

FighterJet Maintaining Air Supremacy

At This Event, You Will Learn About And Discuss

- The Joint Strike Fighter, F/A-22 Raptor, F/A-18 E/F Super Hornet, F-16, F-15, and F-117
- JDAM, providing the warfighter with an all-weather, near-precision bombing capability
- Small Diameter Bombs, which the Air Force hopes to deploy by 2006 on the F-15E and several other aircraft.
- Infrared countermeasure systems, providing the US military with the ability to protect tactical aircraft against anti-aircraft infrared (IR) guided missiles
- Fighter maintenance

Main Conference November 17-18, 2005

Pre-Conference Workshop Day November 16, 2005

Georgetown University Conference Center Washington, DC

IDGA has assembled an unparalleled speaker faculty that includes:

Colonel Louis M. Durkac, USAF Assistant Director Óf Requirements **AIR COMBAT** COMMAND

> Colonel Mike Williams USAF Commander, Fighter/Attack Systems Wing

Colonel Bruce A. Litchfield USAF Commander, Agile **Combat Support** Systems Wing

Colonel Richard D. Justice USAF Commander, Miniature **Munitions Systems Group**

Colonel Jimmy R. Clark, USAF Chief, F/A-22 System Management Organization

Captain Jeff Penfield, USN Deputy PM For Systems Development, F/A-18 Strike Fighter, Naval Air Systems Command

Captain James G. Wallace, USN Director Of International Programs, PMA-265

Colonel Scott Jansson, USAF F-16 Systems Group Commander

Mr. Robert Burnes, USN Director, F-35 Joint Strike Fighter Propulsion Directorate

Mr. George Spencer, USAF Director F-15 Systems Group

Lieutenant Colonel Rich Hyde, USAF, Program Manager, JDAM

Media Partners:





IDGA Alert

Carroll



SPEEDNEWS DEFENSE Billieckhy ORECAST



Co-located with



Visit www.idga.org for more information.

Dear Colleague,

Almost 300 fighter jets were sold worldwide to the tune of \$14 billion last year, and over the next 5 years, thousands of fighter jets are due for replacement in more than 30 countries. The booming fighter jet market coincides with the emergence of the F-35 Joint Strike Fighter, a next generation strike fighter being utilized by the Navy, Force, Marines and our allies, and the F/A-22 Raptor.

While new platforms make the headlines, there will be plenty of business revolving around other fighters. F-16s are being delivered to Greece, Israel and the United Arab Emirates, and the F/A-18 E/F Super Hornet, the Navy's advanced fighter jet, could find overseas customers (older Hornets, F/A-18A-D, have been purchased by Canada, Australia and Finland).

IDGA's Fighter Jet conference will address the progress of the Joint Strike Fighter and F/A-22 Raptor, as well as providing program updates from representatives for the F-117, F-16, F-15, and F/A-18 E/F Super Hornet. Conference sessions will also focus on:

- Fighter modernization efforts, such as the implementation of new AESA radar systems
- Sustainment and challenges posed by aging aircraft: Air Force fighters average nearly 20 years of age. Maintenance issues, often associated with older aircraft, make it difficult to maintain a fleet's mission capable rate.
- Infrared countermeasure systems: The US military has recognized the threat to its tactical fighter aircraft from anti-aircraft infrared (IR) guided missiles, and has responded with the development of advanced countermeasure canabilities
- Small Diameter Bombs: In December 2004, Small Diameter Bombs were released for the first time by the U.S. Air Force at White Sands Missile Range, NM. The SDBs were dropped from F-15E aircraft and successfully struck their targets; it is hoped that SDB capability can be delivered to the warfighter in 2006.

You will not want to miss this chance to gain an in-depth look at the world fighter market and the technology that is shaping air warfare. Act now! Reserve your place among government and industry leaders in the fighter jet market. Register yourself and a team of key people today by calling 800.882.8684, by faxing the order form on the back of the brochure to 973.256.0205, or online at www.idga.org.

