



# AIR UNIVERSITY RESEARCH BULLETIN 2012

Inside this issue:  
Selected Research and  
Publications from  
Air University (AU)  
Graduate-Level Schools

3 Research at Air University

6 Contributions by AU Faculty  
Profession of Arms—6  
Military Studies—6  
Warfare Studies—8  
Leadership Studies—9  
International Security Studies—10

14 Award Winning Authors

18 Contributions by  
AU Graduates  
Profession of Arms—18  
Military Studies—19  
Warfare Studies—21  
Leadership Studies—25  
International Security Studies—26  
Communications Studies—29

31 AU Research at  
Maxwell and  
Wright-Patterson AFBs

## Air University Commander's Welcome by Lt Gen David S. Fadok

The Air University (AU) exists for the benefit of the nation as the intellectual and leadership center of the Air Force. Its mission is to provide the full spectrum of Air Force education—from precommissioning to the highest levels of professional military education (PME), including degree-granting and professional continuing education for officers, enlisted, and civilian personnel. The university's PME programs educate USAF, joint, civilian, and international students on national and world security issues, with a special focus on the capabilities and roles of airpower across the air, space, and cyberspace domains. The programs focus on the knowledge and skills needed to develop, employ, and command airpower at the highest levels. As part of this educational process, AU conducts relevant, responsive, and forward-thinking research in the global war on terror, homeland defense, force development, the nuclear enterprise, intelligence, technology, strategic planning, cyberspace, as well as history and lessons learned.

Each year we ask senior leaders within the Interagency, Department of Defense, Air Force, major commands, combatant commands, and other services to provide topics that are of interest to them, their commands, and the broader national security community. For academic year (AY) 2012, on which this 12th *Air University Research Bulletin* reports, we received over 400 prioritized research topics. I thank the contributors for their efforts, which help the AU in-residence colleges build their research agendas. Those important topics became the subject of much of the research accomplished by the students of Air War College (AWC), Air Command and Staff College (ACSC), the School of Advanced Air and Space Studies (SAASS), and the Air Force Institute of Technology (AFIT), as well as the Air Force Fellows (AFF) who are assigned to leading civilian universities and think tanks. AU provides the completed research paper to the sponsor in the hope it sheds new light on the issue, and with the expectation for feedback to continue improving our university's research engagement with senior civilian and military leaders.

Air University graduates generate high-quality research products that meet or exceed their institutions' standards for publication or posting on the Internet. This bulletin includes those research titles, identifies the award-winning papers, and also highlights the contributions of Air University's military and civilian faculty. The entries are organized by topical categories (listed under Contributions by AU Faculty and Contributions by AU Graduates in the table of contents to the left). All of AU's research will be made available through our Muir S. Fairchild Research Information Center.

# Air University Research Contacts

Affiliations/Organizations as of December 2011



Lt Gen David S. Fadok  
Commander and President,  
Air University  
David.Fadok@maxwell.af.mil



Gen John A. Shaud, PhD (USAF, Retired)  
Director, Air Force Research Institute  
Air University (AFRI/CC)  
John.Shaud@maxwell.af.mil



Dr. Chris Cain  
Deputy Director,  
Air Force Research Institute  
Air University  
Chris.Cain@maxwell.af.mil



Col Alan Hunt  
Associate Dean for Academic Programs  
Air War College (AWC)  
Alan.Hunt@maxwell.af.mil



Dr. Heidi R. Ries  
Dean for Research  
Air Force Institute of Technology  
(AFIT/ENR)  
Heidi.Ries@afit.edu



Dr. James Tucci  
Director of Student Research  
School of Advanced Air and Space Studies  
(SAASS)  
James.Tucci@maxwell.af.mil



Lt Col Thomas McGuire  
Director of Research, Air Command and  
Staff College (ACSC)  
Thomas.McGuire@maxwell.af.mil



Lt Col Ronald Ruppel  
Director of Air Force Fellows (AFRI/RIF)  
Ronald.Ruppel@maxwell.af.mil



Mr. Stan Norris  
Director, Spaatz Academic Centers  
(Spaatz/AR)  
Stan.Norris@maxwell.af.mil



Dr. Anthony Gould  
Chief, Outreach Division  
Air Force Research Institute (AFRI/RIJ)  
Anthony.Gould@maxwell.af.mil

# Research at Air University

Gen John A. Shaud, USAF Retired  
Air Force Research Institute Director

Our goal at AU is to be the premier source of advanced airpower ideas for the United States Air Force. The CSAF formally established the Air Force Research Institute (AFRI) in 2008 to serve as a focal point for tackling the significant research issues that challenge the Air Force and the nation now and in the future. In addition, AU has outstanding faculties, students, and professional researchers on our campus at Maxwell AFB, as well as the Air Force Institute of Technology at Wright-Patterson AFB (WPAFB), Ohio, who play key roles in AU's efforts.

This group of professionals brings together unparalleled academic credentials in science, technology, and liberal arts coupled with combat experience in military aviation and support areas. They bring in many unique operational experiences ranging from special forces in irregular warfare to the nuclear enterprise. This experience base contributes immeasurably to the quality of AU research.

*The AU Research Bulletin* is an example of AFRI's mission of research, outreach, and engagement (ROE). It publicizes AU's research on important topics solicited through our engagement with senior civilian and military leaders. Our primary objective in publishing the bulletin is to recognize the best of these research accomplishments. Accordingly, we highlight faculty and student research, the latest AU Press publications, and the activities of AU's specialized centers.

