



2009 DOD ENTERPRISE ARCHITECTURE CONFERENCE

Achieving an Information Advantage Through Architecture

JUNE 1-4, 2009

HILTON ST. LOUIS AT THE BALLPARK ► ST. LOUIS, MO

EVENT #9A05

TWITTER: #DODEA09

Welcome to the 4th annual DoD Enterprise Architecture Conference. I am excited to carry on a tradition begun by my predecessor in bringing together the thought leaders from the Department, and from our mission partners, to share experiences in the practice and application of architecture in delivering an information advantage. I am pleased to partner with USTRANSCOM in hosting this year's event and am grateful for both their assistance in planning as well as sharing their advances in architecture in support of their mission. I am also grateful for our partnership with AFEI over the past 3 years; they have been instrumental in bringing us industry experts that provide a perspective that many in our Department might not otherwise get to see.

While you are at the Conference, I urge you to take full advantage of all the experiences it affords. The presentations, tabletop displays, demos, and networking breaks are all designed to give you the best opportunity to walk away at the end of the week with a sense of personal growth. Our desire is that the dialogs begun here will carry on long after the Conference adjourns and that they will result in a better aligned Community of Practice. Thank you for attending and enjoy the Conference!

Brian Wilczynski
*Director, Enterprise Architecture & Standards
Office of the DoD CIO*

ENTERPRISE ARCHITECTURE: ACHIEVING AN INFORMATION ADVANTAGE THROUGH ARCHITECTURE

OVERVIEW

The focus of DoD Enterprise Architecture is to help lead DoD to achieve an information advantage for our people and mission partners. As DoD transforms to become a Net-Centric force, information becomes one of our greatest sources of power. Ensuring timely and trusted information is available where it is needed, when it is needed, and to those who need it, is at the heart of the future DoD enterprise and an effective, federated, and dynamic approach to architecture enables its achievement.

A fundamental attribute of our enterprises today is they are dynamic and becoming more so. The DoD net-centric data strategy - decoupling applications and data - combined with the emphasis on communities of interest and mission areas, point towards a future DoD enterprise composed of dynamic groups, forming, disbanding and re-forming as mission needs dictate. Architecture in this environment must be responsive, extremely agile, and able to cope with the unanticipated.

As we look ahead we need to think big, act small, scale and propagate our architectures. We must use architecture to prioritize our data strategy, develop a common taxonomy for COI's, express architecture dynamically, have effective governance (theater IT introductions), delineate types of federation, devise architecture development standards, develop the theory and practice of architecture, and promote common definitions for EA, SOA, PFM, federation, and governance.

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SCHEDULE AT A GLANCE:

Monday, June 1

7:00 AM	Golf
1:00 PM	Tutorial Session 1
3:15 PM	Tutorial Session 2

Tuesday, June 2

8:00 AM	Keynote Presentations
11:00 AM	DoD Policy Overview
NOON	Lunch
2:00 PM	USTRANSCOM
3:30 PM	DoD Enterprise Information Architecture
5:00 PM	Networking Social

Wednesday, June 3

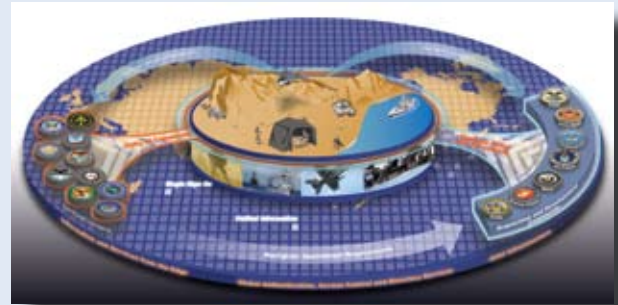
8:00 AM	GIG V2.0
9:00 AM	Partner Addresses
NOON	Lunch
2:00 PM	Featured Presentations
7:15 PM	Evening at the Ballpark

Thursday, June 4

8:00 AM	Capstone Presentation
9:00 AM	Partner Addresses
10:30 AM	Industry Capstone
NOON	Awards Lunch
2:00 PM	Featured Presentations
3:30 PM	Closing Remarks

THE MAIN THING

**“Lead the DoD
Enterprise to achieve an
information advantage
for our people and
mission partners”**



ABOUT THIS BOOK OVERVIEW

We are committed to providing exceptional value to you. This conference, in offering opportunities for involvement and impact between government and industry, promotes continued dialogue during the rest of the year. This guide book will help you get maximum benefit from attending this conference, and help you bridge the gap between your experience here and your daily work.

Researchers report that most people never look at their notes again. Our goal is to help you bridge the gap between the energy of a conference experience and the daily grind back at the office. This guidebook will help you manage your ideas and organize information, contacts, and thoughts. Upon returning home, you can use it to create value for your organization by acting on your ideas and the information you have collected here.

Use this Guidebook to...

- Help you find increased value in this conference.
- Capture important information for later retrieval and action.
- Record contacts made and reasons why they are important.
- Prioritize ideas and organize thoughts for presentation to colleagues, executives, and customers.
- Review important notes later to sustain momentum for implementation of ideas.

MONDAY, JUNE 1

NOON - 5:00 PM **REGISTRATION OPEN**

7:00 AM - 1:00 PM **GOLF TOURNAMENT**

Norman K. Probstein Golf Course

1:00 PM - 2:45 PM **TUTORIAL SESSION 1**

► *Data Architecture Registry System (DARS) Tutorial*

Mr. Walt Okon, Senior Enterprise Architect, Enterprise Architecture & Standards, Office of the DoD Chief Information Officer

Mr. Bruce Dunn, Technical Director, DARS Program, SPAWAR

Participants will gain an understanding of how DARS implements the Net-centric Data Strategy for the DoD architecture community and how to use all of DARS main features. Briefings and demonstrations will cover how to establish and manage DARS communities of practice and how to register, post, release and search for architectures. New user interface features and plans for future upgrades will also be presented. The DARS Team technical staff will be on hand to answer questions and collect feedback from participants that will help to shape future plans for DARS.

► *DoDAF Meta-model Walkthrough*

Mr. Dave McDaniel, President, Silver Bullet Solutions, Inc.

The DoDAF Meta-model uses a single exemplar which provides an in-depth review of the Meta-model and the meta data groups along with their relationships to the data. Discussions will include the Meta-model foundation, how to model processes, services (business, web, SOA), and Capability and Activity performers.

2:45 PM - 3:15 PM **NETWORKING BREAK**

3:15 PM - 5:00 PM **TUTORIAL SESSION 2**

► *NDU IRM College Tutorial: Federal Segment Architecture Methodology*

Dr. Stan Boddie, Professor, National Defense University

Mr. Matt Newman, Professor, National Defense University

Participants review the value enterprise architecture delivers to Department of Defense warfighter and supporting operations, followed by a general overview of an enterprise architecture structure. Next, participants are introduced to an overview of the recently published Federal Segment Architecture Methodology (FSAM) and implications for the DoD.

The session will also explore the five (5) step FSAM, key FSAM work-products, and the FSAM relationship to the DoDAF. Participants will further explore potential impacts of FSAM to OMB reporting requirements. The tutorial concludes with an overview of the IRM College's recently revised EA Certificate Program.

► *DoDAF Meta-model Walkthrough*

Repeat of the first session

TUESDAY, JUNE 2

7:00 AM - 5:00 PM **REGISTRATION OPEN**

9:45 AM - 7:00 PM **EXHIBITS OPEN**

8:00 AM **POSTING OF THE COLORS AND WELCOME**

- ▶ *Mr. David Chesebrough*, President, The Association for Enterprise Information
- ▶ *Mr. Brian Wilczynski*, Director, Enterprise Architecture & Standards, Office of the DoD Chief Information Officer

8:15 AM - 9:45 AM **KEYNOTE ADDRESSES**

- ▶ *Brig Gen Rick Dinkins*, USAF, Director of Command, Control, Communications and Computer Systems, USTRANSCOM
- ▶ *Mr. David Wennergren*, Deputy CIO, DoD

9:45 AM - 10:15 AM **NETWORKING BREAK**

10:15 AM - 11:00 AM **INDUSTRY KEYNOTE**

- ▶ *Ms. Anne Thomas Manes*, Vice President and Research Director, Burton Group Consulting

11:00 AM - NOON **DOD ARCHITECTURE - OVERVIEW OF POLICY,
STANDARDS AND GOVERNANCE**

- ▶ *Mr. Brian Wilczynski*, Director, Enterprise Architecture & Standards, Office of the DoD Chief Information Officer

