in the areas of program management, operations and maintenance, engineering services, and logistics. Our specialty is test/training ranges and targets.

Targets Management Office

<http://www.peostri.army.mil/PMITTS/TMO>

The Targets Management Office provides technically advanced target system development, target system procurement and life-cycle target operations and sustainment support in live and virtual environments for US and allied clients. The targets systems encompass 3 domains: Aerial, Ground and Virtual.

UTRON, Inc.

<http://www.utroninc.com>

UTRON is an award winning R&D Company with an exemplary history of providing advanced technological innovations in the areas of high velocity gun launch and novel materials. UTRON's defense division operates a new 300-acre high-energy test facility in West Virginia, which is certified as an IED/EFP test center.

ATTENDEE ROSTER

MR. SAMI ADLAY
NAVAIR WEAPONS DIVISION

CDR PETE ALEXANDER, USN
L-3 RUGGEDIZED COMMAND & CONTROL SOLUTIONS

MR. JOHN ALLEN
U.S. ARMY PEO STRI

MR. PAUL BAITER
ANALYTICAL SERVICES, INC.

MS. KATY BALL
WEBER

MR. BRAD BARE
TYBRIN CORPORATION

MR. ROBERT BARRETO
AIRBORNE THREAT SIMULATION

MR. BILL BARSBY
ZODIAC DATA SYSTEMS

MR. BRIAN BATTAGLIA
JOHNS HOPKINS UNIVERSITY APL

MR. ROB BELKNAP
BAE SYSTEMS AEROSPACE SOLUTIONS

MR. STEVE BELOW
J B MANAGEMENT

MR. STEVE BERKEL
NAVAL AIR WARFARE CENTER, WEAPONS DIVISION

MR. JOHN BRADY
PEO STRI TARGETS MANAGEMENT OFFICE

MR. ALVIN BROWN
PEO STRI TARGETS MANAGEMENT OFFICE

MR. LARRY BROWN
THE BOEING COMPANY

CAPT ED CAFFREY, USN (RET)
ENGINEERED ARRESTING SYSTEMS CORP.

MR. ROGER CALDOW
THE JOHNS HOPKINS UNIVERSITY APL

MR. RON CARTER
UTAH CENTER FOR AERONAUTICAL INNOVATION & DESIGN

MR. PETER CASTRILLI
RAYTHEON TECHNICAL SERVICES COMPANY, LLC

MR. JACK CHANCELLOR
MEGGITT DEFENSE SYSTEMS, INC.

MS. KAREN CHERGOSKI
SYSTEMS APPLICATION & TECHNOLOGIES, INC.

MR. TERRY CLARK
NAVAIR

MRS. DEBBIE CLEGG
ARGON ST

MR. MILT CORDINGLY
CEI

MAJ CLEVELAND DARGAN, USA
U.S. ARMY ARDEC

MR. THOMAS DOWD
NAVAIR

MS. KAREN DRAPER
NAVAIR

MR. SCOTT DUFFY
PEO IWS ITE

MR. JIM DUNCAN
RAYTHEON COMPANY

MAJ GEN DAVE EICHHORN, USAF
AIR FORCE FLIGHT TEST CENTER, EDWARDS AFB

MR. ALAN EVANS
SOFTWARE ENGINEERING INSTITUTE

MR. DIK FARHALL
AIRBORNE SYSTEMS N.A.

MR. DON FERGUSON, JR.
U.S. ARMY MISSILE COMMAND

MR. KEVIN FERGUSON
MICRO SYSTEMS, INC.

MS. ROBBIN FINLEY
TARGETS MANAGEMENT OFFICE

MR. ERIC FINN
NAVAL AIR WARFARE CENTER, WEAPONS DIVISION

LCDR JIM FLEMING, USN
OPNAV N091

LT COL SHADOW FORD, USAF
83RD FIGHTER WEAPONS SQUADRON

MR. DEREK FOSTER
MEGGITT DEFENSE SYSTEMS, INC.

MR. MICHAEL FRANCIS
TARGETS MANAGEMENT OFFICE

MR. MIKE FUKUDA
ADVANCED TECHNOLOGY ASSOCIATES, INC.