This publication's goal is to engage the larger national security community and foster communication about a broad range of matters related to research at AU. It is also designed to help recognize an important dimension of AU's service to the Air Force and the rest of the defense community.

## AFIT Research Program

Dr. Heidi R. Ries, AFIT Dean for Research

Research at AU includes both technological research, undertaken primarily at the Air Force Institute of Technology at WPAFB in Dayton, Ohio, and research on doctrine, strategy, and the art of war, conducted at the schools at Maxwell AFB, Alabama.

Research accomplishments of AFIT's faculty and resident graduate students at WPAFB are reported separately from this *AU Research Bulletin* in the *AFIT Gradu-*

*ate School of Engineering and Managements Annual Report, Research Report, and Research News.*

Electronic versions of these publications are available at <http://www.afit.edu/en/enr/index.cfm>. Award-winning accomplishments are included in these publications as well. Questions may be addressed to [research@afit.edu](mailto:research@afit.edu).

## Air Force Research Institute

Dr. Chris Cain, AFRI Deputy Director

The Air Force Research Institute conducts independent research, outreach, and engagement to enhance national security and ensure the effectiveness of the US Air Force. AFRI also advances the theory and application of air, space, and cyberspace power through scholarly analysis, professional journals, printed and electronic media, and collaborative projects. The institute performs a number of missions. First, AFRI takes on assignments and generates ideas related to airpower that are developed and disseminated via a variety of research products. Second, AFRI manages and publishes two Air Force flagship outreach publications: *Strategic Studies Quarterly (SSQ)* and the *Air and Space Power Journal (ASPJ)*. SSQ is a refereed journal of ideas and issues that serves the greater defense community through scholarly debate about warfare, strategy, national and international security, and defense policy. ASPJ has served since 1947 as a forum for exchanging ideas about operational airpower and other matters relating to national defense. It is now published in six languages (English, Arabic, Chinese, French, Spanish, and Portuguese) and distributed to more than 90 countries worldwide. Third, AFRI facilitates AU student and faculty research by managing the AU Commander's Research Board process, the annual call for topics, and associated research management database and Web sites. Research support falls under the AFRI Engagement Division charged with hosting, co-hosting, or sponsoring conferences on behalf of the AU commander or AFRI director. In addition, the Engagement Division formats and posts AU faculty and student research papers online for future reference and publishes the annual *AU Research Bulletin* to document each year's research activities. Of note, AFRI networks with other DOD research centers and staff agencies to provide both a stimulus for original research and multiple venues for disseminating/sharing key airpower ideas. It is through these diverse resources, programs, and services that the Air Force Research Institute generates and delivers high-quality intellectual throw weight in the key areas of research, outreach, and engagement.

# AU Research Bulletin – AY 2012

## AFRI Research and Publication Opportunities

Dr. Daniel Mortensen, AFRI Dean

AFRI Papers and Quick Looks are occasional publications sponsored by the Air Force Research Institute. All are dedicated to promoting understanding of air, space, and cyberspace power theory, doctrine, and application. These studies are published by AU Press and are broadly distributed to the USAF, the Joint Staff and joint commands, DOD, and other governmental organizations, sister-service PME schools, selected universities, military and civilian think tanks, and leading scholars. All publications are available through the Muir S. Fairchild Information Research Center at <http://www.au.af.mil/au/aul/lane.htm> or on the AU Press web site at <http://aupress.au.af.mil/>. The current series is also generally available in hard copy from the AU Press.

## SECAF, CSAF, and Senior AF Leaders Commission AFRI Research

Conceived to provide independent analysis of a wide range of issues related to airpower theory, doctrine, and employment, the AFRI Papers additionally emphasize concepts of operations. The purpose of the papers is to provide research products that will underwrite mature decision making by the Air Force and joint war fighters, as well as support education, doctrine development, and research at AU. Research commissioned by AF Senior Leadership is not published in the public domain.

In AY 2012, AFRI researchers prepared briefings for high-level decision makers and wrote dozens of journal articles, with many published in several foreign languages. AFRI solicits and edits publications to further its research agenda and support the Air Force Mission.

AFRI has published Air Force directed research on:

- SECAF Directed Research:
  - Thunderbirds Air Production Services Contract Case Study and Review of Officer Education and Training

- CSAF Directed Research:
  - AF Leader Development
  - AF Acquisition Reform
  - Airpower Command and Control
  - OEF/OIF Lessons Learned—In partnership with HAF A9

## Quick Looks and Blue Darts

Air University produces two types of short-impact papers. The first, used mostly by staff researchers assigned to AFRI, are one- to two-page papers, called Quick Looks (QL). QLs help analysts and researchers conceptualize their ideas. Through selective distribution of QLs, analysts gain feedback to guide continuing research. These short products are written early in the writing process and follow an established formula: they identify a problem or issue, provide a short historically based background discussion, and provide actionable recommendations in bullet format. Supplementing QLs, but written at the completion of a research project or paper, are Air University Blue Darts (BD). BDs are written in the style of an opinion/editorial (op-ed) piece—to pass along one's opinion and to entice readers to follow up by reading the completed research paper, article, or book. BDs are limited to 750 words and targeted for civilian media audiences. The AU commander has directed that all research submissions longer than 19 pages be accompanied by a publishable Blue Dart. These op-ed pieces are sent to interested parties including paper sponsors.