NOON - 1:30 PM **LUNCHEON - IDENTITY MANAGEMENT AND EA**

- ▶ *Mr. David Chesebrough*, President, The Association for Enterprise Information

2:00 PM - 3:00 PM **TRANSCOM JOINT DEPLOYMENT & DISTRIBUTION ARCHITECTURE**

- ▶ *Mr. Robert Osborn*, Deputy Director, Distribution Portfolio Management, USTRANSCOM

3:00 PM - 3:30 PM **NETWORKING BREAK**

3:30 PM - 4:15 PM **DOD INFORMATION ENTERPRISE ARCHITECTURE**

- ▶ *Mr. Terry Hagle*, Senior Enterprise Architect, Enterprise Architecture & Standards, Office of the DoD Chief Information Officer

4:15 PM - 5:00 PM **INFORMATION ENTERPRISE TRANSITION PLAN**

- ▶ *Mr. Lloyd Thrower*, Director, DoD CIO Strategic Planning and Policy Directorate, Office of the DoD Chief Information Officer

5:00 PM - 7:00 PM **GATEWAY TO ARCHITECTURE RECEPTION**



WEDNESDAY, JUNE 3

8:00 AM - 5:00 PM **REGISTRATION OPEN**

7:30 AM - 5:00 PM **EXHIBITS OPEN**

8:00 AM - 9:00 AM **GIG V2.0 AND ARCHITECTURE**

- ▶ *Maj. Gen. Michael Basla*, USAF, Vice Director, C4, Joint Staff

9:00 AM - 10:00 AM **JOINT ARCHITECTURE FEDERATION - REALIZING THE VISION OF LEADER-CENTRIC, NET-ENABLED COMMAND AND CONTROL (C2)**

- ▶ *Mr. Martin Westphal*, Executive Director, Joint Capabilities Development Directorate Forward, JFCOM
- ▶ *Ms. Kim Frisby*, Chief of Joint Architecture and Capability Engineering Division, JFCOM

10:00 AM - 10:30 AM **NETWORKING BREAK**

10:30 AM - 11:15 AM **ARCHITECTURE IN THE INTELLIGENCE COMMUNITY**

- ▶ *Mr. Doug McGovern*, Chief Architect, DNI

11:15 AM - NOON **ARMY ARCHITECTURE INITIATIVES**

- ▶ *Mr. Ronald Bechtold*, Director, Army Enterprise Architecture, Chief Information Office/G-6, USA

NOON - 1:30 PM **LUNCHEON - SPONSORED BY QINETIQ**

- ▶ *Mr. Richard Tirrell*, Principal Engineer, IT Services Group, QinetiQ North America



2:00 PM - 2:45 PM **HOMELAND DEFENSE AND CIVIL SUPPORT (HD/CS) CAPABILITIES BASED ASSESSMENT (CBA) ARCHITECTURE**

- ▶ *Col Jimmie D. Schuman, Jr.*, USAF, Lead, HD/CS CBA Architecture Team, USNORTHCOM
- ▶ *Mr. Guy Varland*, Contractor Architecture Lead, USNORTHCOM

2:45 PM - 3:30 PM **AIR FORCE ARCHITECTING: BEYOND FEDERATION**

- ▶ *Lt Col Eric Silbaugh*, Chief, Enterprise Architecture Strategy, Policy and Governance, Office of the USAF Warfighting Integration and Chief Information Officer

3:30 PM - 4:00 PM **NETWORKING BREAK**

4:00 PM - 5:00 PM **ARCHITECTURE IN SUPPORT OF BUSINESS OPERATIONS**

- ▶ *Mr. Dennis Wisnosky*, Chief Architect, Business Mission Area

7:15 PM **AN EVENING AT THE BALLPARK**

- ▶ *Go to the conference website to purchase your ticket to the ballgame. St. Louis Cardinals vs. Cincinnati Reds.*



THURSDAY, JUNE 4

8:00 AM - 3:00 PM **REGISTRATION OPEN**

7:30 AM - NOON **EXHIBITS OPEN**

8:00 AM - 9:00 AM **FEDERAL ENTERPRISE ARCHITECTURE -
DIRECTIONS IN THE NEW ADMINISTRATION**

- ▶ *Mr. Kshemendra Paul*, Chief Architect, Office of Management and Budget

9:00 AM - 10:00 AM **CAPABILITY BASED MODELING**

- ▶ *LtCol Mikael Hagenbo*, Swedish Armed Forces Joint CIO

10:00 AM - 10:30 AM **NETWORKING BREAK**

10:30 AM - NOON **THEORY AND PRACTICE OF ARCHITECTURE**

- ▶ *Mr. John Zachman*, President, Zachman International

NOON - 1:30 PM **AWARDS LUNCHEON**

DEAA AWARDS PRESENTATION

AWARD WINNERS

- ▶ **GOVERNMENT INDIVIDUAL** - Mr. Jeffery D. Wilson, Marine Corps Systems Command
- ▶ **GOVERNMENT ORGANIZATION** - The Submarine Warfare Federated Tactical Systems (SWFTS)
- ▶ **INDUSTRY INDIVIDUAL** - Mr. John F. Kelly, WBB Consulting
- ▶ **INDUSTRY ORGANIZATION** - SIAT Architecture Support Team, QinetiQ North America

2:00 PM - 2:45 PM **TECHNICAL STANDARDS: FOUNDATION OF INTEROPERABILITY**

- ▶ *Mr. Walt Okon*, Senior Enterprise Architect, Enterprise Architecture & Standards, Office of the DoD Chief Information Officer
- ▶ *Mr. Dave Brown*, Chief, DISA Standards Engineering Branch

2:45 PM - 3:30 PM **UNIFIED PROFILE FOR DODAF/MODAF (UPDM):
PARTNERING TO IMPROVE ARCHITECTURE DATA EXCHANGE**

- ▶ *Mr. Walt Okon*, Senior Enterprise Architect, Enterprise Architecture & Standards, Office of the DoD Chief Information Officer
- ▶ *Mr. Matthew Hause*, Chief Consulting Engineer, Artisan

3:30 PM - 4:00 PM **CLOSING REMARKS**

- ▶ *Mr. Brian Wilczynski*, Director, Enterprise Architecture & Standards, Office of the DoD Chief Information Officer

Architectural Description A collection of models to document an architecture.

Architecture Federation A loosely coupled collection of the descriptions of assets, processes, and requirements which accommodate the specific purpose for the development and use of architecture, while allowing for their autonomy and local governance.

Capability Architecture A set of descriptions focused on portraying the context and rules required to achieve a desired effect through a combination of doctrine, organization, training, materiel, leadership and education, personnel, and facilities (DOTMLPF).

Component Architecture A framework or structure that portrays relationships among all elements of an organizational grouping within the Department of Defense responsible for safeguarding the national security of the United States.

DoD Business Operations The policies, processes, information and systems relating to the end to end financial, logistical, facility management, human capital, acquisition, administrative, and other such functions of the Department of Defense that support the warfighter consistent with sections 162 and 165 of Title 10, United States Code.

DoD Enterprise Architecture A federation of descriptions that provide context and rules for accomplishing the mission of the Department. These descriptions are developed and maintained at the Department, Capability Area, and Component levels and collectively define the people, processes, and technology required in the “current” and “target” environments; and the roadmap for transition to the target environment.

DoD Information Enterprise Architecture (DoD IEA) The DoD IEA defines the layer of services and standards that enable Information Management (IM) operations and drive the fundamental concepts of net-centricity and net-centric operations and warfare across all missions of the Department.

IT Infrastructure The underlying foundation or basic framework comprised of any equipment or interconnected system or subsystem of equipment, used in the automatic acquisition, storage, manipulation, management, movement, interchange, or transmission of data or information.

Solution Architecture A set of descriptions that portray the fundamental organization of a system, embodied in its components, their relationships to each other and the environment, and the principles governing its design and evolution.

Tiered Accountability The distribution of authority and responsibility for an element of the DoD Enterprise Architecture or DoD Architecture Federation to organizations within the DoD.

DOD ENTERPRISE ARCHITECTURE ACHIEVEMENT (DEAA) AWARDS

The purpose of the award program is to recognize significant contributions and achievements in advancing the state of practice of enterprise architecture as an enabler of information advantage for the DoD.

The DoD Enterprise Architecture Achievement Individual Awards are given by DoD to one government and one industry individual for exceptional achievement and contributions towards development and/or deployment of enterprise architecture within the DoD.

