

4th Annual Systems Engineering Conference



Strategies for Supportability and Interoperability

Marriott-Quorum
Dallas, TX
October 22-25, 2001
Event # 2870

Sponsored by



In conjunction with
The Department of Defense
OUSD (AT&L)

With Technical Co-Sponsorship by
International Council on Systems Engineering
(INCOSE)

Announcement

A major conference on Systems Engineering with focus on achieving Supportability and Interoperability of future and current DoD Weapon Systems, and reducing Total Ownership Costs, will be convened in Dallas, Texas, October 22-25, 2001 under the auspices of the National Defense Industrial Association's Systems Engineering Committee in conjunction with the Director, Interoperability, Office of the Under Secretary of Defense, Acquisition, Technology and Logistics (AT&L), and with technical co-sponsorship by the International Council on Systems Engineering (INCOSE).

Background

The ability to deal with modern military threats can only be realized if our weapon systems, including space-based and information systems, can achieve and sustain a high degree of Interoperability, Readiness, and Availability. Reducing Total Ownership Cost (RTOC) continues to be a key objective of the Department of Defense (DoD) as weapon system lifecycles are extended and operation and support costs dominate the budget. We believe that the greatest opportunity to achieve these objectives for new and legacy systems is through a robust Systems Engineering methodology and process. The Systems Engineering Conference is an annual event targeted at exploring this relationship and developing the know-how to achieve these often conflicting goals.

Conference Objectives

This Conference seeks to create a forum for Program Managers, Systems Engineers, Chief Scientists, and Engineers and Managers from the Design, Verification, Support and Logistics communities from both Government and Industry. The conference will provide the opportunity to shape policy and procedures by exchanging innovative tactics and lessons learned in advancing the Revolution in Business Affairs to achieve the following objectives:

- Reduce Total Ownership Cost (RTOC)
- Improve Cycle Times for Design, Manufacture and Repair Processes
- Achieve Increased Interoperability through Systems Engineering
- Integrate Systems Engineering, Test, Maintenance, Diagnostic and Supportability Disciplines
- Sustainment and Upgrade of Legacy Systems
- Application of industry "best practices," tools, methodologies and technologies.
- Improve Systems Engineering Concepts & Practices
- Application of DoD Initiatives:
 - Acquisition Reform
 - Civil-Military Integration
 - Performance-Based Business Environment (PBBE)
 - Elimination of MIL-SPECS/STDS
 - COTS Integration
 - Open Systems & JTA
 - Integrated Product and Process Development (IPPD)
 - Simulation-Based Acquisition (SBA)
 - Capability Maturity Model Integration (CMMI)
 - Global Information Grid (GIG)
 - Integrated Risk Management

Agenda

Monday, October 22, 2001

8:00am - 4:00pm	Golf Tournament
Noon - 4:00pm	Display Set-Up
Noon - 7:00pm	Registration
5:30pm - 7:00pm	Light Reception in Display Area

Tuesday, October 23, 2001

7:30am - 8:30am	Registration/Continental Breakfast	
8:30am - 8:35am	NDIA Welcome	Mr. Sam Campagna Director, Operations, NDIA
8:35am - 8:45am	Opening Remarks	Mr. Bob Rassa Director, System Supportability, Raytheon; Chair Systems Engineering Committee, NDIA
8:45am - 9:30am	Keynote	Dr. V. Garber Director, Interoperability, Office of the Under Secretary of Defense (AT&L)

9:30am - 10:00am

Break in Display Area

10:00am - Noon

Session A2a: Plenary

Panel Chair

Mr. Mark Schaeffer

Deputy Director, Operations, DARPA

This DoD Executive Session will provide OSD and Service views of Systems Engineering issues facing the military, and will offer some challenges to Industry for discussion and comment. This will include topics such as Interoperability, Support Costs, and other significant issues.