## Publication Opportunities

All faculty and students assigned to AU, as well as individuals throughout the Air Force, are invited to submit unclassified manuscripts to AFRI for publication consideration. Manuscripts should pertain to USAF and airpower doctrine, strategy, concepts of operations, and items of particular interest to the leadership of the Air Force and other primary decision makers.

# AY 2012 Fellows and Intern Programs

## Lt Col Ronald Ruppel, Air Force Fellow Director

Each AY 2011–2012 Air Force Fellow (AFF) had a major impact on the military, academia, and industry, as well as the executive and legislative branches of government. In their role as Air Force ambassadors to their respective institutions, the Fellows skillfully provided insights on a wide spectrum of issues such as national security policy, future technologies, and doctrine. Their involvement included:

- Participating in national security forums and working groups
- Providing media interviews, lectures, and speeches
- Hosting seminars, workshops, and war games

Air Force Fellows also had unique access to senior civilian and military leaders across the globe. This enabled them to increase their national security policy or DOD doctrinal expertise and provided them the opportunity to broaden their leadership skills while championing Air

Force capabilities and influencing future policy initiatives across all services. Finally, their professionalism and dedication greatly strengthened defense partnerships with the academic, industrial, and policy communities.

In addition, each AFF also conducted cutting-edge research on issues vital to national security, impacting doctrine implementation and addressing questions by the fast pace of cutting-edge technology development inside and outside the DOD. Their research represented significant scholarly advancement of thought on crucial defense policy and strategy developments. Furthermore, their evaluation of processes and policy proved invaluable to future US national security issues.

Finally, AFFs were also instrumental in furthering work at prestigious private research institutions, academic institutions, and centers of excellence. These include the Brookings Institution, the Weatherhead Center for Strategic and International Studies; universities such as Harvard, Stanford, and MIT; federally funded research and development centers such as RAND, Department of Energy (DOE) Labs at Oak Ridge, Los Alamos, Argonne, Idaho, and Livermore; and SECDEF corporate fellowships at Fortune 500 industry organizations.

## Research Bulletin Team

**Editor**

**Greg Sharpe**

**Layout & Graphics Design**

**L. Susan Fair**

**Technical Editor**

**Mary Moore**

**Prepress Production**

**Ann Bailey**

**Disclaimer: Opinions, conclusions, and recommendations expressed or implied within are solely those of the authors and do not necessarily represent the views of Air University, the United States Air Force, the Department of Defense, or any other US government agency. Cleared for public release: distribution unlimited.**

# Contributions by AU Faculty

## Profession of Arms

### **AF Commanders and Barriers to Entry into a Doctoral Business Program**

By Lt Col Anthony Williams  
ACSC, Article in *Journal of Education for Business*

### **Alumni Altruism: Added Value from Retired Employees**

By LTC Lee Pennington  
ACSC, Article in Georgia Southern University's *Southern Business Review*

### **Americanness**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch*

### **Civilian Combatants, Military Professionals?**

**American Officer Judgments**  
By Dr. Gary Schaub  
AWC, Article in *Defence Studies*, Vol. 10, No. 3

### **Decision Affront to Heroes**

By Professor Gene Kamena  
AWC, Article in *Montgomery Advertiser*

### **E Pluribus Unum: Open Homosexuality and the Culture War in the US Armed Forces**

By Lt Col Jim Parco and Dr Mike Allsep  
ACSC, Article in *Air and Space Power Journal*

### **Hard Days**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch*

### **In Defense of Fathers Who Serve**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch*

### **In the Service of the Nation: It Is Never Just Christmas**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch*

### **Mission and Morality**

By Professor Gene Kamena  
AWC, Article in *Small Wars Journal* and *The Wright Stuff*

### **Raising Cincinnatus: Race, Military Service, and Citizenship in the Jim Crow South**

By Dr. Paul Springer  
ACSC, Conference Paper for Southern Historical Association Annual Conference

### **Sexual Assault is not Who We Are**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff* and *Maxwell-Gunter Dispatch*

### **Those Who Also Serve**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch*

### **Towards an Inclusive Military**

By Dr. Amit Gupta  
AWC, Article in *Geopolitics*, Vol. 1, No. 4

## Military Studies

### **A Day with Panama's Embera Indians**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch*

### **A War It Was Always Going to Lose: Why Japan Attacked the United States in 1941**

By Dr. Jeffrey Record  
AWC, Potomac Books

### **Airpower, No Fly Zones, and Political Endstates**

By Dr. Doug Peifer  
AWC, Article in *The Wright Stuff*

### **The Ancient Art of War**

By Dr. James M. Tucci  
SAASS, Article in *The Journal of Military History*

### **The Art of Military Discovery: Researching Chinese Air and Space Power Implications for the USAF**

By Dr. Xiaoming Zhang  
AWC, Article in *Strategic Studies Quarterly*

### **The Battle of Cynoscephalae**

By Dr. James M. Tucci  
SAASS, Article in *The Encyclopedia of War*

# Contributions by AU Faculty

## **Chapter 6, Chinese Air Power**

By Dr. Xiaoming Zhang  
AWC, Article in *Global Air Power*

## **Deng Xiaoping and China's Decision to Go to War with Vietnam**

By Dr. Xiaoming Zhang  
AWC, Article in *Journal of Cold War Studies*

## **Defending the Joint Force: Lessons Learned from Joint Base Balad**

Co-authored by Lt Col Shannon Caudill  
ACSC, Article in *Air and Space Power Journal*