The DoD Enterprise Architecture Achievement Organizational Awards are given by DoD in conjunction with AFEI to one government and one industry organization that most exemplifies the use of enterprise architecture in its transformation towards a net-centric enterprise.

2009 AWARD RECIPIENTS

The Government Individual DEAA Award

Mr. Jeffery D. Wilson, Marine Corps Systems Command

The Government Organization DEAA Award

The Submarine Warfare Federated Tactical Systems (SWFTS)

The Industry Individual DEAA Award

Mr. John F. Kelly, WBB Consulting

The Industry Organization DEAA Award

SIAT Architecture Support Team – QinetiQ North America

ASSOCIATION FOR ENTERPRISE INFORMATION

AFEI is a professional organization that promotes the ethical and legal exchange of information and ideas between government and industry. Our members address topics essential to attainment of network-centric and integrated enterprises.

AFEI has working groups that collaborate with Government stakeholders through partnerships with the DoD CIO Office, DHS, DNI, and DUSD Business Transformation. The goal of AFEI is to be an agent and facilitator of necessary changes that promote integrated enterprises and that enable seamless, secure information sharing among Governments and industry.

Find out how you can help the Government facilitate information sharing and transformation.

AFEI is a subsidiary affiliate of the National Defense Industrial Association, a non-profit educational industry association whose motto is Strength through Industry and Technology.

www.afei.org



VISION

DELIVER THE POWER OF INFORMATION

An agile enterprise empowered by access to and sharing of timely and trusted information.

MISSION

ENABLE NET-CENTRIC OPERATIONS

Lead the information age transformation to enhance the Department of Defense's effectiveness and efficiency.

INFORMATION MANAGEMENT/INFORMATION TECHNOLOGY GOALS

1. NET-CENTRIC TRANSFORMATION

Accelerate DoD's net-centric transformation to facilitate effective and efficient warfighting, intelligence and business processes and other national security activities.

2. INFORMATION AS A STRATEGIC ASSET

Use information sharing to enable effective and agile decision making through visible, accessible, understandable and trusted data and services – when and where needed.

3. INTEROPERABLE INFRASTRUCTURE

Ensure robust and reliable world-wide connectivity and infrastructure within DoD and with external mission partners.

4. ASSURED INFORMATION ACCESS

Protect and defend DoD systems, networks and information to maximize mission assurance.

5. RETURN ON INVESTMENT

Maximize the contribution of IT investments to national security and defense outcomes.

6. IT WORKFORCE DEVELOPMENT

Maintain an agile IT workforce with the skills to build, extend, exploit and defend a net-centric DoD.

ACTIVE LISTENING TO KEYNOTE SPEECHES

The speakers at this conference were chosen because they are leaders in DoD enterprise architecture. Each conference attendee who listens to the message forms different ideas because they are hearing through different filters, and it is coming from different frames of reference.

Some speakers introduce new thinking, others offer hints into new policy or direction, some cover ground that confirms and reinforces what you already know. Some even offer opinions that you do not agree with. Listen for these elements in keynote speeches:

Inspirational Listen for good quotations and stories that motivate you and that you can share with others at work.

Informative Listen for facts, figures, key points, and supportive evidence that can help you defend a position or sell your idea.

Entertaining Pick up jokes and anecdotes, and just enjoy it. Humor provides the freedom needed for finding new ideas.

BIOGRAPHIES

Maj. Gen. Michael J. Basla

Vice Director, Command, Control, Communications
and Computer Systems
Joint Staff

Maj. Gen. Michael J. Basla is Vice Director, Command, Control, Communications and Computer Systems, Joint Staff, the Pentagon, Washington, D.C.

General Basla received his commission in 1979 as a distinguished graduate of Officer Training School. He is a graduate of the College of Naval Command and Staff as well as the Industrial College of the Armed Forces, receiving Master of Science degrees in 1992 and 1996. The general has commanded at the detachment, squadron and group levels. His staff assignments include Director of Information Technology Enterprise Operations at Headquarters U.S. Air Force, and Director of Communications and Information at Headquarters Air Mobility Command, Scott Air Force Base, Ill.

The general has also served as Director for C4 Systems, Joint Task Force Southwest Asia, and Deputy Director, Operational Support Modernization Program at Headquarters U.S. Air Force. Prior to his current assignment, he was Director for C4 Systems, U.S. Transportation Command.

Mr. Ron Bechtold

Director, Army EA
Chief Information Office/G-6, USA

Mr. Bechtold assumed the position of Director, Army Architecture Integration Center, at Headquarters, Department of the Army, Chief Information Office/G-6 on 1 June 2006.

Previously, he served as the Executive Director, Information Technology Agency, where he managed the operations of information infrastructure supporting all Pentagon organizations. He also provided leadership and direction for desktop operations supporting the Army staff.

Prior to serving as Director, Mr. Bechtold served as the Deputy Director for two years. As the Deputy Director, he was responsible to the Administrative Assistant for information technology matters in support of the Headquarters, Department of the Army and information technology operations support services for the Pentagon and National Capital Region.

Mr. Bechtold began his career in the Federal Government in 1975 as an Army Material Command quality assurance intern, and has held a variety of professional positions of increased responsibility throughout his 30 years of government service. Ron changed careers when he joined the Europe Division of the Corps of Engineers as a software developer where he developed his project management skills supporting the Army Military Construction Program. Upon returning to the United States he worked on the Army Staff as the systems manager of the Army's Supercomputer Program and later as a strategic planner for the Army's \$4B Command, Control, Communications and Computer Investment Program. Ron returned to Europe in the early 90s to assist in establishing the Marshall Center, a school to educate senior officials of Central

**ACTIVE LISTENING TO
KEYNOTE SPEECHES,
CONT.**

Familiar Listen for things that confirm your experience, reinforce your ideas, and build confidence. Do not tune out because you have “heard it all before.” Listen as if it is new and note what you hear differently.

Leading Edge Listen to everything as if it has value, even if you are wanting to disbelieve or discount the information. Think about where your skepticism originates from and evaluate it in terms of what you are hearing. Be open to change, new ideas, and how they relate to you and your organization.

Interactive If you have a burning question, take the opportunity to ask. Many in the audience have the same question. Keynote speakers are generally very approachable; so, if you can not get your question in during the presentation, approach the speaker and ask personally. They appreciate your interest and want to get their message heard properly.

and Eastern Europe about democracy, market economies and civilian control of the military.

Mr. Bechtold began his tenure in the Office of the Administrative Assistant in July 1997, as Director of Architecture and Engineering in the Single Agency Manager. In October 2001, he became the Technical Director, Information Technology Agency, and in September 2003, became the Deputy Director Information Technology.

Mr. Bechtold holds a B.S. degree in Mathematics and is a graduate Industrial College of Armed Forces. His numerous awards include: two Decorations for Exceptional Civilian Service, the Superior Civilian Service Award and the Achievement Medal for Civilian Service.

He resides in Clifton, VA, and is married to Madeline Dillman Bechtold. They have two children, Erika and Alyssa.

Dr. Stan Boddie

Professor

National Defense University

As a Professor of Systems Management at the U.S. National Defense University (NDU) Information Resources Management (IRM) College, Dr. Boddie provides graduate-level education in organizational leadership and management, enterprise architecture, and program and project management. Dr. Boddie has over 30 years experience leading and managing information technology (IT) environments for public, private, and non-profit sector organizations. A key highlight of Dr. Boddie’s professional career includes leading the U.S. Internal Revenue Service Information Technology Services implementation of the Economic Growth and Tax Relief Reconciliation Act of 2001 legislation. During this major presidential initiative, the IRS and its partners mailed checks totaling over \$36B to approximately 90 million taxpayers. Dr. Boddie also led program and project management support to numerous organizations including the U.S. White House, Treasury Department, Commerce Department, and the Social Security Administration. Dr. Boddie developed several frameworks and models that enable organizational leaders to improve enterprise performance including the Vision, Integrity, Communication, Inspiration, and Empowerment Transformational Leadership Model and the Transformational Leadership and Enterprise Management Integration Framework. Dr. Boddie is the Program Leader for the Information Resources Management Community Center, a virtual community of practice and is also leading the NDU IRM College’s research and incorporation of social network applications into the College learning environment. Dr. Boddie has published numerous articles and authored chapters in organizational leadership, enterprise architecture, and program and project management. Dr. Boddie is the NDU IRM College Professor of the Year for 2006 – 2007.