I look forward to meeting you in November!

of mereditle

Jeff Meredith **Conference Director** Jeff.meredith@idga.org

MEDIA PARTNERS

Carroll Carroll Publishing produces America's largest database of government decision makers. Carroll is the exclusive provider of organization charts of the federal government and DoD. With 320,000 government contacts, and 800 organization charts, Carroll helps you find your key government decision maker, fast! Contact: Gordon Peil, gpeil@carrollpub.com, 703-757-8228. www.carrollpub.com

IDGA Alert is a free monthly newsletter exclusive to IDGA Site Members. Each month IDGA Alert keeps you updated on current news as well as conferences and seminars that are important to all members of the defense community. To activate your free IDGA site membership and begin receiving the free IDGA Alert newsletter visit www.idga.org.

AeroSpaceNews.com delivers trade level content to industry and the general public via multimedia technologies in an informative yet entertaining manner. Forums, job listings, amazing pictures, exclusive audio and video all combine to empower our readers with information, extraordinary images and the ability to discuss the latest news with readers around the world. AeroSpaceNews.com has been honored with awards for its content and innovative use of technology. Login and join the conversation today!



2

Alert 5 features current military aviation news from around the world. Updated everyday, free of charge. www.alert5.com

P.S. Don't forget to sign up for the pre-conference workshops!

See pg. 3 for details

SPEEDNEWS DEFENSE STREAM SpeedNews, founded in 1979, is the source for news and information industries. SpeedNews those in the commercial and military aviation industries. SpeedNews SpeedNews, founded in 1979, is the source for news and information for publishes five industry-leading newsletters of record written in easy-to-read formats, including SPEEDNEWS

DEFENSE BIWEEKLY, published since 1991. SpeedNews also organizes four annual industry-leading suppliers conferences, and hosts the foremost B2B information website for the aviation executive.

AeroWorldNet is the oldest online source of news and data in the aerospace aerowerldnet industry. Since 1996, industry professionals from virtually every aerospace company in more than 80 countries have turned to www.AeroWorldNet.com for the information to support their decisions. AWN is published by Luminor, strategic brand communications firm serving aerospace.

FORECAST The World's Leading Provider of Market Intelligence for the Aerospace, Defense and Power Industries. Forecast International Inc's Intelligence Services and products are created by a worldwide team of renowned analysts using unparalleled informational and statistical databases and an intelligence gathering network developed over the companies 30+ year history. These products cover over 3,000 programs and provide unique 10-yr unit production and value forecasts. They are specifically designed to assist Marketing and Planning Professionals as well as Military Analysts and top Government Officials who require reliable intelligence and related technical data to make critical decisions. Visit www.forecastinternational.com

WHO YOU WILL MEET

At IDGA's Fighter Jet conference, you will have the unique opportunity to interact and network with representatives from related military units/organizations, defense agencies, industry contractors and technology service providers. Attendees will include Directors or Deputy/Vice Directors with the following responsibilities/areas of focus:

- Business Development
- Marketing
- Communications & Electronics Manufacturing
- Acquisition
- Systems Integration
- Weapons
- **Electronic Warfare**
- Avionics
- Radar •

IDGA SITE MEMBERSHIP

IDGA Institute for Defense and Government Advancement

For years IDGA has kept you informed of the most cutting-edge developments in defense technology by hosting an array of innovative conferences and seminars. Now IDGA has become your one-stop source for information on defense news, industry job openings, defense conferences, and more through the new FREE IDGA Site Membership. Sign up at www.idga.org and enjoy the following member benefits:

- Monthly Newsletter updating you on defense news and upcoming events
- Email updates informing you of special offers and discounts on IDGA conferences
- · Password protected access to defense related articles and white papers
- Search for jobs or post jobs on the IDGA Job Board Coming soon
- Access to special networking opportunities at IDGA conferences
- Eligibility to submit articles and white papers (articles will be posted on the IDGA website and will be available to other members)
- · Eligibility to be highlighted in the IDGA Newsletter
- · Links to important government and industry sites
- · Links to the official DoD Dictionary of Military Terms