PANEL

Mr. Mark Wilson, Technical Director, USAF-AFSC/EN

Mr. Steve Bonwich, Executive Director for Logistics, Maintenance & Industrial Operations, NAVSEA

Mr. Hank Dubin, USA, Director, Assessment & Evaluation

Mr. John Osterholz, Director, Architecture & Interoperability, OASD(C3I)

Brig Gen Charles Croom, USAF (Joint Staff), Vice Director, J6 for C4 Systems (*Invited*)

Mr. Allen Adler, Director, Tactical Technology Office, DARPA

Noon - 1:30pm

Lunch

Luncheon Speaker

Dr. Patricia Sanders, Deputy for Test, Simulation & Evaluation, Ballistic Missile Defense Organization

1:30pm - 3:00pm

Session A3a: Systems Engineering

Session Co-Chairs

Mr. Gordon Neary, Boeing

Dr. Dinesh Verma, Stevens Institute

An Integrated and Synergistic Systems Analysis Approach: Ms. Gloria B. Isler, Lockheed Martin Information Systems

Early Insertion of Systems Engineering Processes into Embryonic Project Formulation: Mr. Michael Alexander, NASA-Langley Research Center

Product Definition and SE Processes: Mr. Chas Gebhard; Mr. Gary Van Oss, Wright-Patterson AFB

Session A3b: Software Supportability

Session Chair

Mr. Clay Mims, USAF

Software Reliability Engineering: Mr. William Boylan, SAIC

CI/NDI (COTS) Software Supportability: Mr. Mukesh Patel; Mr. Gareth Christain, Lockheed Martin Naval Electronics & Surveillance System

**Session A3c: Joint Distributed Engineering Plant (JDEP)
Update and Roundtable Discussion of Industry Role**

Session Chairs

Dr. Judith Dahmann, Scientific Advisor to Director, Interoperability, OSD/AT&L and Senior Principle Scientist, MITRE Corp.

Mr. Steve Bridges, Chief Scientist, Joint Interoperability Test Command

This session will present an update on the JDEP initiative including a summary of the major activities during FY01, the proof of principle start-up period, the strategy adopted for JDEP implementation and the new management structure and concept of operation for the program under the strategy. Subsequent discussion will focus on industry input on the effort and suggestions for roles for industry in JDEP.

3:00pm - 3:30pm

Break in Display Area

3:30pm - 5:30pm

Session A4a: Systems Engineering

Session Co-Chairs

Mr. Gordon Neary, Boeing

Dr. Dinesh Verma, Stevens Institute

Comprehensive Supportability Requires a Strong Systems Engineering Infrastructure: Mr. Tom Nondorf, Boeing Aircraft & Missile Systems

New DoD 5000 Series Policies: Mr. Ric Sylvester, Office of the Deputy Under Secretary of Defense (Systems Acquisition)

Applying CMMI at Boeing Aircraft & Missiles: Mr. Bill Schoening, Boeing Aircraft & Missile Systems

Hardware & Software Solution for Complex Electronics Designs: Mr. Benn Amar, Gidel LTD

Session A4b: Acquisition Logistics

Session Co-Chairs

Ms. Suzanne Schwitalla, UDLP
Mr. Randy Fowler, ODUSD(LM&R)/LPP

System Operational Effectiveness: Assessment of “Cause-And-Effect” Dependency between System Design & Support: Dr. Dinesh Verma, Stevens Institute

Can DoD Employees be “Partisan” for a Contractor? PM Aerial Common Sensor’s Experience with Program Liasons: Mr. Tom Herron, ACS Logistics/PMSW, Ft. Monmouth

Automating Logistics Support via a Wireless and Satellite Infrastructure: Ms. Pat Summers, Raytheon Company

Federal Logistics Information System (FLIS), The Heart of Logistics Information: Ms. Laurie Ressler; Mr. Jack Hunn, Defense Logistics Agency

Session A4c: Joint Distributed Engineering Plant (JDEP) Update and Roundtable Discussion of Industry Role (Continued)

5:30pm - 7:00pm

Reception in Display Area

Wednesday, October 24, 2001

7:00am - 8:00am

Registration/Continental Breakfast

8:00am - 9:45am

Session B1a: Interoperability

Session Co-Chairs

Ms. Robin Quinlan, OSD
Lt Gen Tom Ferguson, USAF (Ret),
Dayton Aerospace

Joint Synthetic Battlespace: Applying Simulation to Acquisition, Mission Effectiveness, and Course of Action Analysis: Col Phil Faye, USAF; Maj Emily Andrew, USAF; Maj Jayson Lee, USAF, ESC, Hanscom AFB

The Joint Strike Fighter’s Role in Interoperability: Ms. Rhonda Schuetz, Boeing

System of Systems Interoperability: The Systems Engineering Dilemmas: Mr. Richard Eilers, CSC; Mr. Kenneth Meyers, Lockheed Martin; Mr. Lawrence Pohlman, INCOSE

Session B1b: Systems Engineering

Session Co-Chairs

Mr. Gordon Neary, Boeing
Dr. Dinesh Verma, Stevens Institute

A Practical Methodology For R&M Tool Selection: Mr. Keith Janasak; Mr. Patrick McGaugh, Raytheon Electronic Systems

Improving System Requirements Quality Through Application of an Operational Concept Process: An Essential Element in System Sustainment: Mr. Stephen Kuehl, Raytheon Technical Services Company

It All Begins With Good Requirements: Ms. Ivy Hooks, Compliance Automation, Inc.

