



**Analyzing Future 21st Century National Security Challenges:  
Strategic Reconnaissance and Creative Thinking  
to Prevent Strategic Surprise**

**Third Annual Proteus Futures Academic Workshop  
16-18 September 2008**

**Center for Strategic Leadership, U.S. Army War College  
Carlisle Barracks, PA**

**Tuesday, 16 September 2008 – Bliss Auditorium**

**0700–0830** Participant Arrival, Workshop Registration, and Continental Breakfast

**0830–0840** Commandant's Welcome, MG Robert Williams, USAWC

**0840-0900** Admin and Proteus Workshop Overview and Remarks, Mr. Bill Waddell, CSL

**0900–0930** “Vision 2015 A Global Networked and Integrated Intelligence Enterprise,” Mr. Patrick Gorman, ADDNI/Strategy, Plans and Policy ODNI

**0930-1015** Keynote: “Strategic Reconnaissance in an Age of Complexity,” Mr. Kenneth Knight, National Intelligence Officer for Warning, ODNI

**1015-1030** Break

**1030-1120 Panel #1:** “Future Trends and Implications in Governance, Politics, and Conflict”  
**Moderator:** Dr. Phil Williams, Visiting Scholar, Proteus USA

- “The Future of Global Systems: Collapse or Decline?” Dr. Phil Williams
- “Getting it Right the Second Time; Recreating a Stable World Order at the Edge of Chaos,” Dr. Thomas Bowditch, Strategic Initiatives Group, Center for Naval Analyses

**1130–1245** Lunch: “Trends and Shocks in the Future Security Environment,” Dr. Thomas G. Mahnken, Deputy Assistant Secretary of Defense for Policy Planning



**Tuesday, 16 September 2008 – Bliss Auditorium**

**1250-1500 Panel #1:** Continued

**Moderator:** Dr. Phil Williams, Visiting Scholar, Proteus USA

- “Groupcraft and National Security,” Mr. William G. Glenney, IV, Deputy Director, CNO Strategic Studies Group
- “Transparency and Geopolitics: Future Issues,” Mr. Matt Sollenberger and Mr. Josh Calder, Social Technologies
- “Patterns, Trends and Force Implications,” Colonel Steven Zotti, Director, Strategic Vision Group , U.S. Marine Corps
- “Return From Westphalia: The Blurring of Identity, Politics, and Security,” Dr. David Kanin, Long Range Ethnic Religious and Identity Issues, ODNI

**1500-1515** Break

**1515-1715 Panel #2:** “Future Trends and Implications in Economics, Resources, Globalization and the Environment.”

**Moderator:** Ms. Carol Dumaine, Energy and Environmental Security, Office of Intelligence and Counterintelligence, U. S. Department of Energy

- “Mixing Oil and Water: Are ‘resource wars’ the wave of future international conflicts?” Mr. Arnold C. Dupuy, PhD candidate, VA Polytechnic Institute and State University, National Capitol Region Campus
- “Implications of Globalization and Environmental Change in the Maritime Arctic,” Dr. Lawson W. Brigham, Deputy, U.S. Arctic Research Commission
- "Leveraging Intelligence of the Whole: An Ecosystem Approach To Strategic Intelligence on Energy and Environmental Security," Ms. Carol Dumaine

**1815–2100** Cocktails and Dinner: “The Millennium Project and Some Long-term Strategic Issues,” Dr. Jerome C. Glenn, Director, Millennium Project, WFUNA



**Wednesday, 17 September 2008 – Bliss Auditorium**

**0730–0800** Continental Breakfast

**0800-0845** “The Extreme Future: Towards a New Paradigm for Forecasting and Managing Global Risk in the 21st Century,” Dr. James Canton, CEO & Chairman, Institute for Global Futures

**0845–1200 Panel #3:** “Future Trends and Implications in Demography, Societies and Cultures.”

**Moderator:** Dr. Joseph Chamie, Center for Migration Studies

- “Demographics and Future Global Security,” Dr. Joseph Chamie
- “Population Aging and US National Security” Dr. Jennifer Dabbs Sciubba, Rhodes College
- “Doing Windows in Wanlaweyn? Youth Bulges, Culture, and Governance in the U.S. Central Command States,” Col Otto J. Rutt, USMC

**1000-1015** Break

- “Future Catastrophic Convergence 2030: Transnational Criminals, Jihadi Terrorist Networks, and WMD,” Mr. Jeremy Tamsett, Henley-Putnam University
- “The Future of Transnational Organized Crime: Political Branches, Economic Roots - A Case Study of Russian Organized Crime,” Ms. Heather Williams, Analytic Services, Inc.