Sign up at www.idga.org

FIGHTER JET • November 16-18, 2005 • Washington, DC

WEDNESDAY, NOVEMBER 16, 2005

Give more time to the issues

Sign up for the pre-conference workshop day (8:30-5:30) and dedicate more time for dialogue and networking in a classroom environment. Here is what to expect during the workshop day:

- Smaller, classroom-style sessions
- Detailed materials/ live applications
- In-depth discussions with the workshop leaders and fellow attendees

8:00 - 11:00 Nanocomposites for Emerging and Multifunctional Aerospace Applications

Single-walled carbon nanotubes (SWNTs) have exceptional properties which hold great promise for the next generation of high performance and multifunctional composites and sensors applications. Many companies and agencies are interested in harvesting the unique and unprecedented properties of nanocomposites for numerous applications, including structural, electrical, thermal, flame retardant, EMI attenuation, sensor and electron emitting emission and drug delivery. However, due to their unique molecular structures and chemical and physical properties, a number of technical challenges still exist before nanotubes can be processed and into nanotube-based materials and devices, especially for reliable military and commercial applications.

Over the last several years, the Florida Advanced Center for Composite Technologies (FAC²T) at Florida State University has proven a number of technology concepts that have the potential to narrow the gap between research and practical application of nanotube-based materials. These technologies include magnetic alignment of nanotubes, fabrication of nanotube films or buckypapers, production of nanotube composites, modeling of nanotube-epoxy interaction at the molecular level, and characterization of SWNT nanocomposites for mechanical, electrical, thermal, lightning strike resistance, and EMI shielding properties. FAC²T is a research center funded by the National Science Foundation, the Army Research Lab, the Office of Naval Research, the Air Force Research Lab, the Air Force Office of Scientific Research, and a number of companies, including Boeing, Lockheed Martin, Raytheon, and Sikorsky. FAC²T consists of about 45 students and four post-doctoral fellows working under the supervision of six faculty members.

REL

Your Workshop Leaders:

Dr. Ben Wang Simon Ostrach Professor of Engineering Director, Florida Advanced Center for Composite Technologies Department of Industrial Engineering Florida A&M University-Florida State University College of Engineering

Dr. Chuck Zhang Professor Department of Industrial Engineering Florida A&M University-Florida State University College of Engineering

Dr. Leslie Kramer Director and Engineering Fellow Lockheed Martin Missiles and Fire Control-Orlando

11:15 - 2:15 The Academic Center for Aging Aircraft: Assisting the Joint Services with Technology Transition to the Depots

The Academic Center for Aging Aircraft (ACAA) is an academic focal point for issues related to aging aircraft research and technology transition. The Center, under direction from the Joint Council on Aging Aircraft (JCAA), provides solutions to critical sustainment problems that impact the DoD services and other aerospace concerns. A strong focus during the first two years of operation has been to address problems in the dynamic components arena. Topics are broad and include structures, corrosion, rotor blades, transparencies, fuel systems and knowledge-based systems for condition monitoring and prognostics. The authors will describe these and other projects that are having a positive impact on reducing sustainment costs while providing new technologies to the shop floor. A series of projects that have been successful will demonstrate how a multi-university Center has leveraged these solutions for the Tri-service maintenance communities.

Your Workshop Leaders:

Mr. Robert J. Andrews Head, Structural Integrity Division University of Dayton Research Institute

Dr. John F. Ayala Director, Aerospace, Manufacturing, and Systems Engineering Division Texas A&M Engineering Chairman, Academic Center for Aging Aircraft

Gary O'Neill Senior Research Engineer Co-Director, Logistics and Maintenance Applied Research Center (LandMARC) Georgia Tech Research Institute

2:30 - 5:30 Fighter Jet Noise and its Suppression

The workshop addresses two major problems associated with high speed jet noise: the reliable prediction of the acoustic radiation from the jet in terms of engine operating parameters and the design of suitable methods to reduce the noise by either reducing the total acoustic output of the jet or redistributing the acoustic energy. An accurate prediction method for far field high speed jet noise, based on engine operating conditions is presented. Several practical solutions to noise mitigation that have shown promise in full scale engine tests will be explored during the workshop.