Session B1c: Test & Evaluation

Session Chair

Mr. Jesse McCurdy, NAVAIR

Virtual Reality: The Use of High Fidelity Modeling, Simulation, and Analysis to Support USAF T&E: Mr. Tim Menke, ASC, Wright-Patterson AFB

Collaborative and Distributed Technologies for System-of-Systems Development and Testing: The Interoperability Infrastructure: Mr. George Rumford, U.S. Army White Sands Missile Range; Mr. Gerard Desrosiers, Naval Undersea Warfare Center; Mr. Gerald Santos, Scientific Solutions Inc.

Progressive T&E and The Virtual Missile Range: Mr. Tom Rozanski, NAVAIR

9:45am - 10:15am

Break in Display Area

10:15am - Noon

Session B2a: Interoperability Panel

Panel Co-Chairs

Ms. Robin Quinlan, OSD
LT Gen Tom Ferguson, USAF (Ret),
Dayton Aerospace

This Panel will explore and discuss Interoperability as applied to modern warfighting systems. It will look at requirements, implementation & test, from both an acquisition and user perspective.

PANEL

Mr. Jack Zavin, Chief, Information Interoperability, Office of the DoD Chief Information Officer
CDR Joe Giaquinto, USN, Branch Head, SIAP Systems Engineering Task Force Analysis
CAPT Alexander Urritia, USN, Deputy Director of Joint Interoperability & Integration
JI&I, U.S. Joint Forces Command/J86
Mr. George Wauer, Deputy Director, Strategic & C3I Systems, Director, Operational
Test & Evaluation
Col William Febuary, USMC, Division Chief, Interoperability Division, Joint Staff/J6
Lt Gen Tom Ferguson, USAF (Ret), Senior Associate, Dayton Aerospace

Session B2b: Supportability, Affordable Readiness & RTOC

Session Chair

Ms. Suzanne Schwitalla, UDLP

USAF Corrosion Preventive Reduced Total Ownership Cost: Mr. David H. Horne, Hill AFB

Joint Strike Fighter Autonomic Logistics: Capt. Simon Henley, UK Royal Navy, Joint Strike Fighter
Program Office

Modernizing Global Logistics: A Case Study Involving the Army's T700 Engine:

Mr. Jim Carter, Aviation & Missile Command; Ms. Julie Gauldin; Mr. Marshall Smith, Clockwork Solutions,
Inc.

Session B2c: Test & Evaluation

Session Chair

Mr. Jesse McCurdy, NAVAIR

Joint ADF/USAF H-60 Flight Strain Survey: Mr. Jim Sawinski, WR-ALC, Robins AFB; Mr. Charlie
Crawford, Georgia Tech Research Institute; Dr. Tom Christian, WR-ALC, Robins AFB

F/A 18 Automatic Carrier Landing Using Shipboard Relative GPS: Mr. Paul Sousa; Mr. Lee
Wellons, NAVAIR Aircraft Division, Patuxent River, Mr. John Weir, J F Taylor Inc

Systems Engineering on Airborne Icing Tanker Development at Air Force Flight Test Center:
Mr. Saul Ortigoza, USAF, AFFTC

Noon - 1:30pm

Lunch

Luncheon Speaker

Maj Gen Dennis Haines, USAF, Commander,
Warner Robins Air Logistics Center (*Invited*)

1:30pm - 3:00pm

Session B3a: Integrated Diagnostics

Session Co-Chairs

Mr. Howard Savage, SCI
Mr. Dennis Hecht, Boeing

A System Approach to Machinery Condition Monitoring and Diagnostic: Mr. Harold Nelson,
Lockheed Martin Information Systems; Dr. Troy Nguyen, Ship Automation Systems

Electrical Signature Analysis of C-141 Fuel Boost Pumps: Mr. Don Welch, Oak Ridge National
Laboratory