## **FDR, US Entry into World War II, and Selection Effects Theory**

By Dr. John Schuessler  
AWC, Article in *International Security*

## **Guard Wars: The 28th Infantry Division in World War II**

By Dr. Michael Weaver  
ACSC, Indiana University Press

## **Historical Principles and Practices of Counterinsurgency**

By Dr. James Kiras  
SAASS, Presentation at the Netherlands Defence Institute, Den Haag, Netherlands

## **Insurgent Airpower in Historical Perspective: An Overview and Prospectus for Research**

By Dr. Sebastian Lukasik  
ACSC, Conference Paper for 78th Annual Society for Military History Conference, June 2011

## **Investigating Across the Spectrum of Conflict: Air Force Office of Special Investigations Leaders and the Challenge of Identity**

By Lt Col Terry Bullard  
AWC, Article in *The Wright Stuff*

## **Leaving Vietnam: Insights for Iraq**

By Dr. Jeffrey Record  
AWC, Article in *Diplomatic History*

## **Miltiades**

By Dr. James M. Tucci  
SAASS, Article in *The Encyclopedia of War*

## **Morale of French Colonial Troops**

By Dr. William T Dean III  
ACSC, Article in *Scientia Militaria Journal of South African Military Studies*

## **Review Essay: Toward a Grand Strategy against Terrorism**

By Dr. James Kiras  
SAASS, Article in *Strategic Studies Quarterly*

## **The Role of Special Operations Forces**

By Dr. James Kiras  
SAASS, Presentation at the Fighting Small Wars in the New Century Conference, Nanyang Technical University, Singapore

## **Suicidal Armies: Why Do Non-State Actors Fight Like Conventional Armies?**

By Dr. Nori Katagiri  
AWC, Conference Paper at American Political Science Association

## **Terrorist Support Structures**

By Dr. James Kiras  
SAASS, Taught the Special Operations Combating Terrorism Course at Joint Special Operations University

## **Thinking About the Air Domain**

By Dr. Steven Wright  
SAASS, Chapters in *The IC [Intelligence Community] and Cyberspace: Traditions, Boundaries, and Governance* and Presentation at the DNI Conference IC [Intelligence Community] and Cyberspace: Traditions, Boundaries and Governance

## **Understanding How Non-State Actors Fight and Defeat Foreign States in War**

By Dr. Nori Katagiri  
AWC, Conference Paper at Texas Tech University Vietnam Center

## **We All Were There**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch* and *Small Wars Journal*

# Contributions by AU Faculty

## Warfare Studies

### **Ammianus Marcellinus**

By Dr. James M. Tucci  
SAASS, Article in *The Encyclopedia of War*

### **Appeasement Reconsidered: Reflections on the Road to War**

By Dr. Jeffrey Record  
AWC, Chapter in *Origins of the Second World War: An International Perspective*

### **Blue Horizons II: Future Capabilities and Technologies for 2030**

By Col Christopher Kinnan  
AWC, Monograph for the Center for Strategy and Technology

### **By Land and Sea: Non-Carrier Naval Aviation**

By Dr. S. Michael Pavelec  
SAASS, Chapter in *One Hundred Years of U.S. Navy Air Power*

### **The Case against Cyber Arms Control**

By Dr. John Sheldon  
SAASS, Op-Ed in *World Politics Review*

### **Challenges to U.S. National Space Policy**

By Dr. John Sheldon  
SAASS, Presentation at the National Security Space: Policy and Program Developments Roundtable, George C. Marshall Institute and the Space Enterprise Council, Washington, DC

### **Cyberwar**

By Dr. John B. Sheldon  
SAASS, Article in *Encyclopedia Britannica*

### **Cyberwarfare: The Invisible Threat: Year in Review 2010**

By Dr. John B. Sheldon  
SAASS, Article in *Britannica Book of the Year, 2011*

### **Essential Elements of Pure Strategy**

By Dr. Everett Dolman  
SAASS, Presentation at the US Army School of Advanced Military Studies (SAMS)

### **Establishing the Bundesmarine: The Convergence of Central Planning and Pre-existing Maritime Organizations, 1950–1956**

By Dr. Douglas Peifer  
AWC, Chapter in *Rearming Germany*

### **Finding a Victory**

By Professor Gene Kamena  
AWC, Article in *Small Wars Journal* and *Montgomery Advertiser*

### **Increasing the Military Use of Space**

By Drs. Everett Dolman and Henry Cooper  
SAASS/Marshall Institute, Chapter in *Space Power Theory*, Volume II

### **Is the Army Training System Millennial Friendly?**

By Professor Gene Kamena  
AWC, Article in *The Gryphon* and *Fires Bulletin*

### **The Jet Race and the Second World War**

By Dr. S. Michael Pavelec  
SAASS, Distinguished Lecturer, USAF Museum Distinguished Lecture Series

### **Leaving Manas: Planning for Strategic Redeployment**

By Dr. Dr. Jonathan Zartman  
ACSC, Presentation at the AETC symposium, January 2011

### **The Luftwaffe's Battle of Britain**

By Dr. Rich Muller  
SAASS, Presentation for the University of Calgary World War II New Perspectives Lecture Series, Calgary Aerospace Museum, Canada

### **Nobody Asked Me But . . . We Need to Square Away Navy Camouflage**

By CAPT Todd Kiefer  
AWC, Op-Ed in USNI Proceedings (1 May 2011)