**1200–1230** “Futures Education: A Critical National Priority,” Dr. Peter C. Bishop, University of Houston

**1245–1345** Lunch: “State 2025: 21<sup>st</sup> Century Diplomatic Challenges,” Mr. Andrew Reynolds, Deputy and Chief of Staff, Office of the Science and Technology Adviser to the Secretary of State



**Wednesday, 17 September 2008 – Collins Hall**

**1400–1715 Panel # 4 A&B:** “Future Trends and Implications in Science and Technology.”

**Panel # 4A (18<sup>th</sup> Infantry Conference Room)**

**Moderator:** Mr. Kevin Cogan, Command and Control Group, US Army War

- “Technology Acceleration: Sense-Shoot-Command on the Battlefield After Next,” Mr. Kevin Cogan
- “Cyber Threats; The Shortsighted Long View,” Dr. Tom Longstaff, Johns Hopkins Applied Physics Laboratory

**1450-1505 Break**

- “The New Technologies and the World Ahead: The Top 20 Plus 5,” Dr. James H. Irvine and Ms. Sandra Schwarzbach, U.S. Naval Air Warfare Center Weapons Division, Revolution In Military Affairs Center
- “Implications of Trends in Biometric Technologies: Military Opportunities and Challenges,” Lt Colonel Rod Azama (USA Ret.), The Chancellor Group and Mr. Sam DeWolfe, Computer Sciences Corporation

**Panel # 4B (22<sup>nd</sup> Infantry Conference Room) - 1450-1505 Break**

**Moderator:** Mr. Tim Rosenberg, White Wolf Security

- “Future Information Technology Trends, Threats and Opportunities,” Mr. Tim Rosenberg
- “Wiring Societies of Minds for Survival: Reflections on Networked Brains, Choice, and Change,” Dr. Margaret M. Polski, Center for the Study of Neuro-Economics, George Mason University

**1450-1505 Break**

- “Challenges of Resource Integration for C2 Collaborations Within Virtual Environments,” Mr. Robert Holder and Mr. R. Scott Cost, Johns Hopkins University, Applied Physics Laboratory
- “Management of R&D: Planning for the Accelerating Pace of Technologies,” Mr. Edward Zelinski, Director, Strategic Operations, Northrop Grumman Corporation

**1800–2100 Dinner in Carlisle (on your own)**



**Thursday, 18 September 2008 –Collins Hall**

**0730–0800** Continental Breakfast (Second Floor)

**0800-1200** Panel #5 A&B “Advanced Futures and Foresight Analytical Methods, Processes and Approaches.”

**Panel # 5A (18<sup>th</sup> Infantry Conference Room)**

**Moderator:** Mr. Michael Jeffress, National Intelligence Office for Warning

- “Assessing Foresight Capabilities,” Ms. Terry E. Grim, Social Technologies Inc.
- “Advance Futures: Collaborative Foresight,” Dr. Michael Jackson, Shaping Tomorrow

**1015-1030** Break

- “Trend Analysis as Pattern Recognition,” Dr. Stephen M. Millett, Futuring Associates LLC
- “Complementing the NIC Report: Adding Important Domains, Providing Alternatives to Selected NIC Conclusions,” Dr. Barton Kunstler, Author, Independent Consultant
- “The Future Joint Operational Environment,” Mr. Paul Martin, Center for Joint Futures, U.S. Joint Forces Command

**Panel # 5B (22<sup>nd</sup> Infantry Conference Room)**

**Moderator:** Mr. Robert Allen, G2, U.S Army Training and Doctrine Command (TRADOC)

- “U.S. Army Future Methodologies: A Look at 2025 and Beyond,” Mr. Robert Allen
- “The Project on National Security Reform (PNSR): Vision Working Group Methodology and National Security Scenarios,” Dr. Sheila R. Ronis, PNSR Vision Working Group, Walsh College
- “Imagination Management: Visualizing Future Scenarios,” Dr. David J. Staley, Department of History, The Ohio State University and The D Staley Group LLC

**1015-1030** Break

- “Long Tail Intelligence: Leveraging Niche Capabilities for Strategic Insight,” Mr. Joshua Work, iSIGHT Partners
- “The Power to Change the World: 22 Signature Patterns of Change,” Mr. Graham Molitor, Public Policy Forecasting, LLC



**Thursday, 18 September 2008 –Collins Hall (Ardennes)**

**1200-1220** Panel Wrap-up and Way Ahead, Mr. Bill Waddell

**1220-1315** Light Lunch

\*\* Note: All Breaks will be taken periodically between panel presentations as opportunity dictates

\*\* Panels: each member will have 20 minutes to present. A combined discussion with Q&A will be conducted after all panel presentations and the panel is seated