A USN Diagnostic and Prognostic Development Strategy for Propulsion and Mechanical Systems: Mr.
Andrew Hess; Mr. William Hardman; Ms. Becky Ahne, Naval Air Warfare Center Aircraft Division, Patuxent
River

Session B3b: Supportability, Affordable Readiness & RTOC

Session Chair

Ms. Suzanne Schwitalla, UDLP

Integrated Risk Management: Bridging the Gap Between Acquisition and Sustainment:
Mr. Wayne Ayer, WR-ALC/PKA, Robins AFB

Updating Maintenance Practices at USAF - The Maintenance Engineering IPT: Mr. Allen
Gotwald, AFMC/ENPM, Wright-Patterson AFB

Sustainment Engineering for New Designs: Mr. Ron Levin, Raytheon Technical Services Company

Session B3c: Simulation-Based Acquisition

Session Co-Chairs
Col Phil Faye, USAF

Visualizing Airborne GPS Receiver Performance via Simulation 3-Dimensional Visualization and Blanking Tool (3D-VBT): Mr. Donald M. McDowell, JSSMO, WR-ALC; Mr. Mike Chaloupka, Control Systems Research, Inc.

System of Systems Integration (SoSI) - A Collaborative Virtual Environment for C412WS Development: Mr. Richard Pei, CECOM RDEC

Crew Optimization in a Micro Saint Simulation of DD-21: Mr. Jon French, Microanalysis and Design

3:00pm - 3:30pm

Break in Display Area

3:30pm - 5:00pm

Session B4a: Integrated Diagnostics

Session Co-Chairs
Mr. Howard Savage, SCI
Mr. Dennis Hecht, Boeing

CENSE Program for Engine Diagnostics: Mr. Gregory Greathouse, Cummins, Inc.

JSF Prognostics and Health Management: Mr. Andy Hess, NAVAIR, Patuxent River

Using Voice Recognition at Point of Maintenance: Mr. Greg Greening, Boeing

3:30pm - 5:30pm

Session B4b: Supportability, Affordable Readiness & RTOC

Session Chair
Ms. Suzanne Schwitalla, UDLP

Tolerance-Based Simulations & Automatic FMEA Generation in Military Aircraft Elevators: Dr. Karin Lunded; Dr. Bernhard Hoefig; Dr. Werner Siebold, R.O.S.E. Informatik GmbH

Acquisition Logistics for Fleet Support: Mr. Tommy Walker Jr., NAVSEA

Distance Support Tools for Maintaining Fleet Readiness: Mr. Craig Brandenburg, NAVSEA

COTS Integration and Support: Mr. Craig Brandenburg, NAVSEA

3:30pm - 5:30pm

Session B4c: Simulation-Based Acquisition

Session Co-Chairs
Col Phil Faye, USAF

U.S. Army STRICOM SBA Support For The Future Combat Systems: Mr. Doug Parsons; Mr. Hoang-Oanh Tran, U.S. Army STRICOM

Applying Simulation Based Research and Development: Ms. Cynthia Ballard; Mr. Floyd Johnson; Mr. John Perdzok; Mr. James Zeh, AFRL, Wright-Patterson AFB

Joint Advanced Acquisition Concepts Study: CAPT James W. Hollenbach, USN (Ret), Simulation Strategies, Inc.

Design of Experiments in Simulation-Based Acquisition: Ms. Nancy Gould, Naval Air Warfare Center Aircraft Division, Patuxent River

Thursday, October 25, 2001

7:00am - 8:00am

Registration/Continental Breakfast

8:00am - 9:45am

Session C1a: Standards

Session Chair
Mr. Paul Croll, CSC

Five Critical Issues in CMMI Application: Dr. Richard Waina, P.E., Multi-Dimensional Maturity

Systems Analysis and Design for the Interoperability of Military Flight Simulation Programs: Mr. John Hucks, L-3 Communications Corporation

Scale & Scope Implication for CMMI: Mr. Rick Hefner; Mr. Fred Manthey, TRW

Session C1b: Legacy Systems Sustainment

Session Chair

Mr. Joel Moorvitch, Raytheon

DoD Diminishing Manufacturing Sources (DMS) Initiatives: Mr. Douglas Casanova, Defense Microelectronics Activity

Microcircuit Emulation - A Technology Solution: Mr. James Crabbe, Sarnoff Corporation

Maintenance Initiatives for Legacy Systems: Mr. Joel Moorvitch, Raytheon

Session C1c: Acquisition Logistics Panel

Panel Chair

Mr. Randy Fowler, ODUSD(L&MR)/LPP

Integrated and effective logistics support is a key principle underlying the most recent DoD 5000 Defense Acquisition System policy revision. This panel will focus on the policies, procedures, implementing initiatives, and issues associated with moving toward performance based acquisition and logistics approaches.