### **Obama and the Path to Zero: Thrust and Vector versus Speed and Distance**

By Dr. Edwina Campbell and Dr. Lewis Griffith  
ACSC, Chapter in *Eine Welt ohne Atomwaffen?*

# Contributions by AU Faculty

## **Operational Testing: From Basics to Systems Test Capabilities**

By Col Mike Kometer, PhD  
SAASS, Article in *The ITEA Journal*

## **Reorganizing Romania's Military—Tread Water First, Then Swim**

By Dr. Donald A. MacCuish  
ACSC, Article in *Journal of Defense Resources Management, Romanian NDU*

## **Space Strategies and the US Air Force**

By Dr. Everett Dolman  
SAASS, Presentation at the Future Concepts Distinguished Speaker's Series, Pentagon, Washington, DC

## **Special Operations and Strategy**

By Dr. James Kiras  
SAASS, Lecture at the Naval War College

## **Strategy to Planning**

By Col Mike Kometer, Ph.D., and Dr. Steve Wright  
SAASS, Presentation at the 2011 Air Mission Planning Conference, London, UK

## **Stuxnet and Cyberpower in War**

By Dr. John Sheldon  
SAASS, Op-Ed in *World Politics Review*

## **The Technological Determinism of Military Strategy: SAC Adherence to Bombing Doctrine in the 1950s and 60s**

By Dr. S. Michael Pavelec  
SAASS, Presentation at the Society for the History of Technology Conference

## **Theory Ascendant? Spacepower and the Challenge of Strategic Theory**

By Dr. John Sheldon and Colin S. Gray  
SAASS, University of Reading, Chapter in *Toward a Theory of Spacepower: Selected Essays*

## **Toward a Theory of Cyberpower: Strategic Purpose in Peace and War**

By Dr. John Sheldon  
SAASS, Presentation at the EMC Chair-Sponsored Workshop on 'From Cybersecurity to Cyberwar,' Naval War College

## **We Need More Tooth, Less Tail**

By CDR Carl Forkner  
AWC, Article in *USNI Proceedings*, Vol. 136, No. 9

## **What's Wrong with Zero?**

By Dr. Charles Costanzo  
ACSC, Article in *Strategic Studies Quarterly* and *Air and Space Power Journal*, Chinese-language edition

## Leadership Studies

### **Apologizing—Putting Self Aside**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff*

### **A Calling for BIG Leadership at the Highest Levels**

By COL Eric Smith  
AWC, Op-Ed in *Montgomery Advertiser*

### **Credibility**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff*

### **DJs, Rock and Roll and the Club**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch*

### **Funhouses, Feedback and Fear**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff*

### **Good or Great**

By Professor Gene Kamena  
AWC, Article in *Air and Space Power Journal*

### **A Leader's Humor**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch*

### **Leadership on the Cheap**

By Professor Gene Kamena  
AWC, Article and Op-Ed in *The Wright Stuff*

### **The Leadership of the PLAAF after 2012**

By Dr. Xiaoming Zhang  
AWC, Article in *China Brief*

### **Leading in Times of Relative Austerity**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff*

# Contributions by AU Faculty

## **Mentoring: Finding Our Way to the Future**

By Professor Gene Kamena  
AWC, Article in *Fires Bulletin*

## **Millennials and Transformational Leadership**

By Professor Gene Kamena  
AWC, Article in *Fires Bulletin*

## **Muffled Voices**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch* and *Small Wars Journal*

## **Old Dogs and New Colonels**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff*

## **Planes Break, Plans Change, People Make Things Happen**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff* and *USAF Aim Points*

## **The Spectrum of Risk in Leadership**

By COL Eric Smith  
AWC, Op-Ed in *The Wright Stuff*

## **Strategic Trailblazers**

By Dr. Edwina Campbell  
ACSC, Article in *Strategic Studies Quarterly*

## **Taking the “Me” Out of Leadership**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff*

## **Understanding the Value of Reflection**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff*

## **Unit Cohesion and the Impact of DADT**

By Dr. Gary Schaub  
AWC, Article in *Strategic Studies Quarterly*

## **Warrior Monks, Rock Stars and House Guests**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff*

## **What’s Your Thing?**

By Professor Gene Kamena  
AWC, Article in *Montgomery Advertiser* and *Maxwell-Gunter Dispatch*

## **When Good Leaders Lie**

By COL Eric Smith  
AWC, Op-Ed in *The Wright Stuff*

## **When Leaders Die**

By Professor Gene Kamena  
AWC, Article in *The Wright Stuff*

## **When Planes Break, People Soar**

By Professor Gene Kamena  
AWC, Article in *Maxwell-Gunter Dispatch*

## International Security Studies

### **Act Now to Secure Borders**

By Professor Gene Kamena  
AWC, Article in *Montgomery Advertiser*

### **The African Standby Force, Stopping Genocide, & International Relations Theory**

By Dr. Steve Burgess  
AWC, Article in *Genocide Studies and Prevention*, Vol. 6, No. 2

### **Are Democracies Aggressive? Is the United States Aggressive? An Exchange**

By Dr. John Schuessler  
AWC, Article in *St. Antony’s International Review*

### **Astropolitik and the Case for an Increased American Presence in Outer Space**

By Dr. Everett Dolman  
SAASS, Presentation at the University of Michigan’s Summer Debate Institute

### **Brazil as a Regional Power**

By Dr. Derrick Frazier  
ACSC, Conference for IPSA/ECPR Joint Conference, February 2011