Workshop C Leader: Dr. Anjane Krothapalli Don Fuqua Eminent Scholar Chair of Engineering Florida State University

MAIN CONFERENCE DAY ONE THURSDAY, NOVEMBER 17, 2005

Continental Breakfast & Registration 7:30

F/A-18 E/F Super Hornet 8:15

- Current Developments Post-Combat Reports
- Planned Development
- Acauisition

Captain Jeff Penfield, USN

Deputy PM for Systems Development, F/A-18 Strike Fighter Naval Air Systems Command

9.00 Super Hornet: An International Program

Foreign customers: Canada, Australia, Finland, Kuwait, Malaysia, Spain and Switzerland

Additional customers that may be added Captain James G. Wallace, USN

Director of International Programs, PMA-265

Morning Refreshment Break 9:45

10:15 Aging Aircraft Issues

 Costs of aging platforms and weapons systems Supporting legacy platforms

Robert Ernst

Head, Aging Aircraft Integrated Product Team, NAVAIR Chairman, Joint Council on Aging Aircraft

11:00 Small Diameter Bomb: In the Home Stretch

SDB Update Colonel Richard D. Justice, USAF Commander, Miniature Munitions Systems Group Air-to-Ground Munitions Systems Wing

11:45 Luncheon For Speakers and Attendees

12:45 JDAM

JDAM: Providing the warfighter with an all-weather, near-precision bombing capability

Lieutenant Colonel Rich Hyde, USAF

JDAM Program Manager

1:30 USAF: Fighter Attack Wing

 Delivering integrated capabilities to the Air Force and allies
Summary of upgrades for F-15, F-16, A-10, JHMCS **Colonel Mike Williams, USAF**

Commander

Fighter Attack Systems Wing

F-16 2:15

 Status of the world's most popular multi-role fighter Capability upgrades for USAF Block 40/50, New generation Block 50/52 and Block 60

Colonel Scott Jansson, USAF Commander F-16 Systems Group

3:00 Afternoon Refreshment Break

3:30 F-15

- Update on most successful air superiority fighter
- Weapon system modernization efforts
- Active Electronically Scanned Array (AESA) radar

Mr. George Spencer, USAF Director

F-15 Systems Group

China's New Combat Air Forces: Fighters, Attackers 4:15 and Defenders

- China's new developing offensive combat doctrine Shift to 4th and 5th generation capabilities
- New enablers in C4ISR
- Russian trade in transition
- Shenyang programs Chengdu programs
- Xian programs
- Future power projection
- New advanced defenses

Richard D. Fisher, Jr.

Vice President, International Assessment and Strategy Cente

Conclusion of Day One 5:00

MAIN CONFERENCE DAY TWO FRIDAY, NOVEMBER 18, 2005

Continental Breakfast & Registration 7:30

8:15 Joint Mission Capability Packages

- Joint MCPs: How U.S. military forces could prepare for combat and fight in the future
- Air Force and Army prototype force package, consisting of F-16 fighter aircraft and Stryker ground vehicles
- ACC's Joint Strike Fighter office and efforts to achieve interoperability with the Army's Future Combat System

Colonel Louis M. Durkac, USAF

Assistant Director of Requirements

Air Combat Command

9:00 Joint Strike Fighter Propulsion

- Status of the overall program and engine work that lies ahead
- F135 and F136 propulsion system testing