Mr. Dave Brown

Chief, DISA Standards & Engineering Branch
DISA

David P. Brown manages the Standards Engineering Branch within the Defense Information Systems Agency (DISA). He is principally involved in the execution of engineering responsibilities supporting DISA's mission as the DoD Information Technology Standards Executive Agent. He leads a staff of over 30 information technology professionals tasked to identify, research, and aid in the development of IT standards for implementation across the DoD information enterprise enabling interoperability and supportability for the warfighter, intelligence and business mission areas. His responsibilities include the delivery of the DoD IT Standards Registry (DISR), the management of DoD representation in Commercial Non-Government Standards Bodies, and the development of standards-based technical implementation profiles for Global Information Grid capabilities. For nearly 30 years Mr. Brown has served DISA, the DoD Chief Information Officer and the US Navy in engineering, integration and standards management activities ranging from policy, governance and compliance to design, assessment and test. Mr. Brown holds a Bachelor of Science degree in Electrical Engineering from Boston University, professional certification as an Electromagnetic Compatibility Engineer by the National Association of Radio and Telecommunications Engineers, is the IT Standards Committee representative for DISA, and Co-chair of the Global Information Grid (GIG) Technical Guidance Configuration Management Board.

Brig Gen Daniel "Rick" Dinkins, Jr., USAF

Director, C4 Systems
USTRANSCOM

Brig Gen Daniel R. "Rick" Dinkins Jr. is director of Command, Control, Communications and Computer systems (TCJ6), United States Transportation Command, Scott Air Force Base, IL. He is responsible for the planning, integration, operations and maintenance of USTRANSCOM's Command, Control, Communications and Computer Systems. He also serves as the command's chief information officer, responsible for the investment strategy for all information technology resources. Brig Gen Dinkins entered the Air Force in 1971 as a Titan II enlisted missile crewmember and subsequently completed Officer Training School in 1978. He has commanded three major communications units and served in numerous staff positions at Headquarters Air Force, combatant command and coalition levels in the United States as well as the European, Pacific and Southwest Asia theaters of operations. In 2005, he served as the director, Communications and Information Systems, Multi-National Force-Iraq, Baghdad, Iraq, in direct support of Operation Iraqi Freedom.

Mr. Bruce Dunn

Senior Technical Director, DARS Program
SPAWAR

Mr. Bruce Dunn is the Technical Director for the DoD Architecture Registry System (DARS). He leads the technical development in DARS to ensure adoption of enterprise architecture and net-centric services engineering which supports the implementation of the DoD Net Centric Data Strategy (NCDS) for the DoD architecture community, providing a place to register architecture metadata and making it discoverable. Mr. Dunn's vast knowledge and experience in system engineering made it possible for the DoD to enable architects and system engineers to have the ability to browse and visualize Federated Enterprise Architectures. His guidance to developers makes it possible to provide web services for registering architectures and federating architecture repositories.

Mr. Dunn's interest includes the development of a large mango plantation in the Philippines involving latest technologies of growth studies to ensure high density planting of and quality mango fruit.

Mr. Dunn resides in Manhattan, NY and works with his team at Ft. Monmouth, NJ. In addition, he is assigned to the DoD CIO, Enterprise Architecture & Standards Directorate.

Ms. Kim Frisby

Chief of Joint Architecture and Capability Engineering Division
JFCOM

M. Kim Frisby is the U.S. Joint Forces Command (USJFCOM) Chief of Joint Architecture and Capability Engineering Division (J89), J8 Joint Capabilities Development Directorate, Norfolk, Virginia. Ms. Frisby has over 25 years of information technology and applied system engineering experience, including 12 years of active duty service with the U.S. Air Force. She has been a Department of Defense (DoD) Civilian since 1994. Her previous civilian assignments have included the U.S. Army's Surface Deployment and Distribution Command at Fort Eustis, Virginia, as well as the U.S. Air Force's 374th Civil Engineering Squadron in Yokota, Japan. She has been assigned to USJFCOM since January 2000, where she has held a variety of management and supervisory positions in the Command, Control, Communications, and Computers (J6) Directorate, before her reassignment to the J8 Directorate in 2003. In October 2003, she was reassigned as the Joint Integrated Architecture Branch Chief in J89, and was promoted to the J89 Deputy position in February 2004, and to Division Chief in January 2008. She manages a team of 54 systems architects, operational and systems analysts, systems engineers, and data base and system administrators who are responsible for the execution of joint architecture development and integration and capability engineering in support of Joint Task Force (JTF) capability improvement and Command and Control (C2) Capability Portfolio Management (CPM). She also is the government manager for the Joint Architecture and Capability Assessment Enterprise (JACAE) tool suite, which won the 2007 Defense Enterprise Architecture Award (DEAA), sponsored by the Association for Enterprise Integration (AFEI), in support of the Office of Assistant Secretary of Defense for Networks and Information Integration.

Mr. Alan Golombek

Senior Enterprise Architect, Enterprise Architecture & Standards
Office of the DoD Chief Information Officer

Alan Golombek is a Senior Enterprise Architect in the Office of the Assistant Secretary of Defense, Networks & Information Integration, Architecture and Interoperability Directorate in Arlington, VA, and has been in this position since October 2007. His main duties include being the co lead for the development of the Department of Defense Architecture Framework (DoDAF) version 2.0, participation in the Intelligence Community Architecture effort, representing the A&I Director at federal level architecture meetings, and at NATO architecture technical exchange meetings. Mr. Golombek comes to A&I from the Joint Staff, Pentagon, where he performed a variety of IT related duties.

Mr. Golombek has been serving in increasingly responsible positions in Federal Civil Service since 1979. He started his professional career in 1979 with the Federal Communications Commission, Baltimore, MD, Field Office, as a field specialist. His main duties involved resolving radio frequency and electromagnetic interference problems. In June 1987, he became the Branch Chief of the Communications Electronics branch of the First U.S. Army, Fort Meade, MD. He was the technical expert for the First U.S. Army for tactical and administrative telecommunications and IT. In October 1992, he joined the Joint Defense Telecommunications Service-Washington, the Pentagon, Washington, DC, as a Telecommunications Specialist. Mr. Golombek managed high level telecommunications projects for supported agencies throughout the National Capital Region. He left DTS-W in June 1997 to become the Chief of Networks and Telecommunications for the Defense Security Service (DSS) where he supported data, telecommunications, and other IT services for a DSS worldwide mission. In August 2003, he became the Chief of the Information Technology Policy, Community Outreach and Enterprise Architecture Division, office of the CIO, Department of Defense Counterintelligence Field Activity (CIFA), Arlington, VA. His main duties were documenting the CI community enterprise architecture and interfaced with the Counterintelligence, Intelligence, and Law Enforcement communities to promote information sharing and coordinating and publishing CIFA policies and reviewing DoD IT policies for CIFA and CI community impact.

Mr. Golombek retired as Lieutenant Colonel from the Army Reserve in 2007. He was branched Military Intelligence. He has specialties in TEMPEST and Electronic Warfare. Mr. Golombek enlisted as a signal soldier in 1982. His specialty was fixing tactical radios. He attained the rank of Sergeant before attending and earning his commission through the Army Officers Candidate School in 1985. Highlights of his career include serving at JICPAC, NSA (704th MI Brigade), the 10th Mountain Division (To The Top), mobilizations for Operation Just Cause/Fuertos Caminos (Panama), Operation Joint Forge (The Balkans), and Operation Enduring Freedom (Afghanistan). He has earned numerous military awards including the Meritorious Service Medal.

Mr. Golombek received a Bachelor of Science degree from the Towson University, majoring in Communications, and a Master of Science degree in Information Technology and Telecommunications Systems from the Johns Hopkins University. He is also a certified Project Management Professional (PMP). Hobbies include racquetball, golf, and Amateur Radio (N3FNQ).

LtCol Mikael Hagenbo

Swedish Armed Forces

LtCol Mikael Hagenbo works for the Swedish Armed Forces (SwAF) Joint CIO and is responsible for the development of SwAF Enterprise Architecture Framework and also as co-ordinator regarding international co-operation within the architecture area. In that role Mikael has the responsibility to prepare for senior decisions, strategic directions for the SwAF within the field of EA enablers. An example is the decision that was made by SwAF Joint CIO early 2008 on using MODAF as an architecture description framework for the whole of the SwAF.

Mikael is also heavily involved in the Swedish Armed Forces Headquarters initiative, Model Based Capability Development, a.k.a. Enterprise Architecture.