MR. BOB GRAHAM
ATLANTIC TARGETS & MARINE OPERATIONS

MR. SAM GRIFFITH
NAVAIR

MR. JIM GRUENBERG
WRIGHT STATE UNIVERSITY - NATIONAL CENTER FOR MEDICAL READINESS

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C-PORT MARINE SERVICES, LLC

MAJ GEN BLAIR HANSEN, USAF
JOINT FUNCTIONAL COMPONENT COMMAND

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PEO STRI PM ITTSW TARGETS MANAGEMENT OFFICE

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NORTHROP GRUMMAN CORPORATION

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ONR

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GATECH RESEARCH INSTITUTE

MR. DARREN JOHNSON
5-D SYSTEMS, INC.

MR. SCOTT KIERNAN
AFFTC

MSGT RYAN KILIAN, USAF
U.S. AIR FORCE

MAJ PATTY KIM, USAF
HEADQUARTERS AIR COMBAT COMMAND

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EADS NORTH AMERICA

MR. ANDY KRISTOVICH
OSD/DOT&E

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MICRO SYSTEMS, INC.

MR. MIKE LAROSE
U.S. ARMY

MR. JOHN LATIMER
LOCKHEED MARTIN INFORMATION SYSTEMS

MR. RAY LOWMAN, II
U.S. ARMY VIRTUAL TARGETS CENTER

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EVOLVING RESOURCES, INC.

MR. JAMES MAYBURY
APPLIED RESOURCES, INC.

CAPT DANIEL MCNAMARA, USN
PMA-208 NAVY AERIAL TARGETS & DECOY
SYSTEMS

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NAVAL AIR WARFARE CENTER, WEAPONS
DIVISION

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MR. JOSHUA MESSNER
OFFICE OF THE SECRETARY OF DEFENSE,
DOT&E

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MEGGITT DEFENSE SYSTEMS, INC.

LT COL STUFF MILLER, USAF
TYNDALL AFB

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SOUTHERN CALIFORNIA OFFSHORE RANGE

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ROBONIC, LTD, OY

MR. JIM MOORE, JR.
53RD TEST SUPPORT SQUADRON

BG STEPHEN MUNDT, USA (RET)
EADS NORTH AMERICA

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TARGETS MANAGEMENT OFFICE

LT COL MICHAEL NEEMAN, USAF
86TH FIGHTER WEAPONS SQUADRON

MR. DICK NIEHAUS
THE BOEING COMPANY

MR. DOC O'CONNELL
SYNECTIC SOLUTIONS, INC.

MR. DAVE ORMSBEE
MICRO SYSTEMS, INC.

MR. BOB PALMER
MEGGITT DEFENCE SYSTEMS, INC. -
CANADA

MAJ BERNIE PETERS, USA
CAMP GRAYLING JOINT MANEUVER
TRAINING CENTER

MR. KARL POULSEN
MICROTURBO, INC.

MR. CORT PROCTOR
MICRO SYSTEMS, INC.

MR. DAVID PURDY
NAVAL AIR WARFARE CENTER, WEAPONS
DIVISION

MR. BEN RASNICK
AIR 5.3, NAVAIR

MR. JIM RENSHAW
APPLIED RESOURCES, INC.

MR. CHARLIE RICH
TARGETS MANAGEMENT OFFICE

MR. REINHARD RICHTER
E.I.S. AIRCRAFT GMBH

MR. DOUG RINELL
DIRECTED ENERGY, AAC

COL KEVIN RUMSEY, USAF (RET)
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TARGETS MANAGEMENT OFFICE

MR. ERAN SHANI
ISRAEL MILITARY INDUSTRIES

CAPT STEVE SHEGRUD, USN (RET)
WHITNEY, BRADLEY & BROWN

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THE GAMMON GROUP, LLC

MR. CHUCK SLEEPER
UBC, INC.

MR. JERRY SMAILES
U.S. AIR FORCE

MR. BRENT SMITH
JACOBS ENGINEERING GROUP, INC.

COL CYRIL SOCHA, USAF
308TH ARMAMENT SYSTEMS WING

MR. WALT SPENCE
HONEYWELL CORP

MR. TONY STILL
TARGETS MANagements OFFICE

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COMPUTER SCIENCES CORPORATION

MR. BRADLEY STRINGER
WEBER

MR. TIM STRUSZ
ATK ADVANCED WEAPONS

MR. MARK SYDENHAM
QINETIQ, LTD.

MR. DENNIS TACKETT
MODERN TECHNOLOGY SOLUTIONS, INC.