### **The Changing Demography of the United States and Public Security**

By Dr. Amit Gupta  
AWC, Conference Paper at Conference on Public Security New Delhi, India

# Contributions by AU Faculty

## **China, the German Analogy, and the New AirSea Operational Concept**

By Dr. Doug Peifer  
AWC, Article in *Orbis. A Journal of World Affairs*, Vol. 55, No. 1

## **Civil-Military Relations**

By Dr. Gary Schaub  
AWC, Chapter in *The Encyclopedia of Political Science*, Vol. 1

## **Comments on the Mass Atrocity Response Operations (MARO) Handbook**

By Dr. Steve Burgess  
AWC, Article in *Genocide Studies and Prevention*, Vol. 6, No. 1

## **Contemporary Counterinsurgency and the Future**

By Dr. James Kiras  
SAASS, Presentation at the Netherlands Defence Institute, Den Haag, Netherlands

## **Counterterrorism and Human Rights**

By Dr. James Kiras  
SAASS, Presentation at the Alabama School and University Partners for Educational Renewal (SUPER) Teacher Special Workshop, Auburn University

## **The Culture War Within**

Co-authored by Lt Col Jim Parco and Dr Mike Allsep  
ACSC, Article in *Armed Forces Journal*

## **Deciphering Cyberpower: Strategic Purpose in Peace and War**

By Dr. John Sheldon  
SAASS, Article in *Strategic Studies Quarterly*

## **Détente**

By Dr. Gary Schaub  
AWC, Chapter in *The Encyclopedia of Political Science*, Vol. 2

## **Deterrence: Relevance for the 21<sup>st</sup> Century**

By Dr. Steve Wright  
SAASS, Presentation at the Annual Baltic Conference on Defence, Tallin, Estonia

## **Economic and Demographic Trends in Cybered Conflict**

By Dr. John Sheldon  
SAASS, Presentation to the “Cybered Conflict, Threat Perceptions and Institutional Responses: A Comparative Analysis,” Workshop, Naval War College and Brown University

## **Failed State 2030: Nigeria, A Case Study**

By Col Christopher Kinnan  
AWC, Monograph for the Center for Strategy and Technology

## **From Failed Power Sharing in Rwanda to Effective Top Down Integration**

By Dr. Steve Burgess  
AWC, Conference Paper at Integration of Militaries after Conflict, Army War College

## **The Future of Indian Cricket**

By Dr. Amit Gupta  
AWC, Conference Paper at Royal Holloway College, London, UK

## **Gauging the Intent of Nation-States and Non-State Actors: An Operator’s Perspective**

By Dr. Gary Schaub  
AWC, Chapter in *From the Mind to the Feet: Assessing the Perception-to-Intent-to-Action Dynamic*

## **The Global Financial Crisis and Defense Spending: the US, Israel, and Taiwan**

By Dr. David Sorenson  
AWC, Conference Paper at American Political Science Association

## **Global Media Perspectives on the Crisis in Panama: June 1987–January 1990**

By Dr. Howard Hensel  
AWC, Ashgate

## **India, the IPL and Globalization**

By Dr. Amit Gupta  
AWC, Conference Paper at Royal Holloway College, London, UK

# Contributions by AU Faculty

## **India as a Regional Power**

By Dr. Derrick Frazier  
ACSC, Presentation at the SGIR Pan-European International Relations Conference, Stockholm, Sweden, September 2010

## **Indian Weapons Acquisition and Arms Production Patterns**

By Dr. Amit Gupta  
AWC, Lecture at Industrial College of the Armed Forces, Washington

## **India's Internal Security Dilemma**

By Dr. Amit Gupta  
AWC, Conference Paper at Forum of Federations, Ottawa, Canada

## **Military-to-Military Relations and National Security Space**

By Dr. John Sheldon  
SAASS, Presentation at the United National Institute for Disarmament Research (UNIDIR) and Secure World Foundation (SWF) Space Security Conference, The United Nations at Geneva, Switzerland and Article in *Strategic Studies Quarterly*

## **Minimum Deterrence and Its Critics**

By Dr. Jim Forsyth  
SAASS, Article in *Strategic Studies Quarterly*

## **A More Powerful China on Parade**

By Dr. Xiaoming Zhang  
AWC, Article in *China Security*

## **National Security**

By Drs. Everett Dolman and Jeff De Troye  
SAASS/NRO, Chapter in *The Historical Legacy of the Space Shuttle*

## **Pacted Transitions in the Middle East**

By Dr. David Sorenson  
AWC, Conference Paper at CENTRA Technology for USG Agency

## **Private Interests and Exchange Rate Politics:**

### **The Case of British Business**

By Dr. Mark Duckenfield  
AWC, Article in *European Union Politics*, Vol. 11, No. 3

## **Regional Powers and Regional Security Orders**

By Dr. Derrick Frazier  
ACSC, Presentation at the Stockholm International Peace Research Institute, September 2010

## **The Rehabilitation of North Korea after Kim Jong-Il**

By Dr. Lawrence Grinter  
AWC, Article in *Pacific Focus*, Dec 2010

## **Should Realism Return to its Roots?**

By Dr. John Schuessler  
AWC, Article in *International Studies Review*

## **South African Hegemony and Its Challengers**

By Dr. Steve Burgess  
AWC, Chapter in *To Support, Follow, or Challenge?*

## **South Africa's Nuclear Strategy**

By Dr. Steve Burgess  
AWC, Chapter in *Nuclear Security Strategies*

## **South Africa's Nuclear Weapons Program**

By Dr. Steve Burgess  
AWC, Chapter in *Handbook on Nuclear Proliferation*

## **Space Law and the National Security Professional**

By Dr. John Sheldon  
SAASS, Lecture at The National Center for Remote Sensing, Air and Space Law, The University of Mississippi School of Law