Mikael has a background as an Air Force C4ISR officer and has been working with Enterprise Architecture since January 2003 after graduating from the 2 ½ year course 'Advanced Technical Programme' at the Swedish National Defence College.

Mikael represents Sweden in NATO C3 Board/SC-1/Policy Working Group - responsible body for e.g., NATO Architecture Framework, and has been involved during the whole development process of 2 ½ years of the NATO Architecture Framework (NAF) version 3 that was approved by NATO in November 22, 2007.

Finally, Mikael acts as a Swedish representative in International Defence Enterprise Architecture Specification (IDEAS) management group and also co-ordinates the bilateral co-operation with MOD UK within the EA area.

Mr. Terry Hagle

Senior Enterprise Architect, Enterprise Architecture & Standards
Office of the DoD Chief Information Officer

Mr. Hagle serves a senior enterprise architect in the office of the DoD CIO, Enterprise Architecture and Standards Directorate where he is responsible for a number of enterprise architecture initiatives. His past work includes the lead for the development of the Net-Centric Operations and Warfare (NCOW) Reference Model (RM) and associated architecture work. More recently he has taken on the role of the lead for the development of the DoD Information Enterprise Architecture (V1.1), the successor to the NCOW RM. The DoD IEA documents the principles and rules applicable to all DoD investments and portfolios. The IEA will help guide the Department to achieving the vision of a net-centric environment. Mr. Hagle has over 30 years experience in the DoD and has served at all levels of work from MILDEP program management to OSD policy development.

Mr. Dave McDaniel

President

Silver Bullet Solutions, Inc.

Mr. McDaniel is the President of Silver Bullet Solutions, Inc., a small business focused on Enterprise Architecture and data integration. He is currently a member of the DoDAF 2.0 Development Team in which capacity he leads the development of the DoDAF 2.0 Meta Model (DM2) and is OASD (NII)'s technical participant in the International Defence Enterprise Architecture Specification (IDEAS) working group which is developing a formal ontology for EA data. He has led and been a part of EA meta model development since 1996, starting as part of the C4ISR Framework Core Architecture Data Model (CADM) panel and continuing to today's DM2 role. He has also developed many architecture databases over that time period, including the C4ISR Navy Architecture Database (NAD), Department of the Navy Integrated Architecture Database (DIAD), and Coast Guard Integrated Architecture Database (CGIAD). In addition to the human-computer-interface for these databases, he has also led development for interfaces of these EA databases to modeling tools, authoritative data sources, and analysis tools and algorithms. For DoDAF 1.0, he led the Department of Navy framework team, developing the material on EA taxonomies and the initial fit-for-purpose matrix.

In addition to his EA work, Mr. McDaniel has been an active member of the information and data fusion community since 1983. He has written papers, conducted research and experiments, and been part of development teams for Command and Control, weapons, and surveillance systems. His work includes multi-source tracking and correlation, sensor registration, and automated target identification using techniques such as Kalman filters, association optimizers, Bayesian Networks, knowledge bases, and ontologies.

His current interests are in mathematically-based data structures that can enable rigorous EA quantitative decision support as well as combat system requirements for precision data interoperability, C4ISR requirements for coping-with, inferring-with, and integrating vast amounts of disparate data relevant-to and characteristic-of today's operational mission environments, and multi-agency requirements for data agility and coordination.

Mr. McDaniel began his career as a real-time programmer for guided missile cruiser and destroyer weapon control systems in Silver Springs, MD. He then spent 15 years in San Diego, CA working on aircraft carrier combat direction systems and researching multi-source target identification and EW/ELINT fusion. He currently lives in Northern Virginia and San Diego.

Mr. McDaniel's degrees are in Math, Physics, and Computer Science. He is a member of IEEE, ACM, AFCEA, and ASNE. He is a bicycling enthusiast.

Mr. Doug McGovern

Chief Architect
DNI

Mr. Douglas P. McGovern is currently on a Joint Duty Assignment as the Chief Architect for the Director of National Intelligence Information Integration Program. In this capacity, Mr. McGovern leads Intelligence Community Architecture activities to ensure intelligence information is discoverable and accessible by appropriately cleared users throughout the Intelligence Community.

In his prior assignment through January 2009, Mr. McGovern served as the Deputy Director of the Acquisition Engineering Office within NGA's Acquisition Directorate. In this capacity, Mr. McGovern managed an office of 150 Government employees, numerous contractors, and directed acquisition engineering activities associated with National System for GeoSpatial-Intelligence (NSG) modernization.

From January 2005 through September 2007, Mr. McGovern served as the Program Manager for Commercial Remote Sensing (CRS) and Chief of the Commercial Solutions Division. Mr. McGovern championed significant improvements in the integration of CRS into the NSG, deployment of architectural improvements to flow commercial imagery to the user desktop in all security domains and the successful launch of the NextView satellite WorldView-1.

From November 2001 to December 2004, Mr. McGovern was the Senior Advisor for Acquisition Management and Process Improvement. He was responsible for implementing acquisition best practice initiatives for the GeoScout program. As the Senior Advisor for Process Improvement within the Acquisition Directorate Systems Engineering Office, his efforts ultimately resulted in a highly successful appraisal which gauged NGA process maturity at level 3 in 8 process areas including risk, needs and requirements, outsourcing/contract, test/evaluation, transition and configuration management areas.

Prior to joining NGA (NIMA) in November 2001, Mr. McGovern spent over 15 years in acquisition, development, program management and lifecycle support on a variety of special project acquisitions with the Naval Sea Systems Command Deep Submergence Systems Program. These included acquisition of advanced special warfare R&D capabilities, support for US Navy unmanned search and recovery systems, modernization of the Navy's only nuclear powered research submarine (NR-1) and development support to the Woods Hole Oceanographic Institute.

Mr. Matt Newman

Professor
National Defense University

Mr. Newman is a Professor of Systems Management in the Information Resources Management College of the National Defense University. In this role Mr. Newman leads the Enterprise Architecture Certificates Program. He brings to the Program over 20 years experience in developing enterprise architectures for both Defense and Civilian agencies. His current area of

interest is Federated Enterprise Architecture concepts and organizational agility models and metrics. He has additional experience in data architectures, Service Oriented Architecture, system concepts of operation and technical architecture, IT Strategic plans, IRM Policy & Procedures, and IT Capital Planning processes.

Mr. Walt Okon

Senior Enterprise Architect, Enterprise Architecture & Standards
Office of the DoD Chief Information Officer

Mr. Okon, at the Office of Secretary of Defense, Architecture and Interoperability, is a Senior Architecture Engineer who leads the DoD program on Standards and Technical Direction by leading the adoption of enterprise architecture and net-centric services engineering initiatives. In addition, he is the Chief Architect for DoD Information Sharing.

Mr. Okon was born on 21 May 1943 in Philadelphia, PA. He was commissioned a second Lieutenant through the Officers Training School (OTS) in September 1966. He has a Bachelor's of Arts Degree in English from La Salle University in Philadelphia. In 1974, he earned a Master of Science in Telecommunications Management from the University of Southern Mississippi. Mr. Okon completed the Air War College, the National Defense Security Management Seminar, the Air Command and Staff College and Squadron Officer's School.

His assignments included Langley AFB, VA, as the OIC HQ TAC Command Post Communications from 1967 to 1970. TUSLOG Det 6, as Director of Operations, Communications Group, Ankara, Turkey, from December 1970 to December 1972. Returning to the United States he was a student at the Communications Staff Officer's School and the University of Southern Mississippi from January 1973 to May 1974. He was then assigned to HQ SAC, Offutt AFB, NE, as the manager of the SAC Voice Communications Systems in June 1974 to February 1977. His next assignment was in Washington, DC as the CONUS AUTOVON System Manager for the Defense Communications Agency from April 1977 to July 1981. He served as Air Force Communications Command's IG Team Chief and Division Chief on the Inspector General (IG) Team, Scott AFB, IL, from July 1981 to July 1983. He moved to Spain as the Commander, 2186 Communications Squadron, Torrejon Air Base, Spain, from July 1983 to October 1986. He returned to Scott AFB, IL, as Objectives Division Chief, HQ AFCC, from October 1986 to August 1987 before being selected to structure the development of the new United States Transportation Command until August 1989. He then moved to the Defense Information Systems Agency in Arlington, VA, and completed his last assignment in the Air Force as Special Assistant to the Director and the Total Quality Management Director for the Defense Systems Support Organization. Mr. Okon retired from active duty in the rank of Lieutenant Colonel on 1 February 1993.