Mr. Rob Burnes, USN

Director

F-35 Joint Strike Fighter Propulsion Directorate

9:45 **Morning Refreshment Break**

10:15 Agile Combat Support (ACS) Systems Wing

Developing, acquiring, fielding and modernizing capabilities

Support for life cycle management

Colonel Bruce A. Litchfield, USAF Commander

Agile Combat Support Systems Wing

11:00 F-117A Nighthawk • Survivability

- Reliability Flexibility
- **OIF** Performance

Lieutenant Colonel Joel C. Rush, USAF 7th Fleet Squadron Director of Operations

11:45 Luncheon For Speakers and Attendees

12:45 F/A-22

- Capabilities
- Sustainment Modernization
- Colonel Jimmy R. Clark, USAF

Chief F/A-22 System Management Organization

1:30 F/A-22 Sustainment

- Suitability
- Supportability

Colonel (Sel.) Robert K. Barry, USAF Chief, F/A-22 Sustainment Division

2:15 **Afternoon Refreshment Break**

- Advances in US Navy Assault/Strike Aircraft Directional 2:30 Infrared Countermeasures (DIRCM)
- Evaluating the suitability of 2nd generation DIRCM systems for USN F/A-18E/F Strike Fighter aircraft and developing a fully operational DIRCM system from the AIM-9x missile seeker head
- FY08 Navy Strike DIRCM system: How the Navy plans to capitalize on the early operational assessment program to finalize development and field a podded 2nd generation DIRCM system for F/A-18E/F

Captain (Sel.) Bill Chubb, USN

Commanding Officer Air Test and Evaluation Squadron Three One (VX-31)

3:15 **CONCLUSION OF DAY TWO**

10

FIGHTER JET • November 16-18, 2005 • Washington, DC

SPONSORSHIP and EXHIBITION OPPORTUNITIES

WHY SPONSOR OR EXHIBIT IDGA'S FIGHTER JET?

IDGA Sponsorships and Exhibits are an excellent opportunity for your company to showcase its products and services to a highly targeted, seniorlevel military audience. IDGA helps companies achieve sales, marketing and branding objectives by setting aside a limited number of event sponsorships and exhibit places - all of which are custom-tailored to help your company maximize its exposure at the event and reach key decision makers in your field.

WHAT TYPE OF EXPOSURE CAN MY COMPANY HAVE AT IDGA EVENTS?

IDGA prides itself on creating sponsorship and exhibit opportunities that fit your company's specific sales, marketing and branding needs. In order to maximize your organization's exposure at the event an IDGA representative will work with you to create a custom tailored package for your company that will have the greatest impact on your target audience.

Below you'll find just a few of IDGA's most popular sponsorship packages - all of which include a specific number of delegate passes, exhibition booth and a direct marketing campaign specifically targeting your clients and prospects.

Title Sponsor	Co-Sponsor	Registration Sponsor	Luncheon Sponsor	Cocktail Reception(s)	Refreshment Break(s)
Internet Café	CD Roms	Workshop Sponsorship	Conference Workbook	Welcome Packs	Collateral Package Sponsorships

EXHIBITION FLOOR PLAN

Exhibit booth location is based on two factors - the type of sponsorship package your organization chooses and the date of sponsorship/exhibit registration. Reserve your space today to ensure you get the booth location of your choice.

MORE INFORMATION

To learn more about these and other marketing opportunities please call **Shannon Forrester** at **212-885-2719** or via email at sponsorship@idga.com.

Register by Phone, Fax or Online

Web site: www.idga.org

- Phone: 1-800-882-8684 or 973-256-0211
- Fax: 973-256-0205 24 Hours A Day
- Mail: Institute for Defense & Government Advancement 555 Route 1 South, Iselin, NJ 08830

Important! To speed registration, provide the customer registration code located on the back page — even if it is not addressed to you!

Conference Pricing	
2-Day Conference	\$999
Pre-Conference Workshop Day (Includes all 3 workshops)	\$500

Only one discount may be applied per registrant - please call 1-800-882-8684 for more details.

MAKE CHECKS PAYABLE IN U.S. DOLLARS TO: IDGA

* CT residents or people employed in the state of CT must add 6% sales tax.