## **State-Sponsored Sanctuary of Armed Non-State Actors**

By COL Eric Smith  
AWC, Article in *The Wright Staff*

## **Strategic Challenges in Cyberspace**

By Dr. John Sheldon  
SAASS, Lecture for the Common Defense Lecture Series, Harvard Kennedy School of Government

## **Strategic Deterrence in an Evolving Multi-polar System**

By Dr. Michael Kraig  
ACSC, Presentation at the Joint Forces Education Conference, September 2011

## **The Strategic Rationale for Space Cooperation in the Middle East Region**

By Dr. John Sheldon  
SAASS, Article in *RUSI Journal*

# Contributions by AU Faculty

## **Sustainability of Strategic Minerals in Southern Africa and Potential Conflicts**

By Dr. Stephen Burgess  
AWC, Monograph in *USAF INSS Research Papers, 2010*

## **Sustainable Space Policies and Programs in an Era of Volatility**

By Dr. John Sheldon  
SAASS, Presentation at the 2011 Global Space and Satellite Forum, Abu Dhabi, United Arab Emirates

## **The Struggle for Resources in Southern and Central Africa**

By Dr. Steve Burgess  
AWC, Conference Paper at African Studies Association Convention

## **Terrorism and Globalization**

By Dr. James Kiras  
SAASS, Book Chapter in *The Globalization of World Politics: An Introduction to International Relations*, 5th Edition and *Introduction to Global Politics*

## **Winning Hearts and Minds to Lose Control: Exploring Various Consequences of Popular Support in Counterinsurgency Missions**

By Dr. Nori Katagiri  
AWC, Article in *Small Wars and Insurgencies*, Vol. 22, No. 1

# Award Winning Authors

**Maj Joseph A. Barry, USAF**

(ACSC–Lt Col Morgan D. Mackey)

*Bolstering United Nations Intelligence: Cultural and Structural Solutions*

**Dean's Award for US and International Security Studies**

**Lt Col Peter M. Bilodeau, USAF**

(AWC–Mr. Harry A. Foster)

*2035 Air Dominance Requirements for State-on-State Conflict*

**Red River Valley Fighter Pilots Association Award**  
- Air University Foundation

**Maj Elizabeth K. Blanchford, USAF**

(ACSC–Dr. Richard Smith)

*A Case Study Investigation into Creating a Joint Physical Evaluation Board*

**Office of the Secretary of Defense Award for Force Transformation**

**Lt Col Gentry W. Boswell, USAF**

(AWC–Dr. Barry R. Schneider)

*Addressing the Airborne Threat: Leveraging TARS to Defend the Homeland*

**Homeland Security and Defense Award**  
- USNORTHCOM

**Wg Cdr Ralph Brown, Royal Air Force**

(ACSC–Dr. Jeff Reilly)

*Does the Utility of Cyberwarfare Alter Our Approach to Design*

**Dean's Award for Joint Warfare and Air and Space Operations**

**Lt Col Steven E. Cahanin, USAF**

(AWC–Lt Col Michael J. Masterson)

*Principles of War for Cyberspace*

**Air Force Cyber Award**

- Eighth Air Force

**Maj Elizabeth A. Campbell, USAF**

(ACSC–Lt Col Morgan D. Mackey)

*Homer and U.S. Military Space: Avoiding the Siren Song of Weaponization*

**Deputy Undersecretary of the Air Force for International Affairs Award**

- SAF/IA

**Lt Col Michael R. Contratto, USAF**

(AWC–Dr. Douglas C. Peifer)

*The Decline of the Military Ethos and Profession of Arms: An Argument against Autonomous Lethal Engagements*

**Military Officers Association of America Award**  
- MOAA

**Col Justin C. Davey, USAF**

(AWC–Dr. Christopher M. Hemmer)

*Enduring Attraction: America's Dependence On and Need to Secure Its Supply of Permanent Magnets*

**Lieutenant General John Nowak Award for Logistics**  
- Lt Gen Nowak

**John M. Dickens (AFIT)**

*Central Command Rest and Recuperation Hub-to-Hub Airlift Network Analysis*

*2011 Jerome G. Peppers Jr. Outstanding Student Award*  
- International Society of Logistics

**Lt Col David W. Diehl, USAF**

(AWC–Dr. George J. Michael)

*Winning the Long War: Linking the 2010 U.S. National Security Strategy to Al-Qaeda's Goals and Vulnerabilities*

**Northrop Grumman Award**

**Ms. Mary D. Dysart, DAF**

(AWC–Dr. Roy F. Houchin, II)

*Remote Sensing and Mass Migration Policy Development*

**Air Force Space Command Award**

- AF Space Command

**Maj William A. Edwards, USAF**

(ACSC–Dr. Richard Smith)

*Divining Disaster: Using Remote Sensing to Predict Regional Instability in African Pastoral Societies*

**Defense Intelligence Agency Award**

- DIA

**Lt Col Todd C. Ericson, USAF**

(AWC–Mr. Jeffrey H. Davis)