In December 1993, he was selected for an appointment at the Defense Information Systems Agency as the Quality Management Education and Training Principal until 1 April 1996 when he was selected as the DISA WebMaster and Chief for the Information Resource Division. In June 1997 he was selected to be the Deputy Chief for the Applications Division to

infuse Web technology into application development. In January 1997, Mr. Okon was selected to be the Chief of the Electronic Commerce Engineering Division. In 2002, he was selected for the Executive Leadership Development Program (ELDP). In October 2004, Mr. Okon was appointed as the Chief of Net-Centric Enterprise Services (NCES) Systems Engineering. On 5 May 2005, he graduated from the Executive Leadership Development Program (ELDP). In June 2006, Mr. Okon was selected to join the OSD Architecture & Interoperability team by the DoD Chief Architect.

Mr. Robert Osborn, SES

Deputy Director, Distribution Portfolio Management
USTRANSCOM

Robert J. Osborn II, a member of the Senior Executive Service, is deputy director of Distribution Portfolio Management, Command, Control, Communications and Computer Systems (TCJ6V), United States Transportation Command, Scott Air Force Base, IL.

As a U.S. Marine, Osborn worked his way up the ranks to staff sergeant before being selected for warrant officer as an embarkation/logistics officer. After various assignments in Marine units ranging in size from 350 to 3500, Osborn was selected as a limited duty officer and promoted to captain (LDO). He served in batteries, battalions, squadrons, on division staffs, fleet service support group (FSSG) staffs, was logistics officer and embarkation officer for 24th MEU(SOC) where he was principal logistics liaison with SHAPE Headquarters and NATO FWD during Operation Noble Anvil in Greece and as lead of advance party operations for Operation Desert Thunder in Kuwait.

Osborn served as combat cargo officer aboard the USS Dubuque and the PHIBRON 11 staff. He has served in a number of specialties, including C-130 radio operator/loadmaster, field artilleryman as a howitzer platoon sergeant, NCO school instructor with the 1st Marine Division, and primary marksmanship instructor. Osborn has also served in the Marine Security Guard Program with the Department of State at the U.S. Embassy in Tokyo, Japan, and was selected to provide personal protection for the Chief of Naval Operations in the Pentagon for a two-year tour. Osborn served as chief of the logistics automation branch at Headquarters, U.S. Marine Corps prior to retirement.

Prior to assuming his current position, Osborn was the logistics chief information officer for the Deputy Chief of Staff of the Army, G4, the Pentagon, Washington, D.C.

Mr. Kshemendra Paul

Chief Architect
Office of Management and Budget

In the role of Federal Chief Architect, Kshemendra is responsible for leading efforts around the Federal Enterprise Architecture (FEA). In this role, Kshemendra defines policy, guidance, and processes for agency enterprise architecture (EA); mentors and coaches agencies in their efforts; conducts oversight and assessment of agency completion, use, and results from their EA; works closely with the Federal CIO Council and in particular its Architecture and Infrastructure Committee; and provides the bridge at OMB between the

FEA and information technology management and oversight, overall mission performance management, policy, and resource allocation. The scope of this role is the entire Federal Government with an annual IT spend plan of approximately seventy billion dollars. The purpose of the FEA is to ensure that our Federal IT investments are as transformative as possible in terms of being the critical enabler of a result-oriented, citizen-centered, and market-based Federal Government.

Previously, Kshemendra served as Chief Architect for the U.S. Department of Justice (DOJ) and was also the Program Executive for the National Information Exchange Model (NIEM). In this role he led efforts around data standards and interoperability across Federal, State and Local stakeholders. In particular, Kshemendra took a leadership role with the counterterrorism, law enforcement, and homeland security Information Sharing Environment (ISE) and the development of its architectural framework and profile. This resulted in the adoption of NIEM as the basis for ISE information sharing.

Kshemendra also served as the Co-Chair of the Services Subcommittee of the Architecture and Infrastructure Committee, where he was part of the team leading the development of the Practical Guide to Federal Service Oriented Architecture. Kshemendra was honored with the Federal 100 award for his leadership with NIEM. This award recognizes the top executives from government, industry, and academia having the greatest impact on the government information systems community. He and the other Federal members of the NIEM management team were also recognized with the Collaboration Award by the DOJ Justice Management Division.

Mr. Paul has over 23 years of experience in strategic planning, enterprise architecture, organizational management, and systems development. Before joining the civil service in 2005, Mr. Paul was Group Architect and Product Manager with the Financial Industry Regulatory Authority (previously NASD). Prior to that, he was an active entrepreneur, co-founding LocalEyes (sold to AOL) and founding Andelina (sold to FoundryOne). He has participated as a member of senior management for a variety of other technology product and service companies.

He holds both Bachelor's and Master's degrees in Electrical Engineering, and an additional Bachelor's degree in Mathematics, from the University of Maryland, College Park.

Col Jimmie Schuman, Jr. USAF

Lead, HD/CS CBA Architecture Team
USNORTHCOM

Lt Col Eric Silbaugh, USAF

Chief EA Strategy, Policy & Governance
Office of the USAF Warfighting Integration and Chief Information Officer

Lt Col Eric Silbaugh is currently serving as Chief, Enterprise Architecting and Warfighting Integration Decision Support Strategy, Policy, and Governance Branch, Office of Warfighting Integration and Chief Information Officer, Secretary of the Air Force, Washington, D.C. He leads six military, civilian, and contractor personnel developing strategy, policy, and governance guiding development, use, and certification of federated architectures throughout

the Air Force enterprise in support of the Air Force Chief Architect and Chief Information Officer. He has served in a variety of Air Force and Joint Communications and Information assignments including squadron command, combat communications, and engineering and installations and on the US Central Command J6 staff. He has also deployed seven times to the US Central Command theater in support of Operations SOUTHERN WATCH, ENDURING FREEDOM, and IRAQI FREEDOM

Ms. Anne Thomas Manes

Vice President and Research Director
Burton Group Consulting

Anne Thomas Manes is the Vice President and research director for Burton Group Application Platform Strategies. She covers service-oriented architecture (SOA), web services, XML, governance, Java, application servers, superplatforms, and application security. Prior to joining Burton Group, Anne was former chief technology officer at Systinet, a SOA governance vendor (now part of HP) and director of market innovation in Sun Microsystems's software group. With 28 years of experience, Anne was named one of the 50 most powerful people in networking 2002 by Network World and among the "Power 100 IT Leaders," by Enterprise Systems Journal. Anne has authored "Web Services: A Manager's Guide," published by Addison-Wesley, 2003 and participated in Web services standards development efforts at W3C, OASIS, WS-I, and JCP.

Mr. Roger Thorstenson

IT Specialist, DoD CIO Strategic Planning and Policy Directorate
Office of the DoD Chief Information Officer

Roger Thorstenson is an Information Technology Specialist in the Strategic Planning and Policy Directorate of the Office of the Assistant Secretary of Defense for Networks and Information Integration / DoD Chief Information Officer. His responsibilities include Strategic Planning and Performance Measurement.

Previously, Mr. Thorstenson served in the Architecture and Interoperability Directorate of ASD (NII) / DoD CIO where he was instrumental in the developing and fielding of the Enhanced Information Support Plan tool for identifying and managing information dependency risks. Prior to his civilian service, he served in the U.S. Navy for over twenty-eight years, in a variety of surface ships. In addition, he had joint assignments at the Defense Information Systems Agency and at the Office of the Assistant Secretary of Defense for Command, Control, Communication and Intelligence.

Mr. Thorstenson was born in Waukon, IA. He holds a BS in Computer Science from the University of Idaho and a MS in Computer Science from the Naval Post Graduate School.

Mr. Lloyd Thrower

Director, DoD CIO Strategic Planning and Policy Directorate
Office of the DoD Chief Information Officer

Mr. Lloyd Thrower serves as Director, Strategic Planning and Policy in the Office of the DoD Deputy CIO. In this capacity he plays a central role in the development of policies and strategies aimed at ensuring DoD CIO guidance is deployed and executed effectively across the Department of Defense. He is the chief architect for the new Defense Information Enterprise Architecture (DIEA 1.0), which documents principles and rules, applicable to all DoD investments and portfolios, that will help guide the Department towards achieving the vision of net-centric operations. Lloyd is now beginning the process of building an accompanying transition plan which will mark progress towards accomplishing this goal.