PANEL

Mr. Randy Fowler, Senior Analyst, ODUSD(L&MR)/LPP

Ms. Amy Barnett, Close Combat Missile Systems Project Office

Mr. Todd Mellon, Director of Logistics, F/A-18 E/F, Naval Air Systems Command

Dr. Marianne Pietras, Independent Consultant

9:45am - 10:15am

Break in Display Area

10:15am - Noon

Session C2a: Best Practices and Standardization

Session Chair

Mr. Paul Croll, CSC

A Common Picture of Systems Integrity: Mr. Paul Croll, CSC

An Overview of CMMI Appraisal Methodology: Dr. Rick Hefner, TRW; Mr. Geoff Draper, Harris Corp

Session C2a: Operational Security

Session Chair

Mr. Paul Croll, CSC

Managing Vulnerabilities in Your Networked Systems Using an Industry Standards Effort: Mr. Robert Martin, MITRE Corp.

Session C2b: Legacy Systems Sustainment

Session Chair

Mr. Joel Moorvitch, Raytheon

Electric Bomb Fuzing Instrumentation System Test Program on the F/A-18A Aircraft: Mr. Travis Brown, Naval Air Systems Command, Patuxent River

Naval Aviation Challenge: Sustaining Yesterday's Fleet While Building Tomorrow's: Mr. Bob Ernst, NAVAIR

S-3 Flight Data Computer Replacement: Mr. Brandon Munday, NAVAIR

Session C2c: Acquisition Logistics

Session Chair

Ms. Suzanne Schwitalla, UDLP

OSD Overview on Acquisition Logistics: Mr. Jerry Beck, ODUSD(L&MR)/LPP

APU Total Logistics Support Partnership Between the U.S. Navy and Honeywell Corp: Mr. Gerry Tonoff, NAVICP; Mr. Mike Marinshaw, Honeywell

Alternative Logistics Solutions: Mr. Bob Kennedy & Mr. Rick Massaro, NAVAIR

12:00pm

Conference Adjournment

Conference Registration

Payment must be received at the time of registration. Please complete the attached registration form and mail with your fee, payable to: **The National Defense Industrial Association (NDIA), Event #2870, 2111 Wilson Boulevard, Suite 400, Arlington, VA 22201-3061, tel: (703) 522-1820, fax: (703) 522-1885.** You may also telefax your registration form with your credit card number (Diners Club, Visa, Master Card, American Express), name, card expiration date and signature to NDIA at (703) 522-1885. You may not register over the phone.

The registration fees for the 2001 Systems Engineering Conference are as follows:

	Early (Before 9/21/01)	Regular (9/22-10/15/01)	On-Site (After 10/15/01)
Government/Allied Gov/Academia*	\$495.00	\$545.00	\$600.00
NDIA Member	\$590.00	\$650.00	\$715.00
NDIA Industry Non-Member**	\$640.00	\$705.00	\$775.00
Allied Industry Non-NDIA Member**	\$645.00	\$710.00	\$780.00

Registration fees include continental breakfast, receptions, lunches, coffee breaks and other logistical and administrative expenses. *The Government & Academia fee applies ONLY to Active Duty and Civil Service personnel with government identification cards, and employees of academic institutions. ** The Non-Member fee includes a one year individual membership to NDIA.

On-Line Registration

You may register on-line for this conference at <http://register.ndia.org/interview/register.ndia?~Brochure~2870>. You will receive an e-mailed confirmation after you use the **CONFIRM** button on the web page. You may also add yourself to various NDIA event mailing lists at the same site. On-line registration will close on October 15, 2001. Please register on-site after this date.

Refunds

Registrants who cannot attend the Systems Engineering Conference must provide a written notification to NDIA **before September 21, 2001 in order to avoid a cancellation fee. After this date there will be a \$75 cancellation fee and after October 15, 2001 no refunds will be given for any cancellations. Refunds will be processed after the conclusion of the conference.** *Substitutions are welcome in lieu of cancellation.*

Attendance Roster

An attendance roster will be distributed at the conference. Your registration form and payment must be received by October 12, 2001 to be included in the roster. An updated roster will NOT be printed after the conference.