Details for making payment via EFT or wire transfer:

JPMorgan Chase Penton Learning Systems LLC dba IQPC: 957-097239 ABA/Routing #: 021000021

Reference: Please include the name of the attendee(s) and the event number: 2379.01

Payment Policy: Payment is due in full at the time of registration and includes lunches, refreshments and detailed conference materials. Your registration will not be confirmed until payment is received and may be subject to cancellation.

IDGA Cancellation, Postponement and Substitution Policy: You may substitute delegates at any time. IDGA does not provide refunds for cancellations. For cancellations received in writing more than seven (7) days prior to the conference you will receive a 100% credit to be used at another IDGA conference for up to one year from the date of issuance. For cancellations received seven (7) days or less prior to an event (including day 7), no credit will be issued. In the event that IDGA cancels an event, delegate payments at the date of cancellation will be credited to a future IDGA event. This credit will be available for up to one year from the date of issuance. In the event that IDGA postpones an event, delegate payments at the postponement date will be credited towards the rescheduled date. If the delegate is unable to attend the rescheduled event, the delegate will receive a 100% credit representing payments made towards a future IDGA event. This credit will be available for up to one year from the date of issuance. No refunds will be available for cancellations or postponements. IDGA is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. IDGA shall assume no liability whatsoever in the event this conference is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable or impossible. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labor strike, extreme weather or other emergency. Please note that speakers and topics were confirmed at the time of publishing, however, circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. As such, IDGA reserves the right to alter or modify the advertised speakers and/or topics if necessary. Any substitutions or alterations will be updated on our web page as soon as possible.

VENUE

GEORGETOWN UNIVERSITY CONFERENCE CENTER 3800 Reservoir Road, N.W., Washington, DC 20057 Phone: (202) 687-3240 • Fax: (202) 687-3291

Please Note: The Georgetown Conference Center is located behind the Georgetown University Hospital and is not easily visible from Reservoir Road. Visit IDGA.org for detailed directions or call the hotel.

Parking: The Georgetown Conference Center does not validate parking passes. Parking in the adjacent garage is \$25 per day.

Lodging: To secure reduced rates, please call the hotel at least 4 weeks prior to the conference and be sure to mention our conference name.

Note: call hotel for directions or transportation suggestions.

 $\label{eq:special Dietary Needs: If you have a dietary restriction, please contact Customer Service at 1-800-882-8684 to discuss your specific needs.$

©2005 IDGA. All Rights Reserved. The format, design, content and arrangement of this brochure constitute a trademark of IDGA. Unauthorized reproduction will be actionable under the Lanham Act and common law principles.

FIGHTER JET • November 16-18, 2005 • Washington, DC

REGISTRATION CARD

□ YES! Please Register me for

cighterJet

- □ Conference Plus Workshop Day
- $\hfill\square$ Conference Only
- Workshop Day Only

See Page 7 for pricing details.

Your custom	er registration code is:					
When registering, p	lease provide the code above.					
Name						
City	State Zipcode					
Phone	Fax					
E-Mail						
Please keep me informed via ema	ail about this and other related events.					
Check enclosed for \$	(Payable in U.S. Dollars to IDGA)					
Charge CAMEX Visa C	Master Card					
Card #	Exp Date:/					
Details for melting assument via FFT an	when the set of the found on an endland and					

Details for making payment via EFT or wire transfer can be found on preceeding page. I cannot attend, but please keep me informed of all future events. Institute for Defense & Government Advancement 535 5th Avenue, 8th Floor New York, NY 10017

4 EASY WAYS TO REGISTER:

1) Web: www.idga.org

2 Call: 1-800-882-8684 or 1-973-256-0211

3 Fax: 1-973-256-0205

4 Mail: IDGA: 555 Route 1 South, Iselin, NJ 08830

REGISTER TODAY BY CALLING 1-800-882-8684 OR VISIT WWW.IDGA.ORG

2379.01/D/SM