Prior to joining the DoD CIO organization, Mr. Thrower, as Special Assistant to the DUSD Business Transformation, was one of the key drivers in reengineering DoD's business transformation efforts, leading to the establishment of the BTA. He helped rescope the Business Enterprise Architecture, making it a more usable tool to guide investment. He played a key role in writing the Business Mission Area's (BMA's) first Enterprise Transition Plan and wrote the core guidance that framed the BMA's investment management / IRB processes. Mr. Thrower also drove the BMA's communications and government relations efforts during this critical time, resulting in GAO acknowledgement of substantial DoD progress in moving business modernization efforts forward.

Before joining the Department, Mr. Thrower was employed in the high technology industry, serving as Director of IT Strategy at both Nortel Networks and JDS Uniphase Corporation. Throughout his IT career, Mr. Thrower has been deeply involved in driving global end-to-end business process improvement through effective use of information technology, leading both infrastructure deployments and business systems implementations to affect organizational change and performance improvement.

Mr. Thrower has both Bachelors and MBA degrees from Harvard University and a Masters in Computer Science from North Carolina State University. He lives in Maryland with his wife, Barbara, and son, Tyler.

Mr. Richard Tirrell

Principal Engineer, IT Services Group
QinetiQ North America

Richard Tirrell currently serves as the QinetiQ North America SIAT Architecture Support Team Lead, delivering architecture and architecture support environment to the Systems Engineering, Interoperability, Architectures, and Technology (SIAT) Branch of Marine Corps Systems Command in Quantico, VA. Mr. Tirrell is a Principal Engineer and is a FEAC Certified Enterprise Architect with over 25 years of operational Marine Corps and architecture experience and has been with QinetiQ North America, Stafford, VA for two years.

Mr. Guy Varland

Contractor Architecture Lead
USNORTHCOM

Mr. Varland served as the Lead Architect responsible for the Enterprise Architecture (EA) developed to support the USNORTHCOM HD/CS CBA, one of DoD's Top 25 Transformational Initiatives. The HD/CS CBA Architecture is a single Enterprise Architecture for 10 NORAD and USNORTHCOM Joint Capabilities Integration and Development System (JCIDS) documents, exemplifying the true utility of an integrated architecture per JCIDS. His previous EA initiatives include Lead Architect for the NORAD Homeland Air and Cruise Missile Defense and USNORTHCOM Maritime Homeland Defense CBAs. Additionally, Mr. Varland has supported the Serco EA Team on two Coast Guard EA efforts (involving application of new biometrics technologies for Boarding Teams and modeling Migrant Interdiction Operations), a new Intelligence, Surveillance and Reconnaissance (ISR) data link for the Air Force Research Laboratory and Global Strike EA initiatives for the Air Force Electronic Systems Center.

Mr. Varland is a retired Naval Officer and F/A-18 pilot with command experience of an operational F/A-18 squadron and the Strike Fighter Weapons School, Atlantic. He flew 27 combat missions in Desert Storm, flew other combat missions in Kosovo and Libya, accumulating over 4300 flight hours and 750 carrier landings over his Naval Aviation career. After retirement from the Navy, Mr. Varland also served with United Airlines for 3 years as a 737/727 pilot before embarking on a defense contractor career with Serco. His education background includes a BS in Electrical Engineering from Oregon State University and an MA in National Security and Strategic Studies from the Naval War College.

Mr. Michael Wayson

Senior Systems Architect, Enterprise Architecture & Standards
Office of the DoD Chief Information Officer

Mr. Michael L. Wayson serves as the Senior Systems Architect with the Enterprise Architecture and Standards Directorate, Office of the Assistant Secretary of Defense, Networks and Information Integration. He is responsible for formulation and coordination of Architecture Policy for the Department of Defense.

In his twenty-two years of service in the Air Force, Mr. Wayson has held a variety of positions, including command of an Air Force Recruiting Squadron covering all six New England states. In addition, he acquired a wide range of technical experience in supporting the Strategic Air Command, the North Atlantic Treaty Organization, Air Force Recruiting Service, Air Education and Training Command, the Defense Information Systems Agency, the Office of the Secretary of the Air Force, and the Office of the Secretary of Defense.

Mr. Wayson was born in Annapolis, Maryland. He graduated from the University of Maryland with a Bachelor of Science degree in Computer Science. An Air Force Reserve Officer Training Corps Scholarship Graduate. He also received a Master of Science in Systems Management from the University of Southern California.

Mr. Dave Wennergren

Deputy CIO
DoD

David Wennergren serves as the Deputy Assistant Secretary of Defense for Information Management and Technology / Deputy Chief Information Officer, providing top-level advocacy in creating a unified information management and technology vision for the Department and ensuring the delivery of the capabilities required to achieve the Department's transformation to net centric operations. In addition to his duties as Deputy CIO, Mr. Wennergren is the Vice Chair of the U.S. Government's Federal CIO Council. He also serves as the Chair of the Department of Defense Identity Protection and Management Senior Coordinating Group, which provides senior oversight and coordination of biometric, smart card, and PKI initiatives across the Department of Defense.

Prior to his current assignment, Mr. Wennergren served for four years as the Department of the Navy Chief Information Officer (DON CIO), where he was responsible for the development and use of information management / information technology (IM/IT) and creation of a unified IM/IT vision for the Navy – Marine Corps team. During that time he was also the Department of the Navy's Critical Infrastructure Assurance Officer.

Mr. Wennergren received his B.A. in Communications/Public Relations from Mansfield State University. He was a recipient of a Secretary of the Navy Civilian Fellowship in Financial Management, culminating in a master's degree in Public Sector Financial Management from the University of Maryland's School of Public Affairs. Mr. Wennergren was selected as the Government Computer News 2005 Defense Executive of the Year, and received the 2006 John J. Franke Jr. Award from the American Council for Technology, the Federal Computer Week 2006 Eagle Award, and three Federal Computer Week Fed 100 Awards as well as the Computerworld Premiere 100 Award.

Mr. Martin Westphal

Executive Director, Joint Concept Development Directorate Forward
JFCOM

Martin Westphal is responsible for management of the Joint Command and Control Capability Development on behalf of the Commander, Joint Forces Command. He supports JFCOM oversight of all Department of Defense joint command and control programs, He serves as a senior level representative to a wide variety of defense external agencies, multi-national and industrial forums. He conducts liaison with the Uniformed Services and Combatant Commands, focusing on the coordination of DoD capability development, resourcing and acquisition processes in support of warfighter requirements, providing integrated, enduring and timely solutions to the user across the breath of the Joint and Multinational command control portfolio.

From 1976 to 1998 Westphal served in the Marine Corps in a variety of armor and infantry command and staff assignments in combat and garrison. His military education includes the Armor Officer Basic and Advanced Courses,

Marine Aviation and Weapons Tactics Squadron One Instructor Course, Distinguished Graduate of the USMC Command and Staff College, and the USMC School of Advanced Warfighting.

Westphal began his civilian government service in 1998. Most recently he was assigned as the Executive Director, Command and Control Integration Division, Marine Corps Combat Development Command, Quantico, VA. He served as the executive agent for Command and Control Capability Portfolio Management and as the key liaison and advocate for Marine operating forces determining and developing command and control capabilities and enhancements and ensuring needed capabilities were integrated into the Marine Corps' requirements and resource allocation systems. He oversaw the identification of shortfalls in warfighting capabilities, developing and executing near and long-term solutions enhancing Marine Corps command and control capabilities. His responsibilities included integrating capability shortfalls identified through the Joint Capabilities Integration and Development System into the Defense Department requirements, resource allocation, and acquisition processes. As the Marine Air Ground Task Force Command and Control overseer he ensured existing and planned command and control systems were synchronized to achieve command and control interoperability and integration objectives identified by Marine Corps senior leadership. Mr. Westphal was also responsible for all operational architecture development supporting the Marine Corps.

Westphal's Joint and Multinational civilian service includes assignments as a Combatant Command Liaison Office, Operational Integration Team Chief, and Plans Division Head, Plans and Policy Directorate at the Joint Warfare Analysis Center, Naval Surface Warfare Center, Dahlgren, Virginia.