Hotel Information

A block of rooms has been reserved at the Dallas Marriott Quorum, 14901 Dallas Parkway, Dallas, TX 75240, phone: (972) 687-7485, fax: (972) 687-7472. The rates are as follows: \$150/night for industry single/double and \$89/night for government single/double. In order to ensure the discounted NDIA rate please make reservations early and ask for the NDIA room block. Rooms will not be held after Monday, October 1, 2001 and may sell out before then. Rates are also subject to increase after this date. The government rate is available only to active duty or civilian government employees. ID will be required upon check-in. Retired military ID's are not acceptable. For hotel map and detailed directions, go to www.marriotthotels.com

Proceedings

The proceedings will be available on the web through the Defense Technical Information Center (DTIC). Proceedings should be available two to three weeks after the conference.

Special Needs

NDIA Supports the Americans with Disabilities Act of 1990. Attendees with special needs should call (703) 522-1820 prior to Monday, October 1, 2001.

Attire

Appropriate dress for this conference is business attire for civilian and class A uniform for military.

Directions

From Dallas/Fort Worth International (DFW) Airport: Take the north exit to I-635 East to the Dallas North Tollway to the Beltline Road exit. Make a U-turn and drive south on Dallas Parkway. The hotel is on the right.

Defense21.com

Defense21.com is a website produced by the National Defense Industrial Association (NDIA) dedicated to the promotion of corporate member companies. *The website will allow your company to showcase products and services to a highly-targeted audience and enhance corporate and product branding. This is a service provided free of charge to corporate member companies. If you are already a corporate member, E-mail webmaster@ndia.org to sign up for your Defense21.com listing.*

National Defense Magazine

Advertise in **National Defense** and increase your company's exposure at this conference! National Defense will be distributed to the attendees of this conference and all of NDIA's other conferences. For more information contact Dino Pignotti at Phone: (703) 247-2541, Fax: (703) 522-4602.

Inquiries

For more information regarding the conference contact Derek Jenks at (703) 247-2582 or via e-mail at djenks@ndia.org.

Conference Sponsorship Opportunities

Increase your company's or organization's exposure at this premier national-level Systems Engineering Conference by becoming a Corporate or Event Sponsor. For information please contact Sam Campagna at (703) 247-2544 or scampagna@ndia.org. A **Corporate Sponsorship (\$5,000)** will receive their company name on the back cover of the on-site brochure, main platform recognition throughout the conference, signage at all events including opening reception and a 250 word company advertisement in the conference agenda. **Event Sponsors (\$3,000)** will receive main platform recognition and signage at the sponsored event(s).

Display Information

All displays must be of the simple table top/pop-up style standards. Space per display shall be 10ft. wide by 6ft. deep. Minimal hardware to be utilized (computer systems for demonstration purposes are OK). No formal decorating company is involved. Companies should bring their own pop-up display panels and plan to do their own set-up. Standard 2.5 X 6ft. draped folding table and two chairs will be provided with each display space. Standard power outlet is available upon request. No other props or setups (pipe & drape, plants, etc.) are being utilized. Display are to be set up by 4:00 p.m. October 22, 2001 and should remain in place until 4:00 p.m. October 25, 2001. The cost for a display is \$675.00 (10 X 6 display space plus one conference registration). To register for a display download the registration form at <http://register.ndia.org/interview/register.ndia?~Brochure~2870> or contact Derek Jenks at (703) 247-2582 or djenks@ndia.org.

"The Department of Defense finds this event meets the minimum regulatory standards for attendance by DoD employees. This finding does not constitute a blanket approval or endorsement for attendance. Individual DoD Component commands or organizations are responsible for approving attendance of its DoD employees based on mission requirements and DoD regulations"

4th Annual Systems Engineering Conference

Golf Tournament - Monday, October 22, 2001

Join your fellow government and industry colleagues at the Coyote Ridge Golf Club, 1680 Bandera Drive, Carrollton, Texas 75010, for the first-ever Systems Engineering Conference golf scramble - a day of relaxation and fun. Registration and breakfast are at 8:00 a.m. with a shotgun start at 9:00 a.m.

Included in the fee are: A "Rise and Shine" continental breakfast, beverage cart service on the golf course, green and tournament fees, carts, contests (closest to pin, hole in one, and longest drive) and post tournament snacks. Corporate/Organizational hole sponsorship is encouraged. For Sponsorship information contact Sam Campagna at (703) 247-2544 or scampagna@ndia.org.