MR. CRAIG TANGEDAL
5-D SYSTEMS, INC.

COL PK TANGUAY, USA (RET)
COMMUTER AIR TECHNOLOGY

MR. RAINER TELLINGHUSEN
E.I.S. AIRCRAFT GMBH

COL BRUCE TRUOG, USA
PEO STRI TARGETS MANAGEMENT OFFICE

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NORTHROP GRUMMAN CORPORATION

MR. GREGG VAN SPLINTER
ATSO

MR. MIKE VANDENBOOM
691ST ARMAMENT SYSTEMS SQUADRON

MR. PAUL VANDRUNEN
TYBRIN CORPORATION

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TYBRIN CORPORATION

MR. JOHN WEEKLEY
TYBRIN CORPORATION

MR. PATRICK WELDON
HONEYWELL

MR. DAN WHEATON
SURFACE COMBAT SYSTEMS COMMAND

MR. BRIAN WHITAKER
TARGETS MANAGEMENT OFFICE

MR. ROB WICK
ISR GROUP, INC.

MR. STEVE WILLIAMS
RT LOGIC, INC.

MRS. MICHELE WILSON
L-3 COMMUNICATIONS

DR. KEVIN WISE
THE BOEING COMPANY

MR. HAROLD WOODFIN
APPLIED GEO TECHNOLOGIES, INC.

MR. ALLEN WOOTEN
DYNETICS, INC.

MR. MARK YOHO
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HYATT REGENCY SAVANNAH

2 West Bay Street
Savannah, GA 31401
(912) 238-1234

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Mr. Dennis W. Tharp
Exhibit Manager
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PROCEEDINGS

Proceedings will be available on the web through the Defense Technical Information Center (DTIC) two weeks after the symposium. All registered attendees will receive an email notification once the proceedings are available.

ID BADGE

During symposium registration and check-in, each attendee will be issued an identification badge. Please be prepared to present a valid picture ID. Your badge must be worn at all symposium functions.

**47th ANNUAL
TARGETS, UAVS &
RANGE OPERATIONS
SYMPOSIUM & EXHIBITION**

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smart engineering for
extreme environments

Meggitt Defense Systems (MDS) is proud to sponsor the NDIA Targets Symposium. MDS is a world leading designer and producer of sub-scale free flying and towed targets with well over 140,000 targets delivered to the U.S. and allied forces over our company's history. Our products range from the 180-300 knot class Banshee and Voodoo powered targets to the 400 knot class GT-400 glide target and a wide portfolio of towed targets and highly reliable reeling machines and tow lines. Our targets can be modified with signature augmentation devices to match training threats in the visible IR and radar spectrums. MDS also designs and produces a wide variety of Acoustic and Doppler radar based scoring systems for both scalar and vector applications along with associated ground stations for rapid feedback during engagements. We have also developed and fielded the Aerial Weapon Scoring System (AWSS) that has become the U.S. Army's standard for objective weapons evaluation during Apache crew qualification gunnery tables.

MDS' other technologies include airborne countermeasure systems, ammunition handling systems and environmental control systems. Our Training Systems group in Atlanta, Georgia specializes in live-fire range Targetry, control and instrumentation for various weapon types ranging from small arms through full tank rounds and virtual training ranges utilizing the latest in computer generated graphics for full immersion scenarios from individual weapons to full combat unit engagements including calls for fire and air strikes.

Our company's goal is to support our armed forces with the best training and combat systems possible so the soldiers can train like they fight and fight like they train. We take pride in our combat systems' reliability from towed countermeasures to ammunition handling systems – all proven in combat in the harshest environments in the world. Our motto, "Smart engineering for extreme environments," means we take great pride that our equipment will work the first time and every time, wherever deployed.

Visit us at Booth #35! For additional information, please visit: <http://www.meggittdefense.com>.



Nearly a century of expertise and continuing innovation make Boeing the leader in the aerospace and defense industry. Boeing combines global resources and a spirit of innovation to provide best-of-industry, network-enabled solutions to military, government and commercial customers around the world.

From battle-proven aircraft to space systems and beyond, Boeing is the world's leading space and defense business and the world's largest and most versatile manufacturer of military aircraft. Boeing also is the world's largest satellite manufacturer, an emerging leader in support systems and services, and a leading global supplier of human space exploration systems and services.

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