He received several military and civilian awards for meritorious service, has been published in journals, and provided numerous presentations to scientific, management, and combat and material development forums. He is a recognized leader and innovator in capability portfolio management implementation, operational architecture, and command and control capability development

Mr. Brian Wilczynski

Director, Enterprise Architecture & Standards
Office of the DoD Chief Information Officer

Mr. Wilczynski has held a broad range of information technology positions within the Department of Defense (DoD) at the agency, Military Department, and Office of the Secretary of Defense levels in his 23 years of service. He currently serves as Director of Enterprise Architecture & Standards (EA&S) within the Office of the DoD Chief Information Officer. In this capacity, he reports directly to the Deputy Assistant Secretary of Defense for Information Management, Integration, & Technology/Deputy Chief Information Officer. The EA&S Directorate is responsible for enterprise architecture policy and guidance and for establishing the frameworks and standards with which all Department architectures must conform.

Prior to his current assignment Mr. Wilczynski served as Deputy Director of the Architecture & Interoperability Directorate. In that capacity he was responsible for daily operations and taskings in support of the Director. As

Deputy Director, he was responsible for overseeing the successful execution of major initiatives, including the DoD Architecture Framework (DoDAF) revision from its initiation in July 2007. Prior to his positions in the Office of the DoD CIO, he has held the position of Chief Technical Architect in the Transformation Support Office, Office of the Undersecretary of Defense for Acquisition, Technology & Logistics and served for seven years on the staff of the Department of the Navy Chief Information Officer (DON CIO). While on the DON CIO staff, he led architecture and data management efforts and, along with the Navy and Marine Corps staff, led efforts to implement software application management across the Department. He was awarded the Department of the Navy Meritorious Civilian Service Award in November 2002.

Mr. Wilczynski began his civilian service with the Defense Mapping Agency (DMA) and its successor organization, the National Imagery and Mapping Agency. His first assignments as a cartographer developing digital products led to an interest, and higher level education, in the information technology field. In addition to his production mapping positions, he served as a production engineer and computer specialist supporting the development of architectures and standards for the geospatial community. He was selected for the DMA Outstanding Employee of the Year Award in 1993.

Mr. Wilczynski received his Bachelor of Science in Forestry from Michigan Technological University in 1980 and his Master of Science in Information Systems from The George Washington University in 1996. He is a graduate of the Federal Executive Institute and has earned a CIO Certificate in Federal Executive Competencies from the Federal CIO Council's CIO University.

Mr. Dennis Wisnosky

Chief Architect and Chief Technical Officer
Business Mission Area

Mr. Dennis E. Wisnosky is the Chief Architect and Chief Technical Officer (CTO) of the Department of Defense (DoD) Business Mission Area within the Office of the Deputy Chief Management Officer.

As Chief Architect and CTO, Mr. Wisnosky is responsible for providing expert guidance and oversight in the design, development, and modification of the federated architectures supporting the Department's Business Mission Area. This role incorporates oversight of the DoD Business Enterprise Architecture (BEA) - the corporate level systems, processes, and data standards that are common across the DoD, in addition to the business architectures of the services and defense agencies. Mr. Wisnosky ensures that the federated architectures of the BMA fully support the Department's vision, mission, strategy and priorities for Business Transformation, and that each tier of the overall architecture is clearly defined with appropriate focused accountability aligned to the management structure of the DoD. He verifies that the BEA and component architectures remain consistent and compliant with the Federal Enterprise Architecture (FEA), and will support and collaborate with the DoD Components to unify architecture planning, development, and maintenance

through a federated approach. Mr. Wisnosky also serves as an advisor on the development of requirements and extension of DoD net-centric enterprise services in collaboration with the office of the DoD Chief Information Officer.

Mr. Wisnosky has over 25 years of experience in Information Technology (IT) consulting and training, including extensive experience in business process reengineering and enterprise architecture efforts. His specialty is deriving solutions to effectively move organizations from their “as-is” state of inefficiency to their “to-be” state of achieving strategic and tactical objectives. Mr. Wisnosky is recognized as a creator of the Integrated Definition (IDEFs) language, the standard for modeling and analysis in management and business improvement efforts. In addition, he is the author of several books including DoDAF Wizdom, considered the decisive source within DoD and other government organizations for managing enterprise architecture projects. Mr. Wisnosky holds a Bachelor’s degree in Physics and Mathematics from California University of Pennsylvania, a Master’s in Management Science from the University of Dayton, and a Master’s in Electrical Engineering from the University of Pittsburgh. Mr. Wisnosky has received numerous awards and honors for his work. In 2007 Mr. Wisnosky was a recipient of Federal Computer Week’s Federal 100 award.

Mr. Wisnosky is a PADI certified Rescue Diver and Instrument Rated Private Pilot in Multiengine Air Craft. He and his wife, Rosemary live in Naperville, Illinois. They have three daughters.

Mr. John Zachman

President
Zachman International

John A. Zachman is the originator of the “Framework for Enterprise Architecture” which has received broad acceptance around the world as an integrative framework, or “periodic table” of descriptive representations for Enterprises. Mr. Zachman is not only known for this work on Enterprise Architecture, but is also known for his early contributions to IBM’s Information Strategy methodology (Business Systems Planning) as well as to their Executive team planning techniques (Intensive Planning).

Mr. Zachman retired from IBM in 1990, having served them for 26 years. He is Chief Executive Officer of the Zachman Institute for Framework Advancement (ZIFA), an organization dedicated to advancing the conceptual and implementation states of the art in Enterprise Architecture. He presently is Chairman of the Board of Zachman Framework Associates, a worldwide consortium managing conformance to the Zachman Framework principles. He also operates his own education and consulting business, Zachman International.

Mr. Zachman serves on the Executive Council for Information Management and Technology of the United States General Accounting Office. He is a Fellow for the College of Business Administration of the University of North Texas. He serves on the Advisory Board for the Data Resource Management Program at the University of Washington and on the Advisory Board of the Data Administration Management Association International (DAMA-I) from whom he was awarded the 2002 Lifetime Achievement Award. He was awarded the 2004 Oakland University, Applied Technology in Business (ATIB) Award for IS Excellence and Innovation.

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TAKING IT BACK

The conference ends, you had a great experience, and now the boss wants to know if it was worth the expense. What's the ROI? You may or may not have to make a trip report, but you definitely want to share the information you got with your organization. Here are some tips:

- ▶ Manage your ideas. Summarize actions you want to take and what their impact can be.

- ▶ Jot down people you met, or speakers you heard but did not get a chance to meet that you want to follow-up with.

- ▶ List references that you heard that you want to pursue when you return to the office.

60

Take the 60 minute challenge! Invest an hour to review the notes you have made in the guidebook. Distil the most valuable information; decide which key contacts you need to follow-up with; define ideas that you want to make happen and start developing these new ideas right away.



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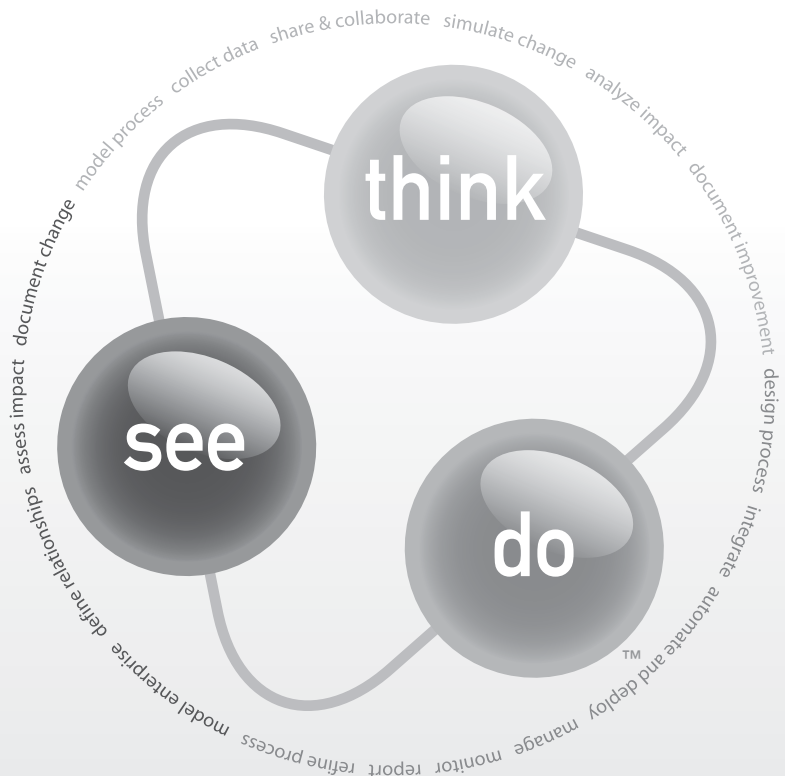


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