Payment In Full Must Accompany Registration. Payment may be made via a company or personal check (payable to NDIA Event #2870) or credit card information mailed to: NDIA, Attn: Sam Campagna, 2111 Wilson Boulevard, Suite 400, Arlington, Virginia 22201 or fax to (703) 522-1885 Attn: Sam Campagna. For additional information contact Derek Jenks at (703) 247-2582 or djenks@ndia.org.

GOLF TOURNAMENT REGISTRATION FORM

Name _____

Company/Organization _____

Complete Mailing Address _____

City _____ State _____ Zip _____

Phone _____ E-Mail _____

My handicap is _____. If you don't have a USGA handicap, what was your best score for 18 holes during the last 12 months? _____.

_____ The cost for the golf outing is \$100.00 per player, which includes all of the items mentioned above.

_____ Golf Hole Sponsorship \$125.00.

NDIA accepts VISA / Diners Club / Master Card / American Express

Credit Card Number _____

Expiration Date _____

Authorized Signature _____



Systems Engineering Conference

Event #2870

Dallas, TX

October 22 - 25, 2001

www.ndia.org, www.afei.org,
http://wid.ndia.org, www.trainingsystems.org,
www.defense21.com, www.defensejobs.com

NDIA Member Number _____ SSN (Last 4 Digits) _____ (optional)

Prefix (Mr./Ms./Dr./LTC/etc.) _____ First Name _____ Initial _____

Last Name _____ Military Affiliation _____ Nickname _____

Title _____ (For Badge)

Organization _____

Address _____ Building/Suite/Etc. _____

City _____ State _____ Zip Code _____

Country _____ Phone _____

E-mail _____ * Fax _____

Preferred Way to receive information:

- Conference Information, Etc.: [] Address Above [] Alternate (please provide address below)
Subscriptions: [] Address Above [] Alternate (please provide address below)

Address _____ Building/Suite/Etc. _____

City _____ State _____ Zip Code _____

Country _____ Phone _____

E-mail _____ * Fax _____

*Inclusion of your e-mail authorizes NDIA to send news and updates to you via e-mail. NDIA does not sell e-mail lists to vendors or other companies.

To help us better serve our customers. Please circle one from each category.

Primary Occupation

- A. Defense Business/Industry I. DoD/MOD Civilian
B. R&D Laboratories J. Gov't. Civilian/Non-DoD/MOD
C. Army K. Trade/Professional Assn.
D. Navy L. Educator
M. Professional Services
N. Non-Defense Business
O. Other _____

Job Function

- A. Management/Corporate I. Data Processing
B. Management/General J. Training/Simulation
C. Engineering/R&D K. Marketing/Sales
D. Engineering Support L. Professional
E. Procurement M. Education
F. Test/Evaluation N. Computer/Information
G. Production O. Other _____
H. Maintenance

REGISTRATION FEES: Table with columns: Early (Before 09/21/01), Regular (09/22/01 - 10/15/01), On-Site (After 10/15/01). Rows include U.S. Gov't/Academia/Allied Gov't, Industry NDIA Member, Industry Non-NDIA Member**, Allied Industry Non NDIA-Member**.

PAYMENT: [] Visa [] Diner's Club [] Traveler's Check
[] MC [] Cash [] Government PO/
[] Amex [] Check Training Form

Credit Card Number _____

Cancellations received before September 21, 2001 will receive a full refund. Cancellations received between September 22 and October 15, 2001 will receive a refund minus a \$75 fee. NO REFUNDS FOR CANCELLATIONS RECEIVED AFTER October 15, 2001. SUBSTITUTIONS ARE WELCOME!

Expiration Date: ___/___/___

**Registration fees for Non-NDIA members include a one year non-refundable NDIA membership. \$15.00 is for your subscription to National Defense magazine.

Signature _____

US GOVERNMENT & MILITARY

[] Yes! Begin my free one-year NDIA membership and National Defense magazine subscription. Sign below. (First time members only)

Signature _____ Date _____

QUESTIONS?

Meeting Planner: Derek Jenks, 703-247-2582
MAIL TO:NDIA, EVENT #2870, 2111 Wilson Blvd.,
Suite 400, Arlington, VA 22201-3061 FAX TO: 703-522-1885



2111 Wilson Blvd
Suite 400
Arlington, VA 22201-3061

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