*Towards a Fail-Safe Air Force Culture: Creating a Resilient Future While Avoiding Past Mistakes*

**General Charles A. Horner Award**

- USAF/CPC

**Maj Courtney Finkbeiner, USAF**

(ACSC–Maj Lynn Schmidt and Maj Ryan Oakley)

*Should More Guidance Be provided for Social Networking Sites?*

**Dean's Award for Leadership, Command, and Communications Studies**

# Award Winning Authors

**Maj Thomas Ganey, USAF**

(ACSC–Dr. Marcia Ledlow)

*Endangered Species – Solid Rocket Motor Manufactures:  
Preventing a National Asset Extinction*

**Lieutenant General John Nowak Award for Logistics**

**Ronald E. Gilbert (AFIT)**

*Strategic Implications of US Fighter Force Reductions:*

*Air-to-Air Combat Modeling Using Lanchester Equations*

**2011 Louis F. Polk Award**

- National Defense Industrial Association

**Lt Col Brent W. Guglielmino, ANG**

(AWC–Lt Col Michael J. Masterson)

*Defending the Homeland: The Case for Integrating National  
Guard Intelligence Personnel into the State Fusion Centers*

**The Reserve Component Award**

**Maj Miranda Hancock, USAF**

(ACSC–Dr. Richard Smith)

*Prevent Patient Safety Events in Military Facilities*

**Air Force Surgeon General’s Award**

- AFSG

**Col Thomas W. Harrell, USAF**

(AWC–Dr. Stefan Eisen Jr.)

*Achieving Medical Currency via Selected Staff Integration in  
Civilian and Veterans Administration Medical Facilities*

**Air War College Excellence Award**

- Air University Foundation

**Maj William Hersch, USAF**

(SAASS–Dr. Steve Chiabotti)

*Images of Inherited War: Three American Presidents in  
Vietnam*

**First Command Financial Planning Prize for Best**

**SAASS Leadership or Ethics Thesis**

**Lt Col Tarun Hindwan, Indian Air Force**

(ACSC–Dr. William Dean III)

*Defeat of LTTE: A Lesson in COIN Operations*

**Major General Edward G. Lansdale Award for Joint**

**Special Operations**

**Lt Col Stephen G. Hoffman, USAF**

(AWC–Mr. Theodore C. Hailes IV)

*Bureaucracy vs. Bioterrorism: Countering a Globalized  
Threat*

**Thomas “Dutch” Miller Award**

- USAF/CPC

**Maj Aaron M. Hopper, USAF**

(ACSC–Lt Col Ira Savoie and Lt Col Paul Hoffman)

*The Future of Autonomy in U.S. Air Force Unmanned Air  
Systems: Toward a Strategy for Growth*

**Strategic Air Command Museum’s Research  
Excellence Award**

**Maj Joan L. Hoyte, USAF**

(ACSC–Maj Joel Bius)

*The Roma at Risk*

**Col Gail “Candy Bomber” Halvorsen Cultural  
Studies Award**

**Lt Col David R. Iverson, USAF**

(AWC–Mr. Harry A. Foster)

*The Ring of Gyges: Anonymity and Technological Advance’s  
Effect on the Deterrence of Non-State Actors in 2035*

**Douhet-Mitchell International Airpower Award**

- Order Sons of Italy in America

**Col Joel D. Jackson, USAF**

(AWC–Col Alan L. Hunt Jr.)

*Logistics Aloft*

**Global Reach Award**

- Airlift/Tanker Association

**Maj Shawn Keller, USAF**

(ACSC–Dr. Michael May)

*Turning Point: A History of German Petroleum in World War  
II and Its Lessons for the Role of Modern Oil in Air Warfare*

**Air Force Association General Carl A. “Toocy”**

**Spaatz Award**

- AFA

**Dain O. Kleiv (AFIT)**

*Examination of Crash, Damaged, Disabled Aircraft*

*Recovery (CDDAR) Resources*

**2011 Jerome G. Peppers Jr. Outstanding Student Award**

- International Society of Logistics

**Maj Kok Hong Lim, RSAF**

(ACSC–Dr. Jeff Reilly and Maj Justin Riddle)

*A Case Study of Singapore’s Counterinsurgency Strategy: An  
Analysis Using the Tools of Operational Design*

**Dean’s Award for Outstanding International**

**Officer Research**

**LCDR Nicholas A. Kristof, USN**

(ACSC–Lt Col Paul Hoffman)

*Hybrid Aircraft for Heavy Lift, High Speed Strategic Mobility*

**Airlift Tanker Association “Global Reach” Award**

- ATA

# Award Winning Authors

**Maj Colby J. Kuhns, USAF**

(ACSC–Maj Joel Bius)

*The Utility of Airborne ISR Assets for Stability and Reconstruction*

**The Commandant's Award for Research Excellence;  
National Military Intelligence Association Award for  
Military Intelligence**

**Maj Paul L. Martin III, USAF**

(ACSC–Mr. Michael P. Ivanovsky)

*Fostering "Need to Share" Over "Need to Know": Can Cyber Secure Technologies Thwart Tomorrow's Internal Data Breaches?*

**Dean's Award for Outstanding Military Studies**

**Adam J. Messer (AFIT)**

*Contextual Detection of Anomalies within Hyperspectral Images*  
**2011 Dean's Award**

**Mohd F. Mohd-Zaid (AFIT)**

*Face Recognition via Ensemble SIFT Matching of Uncorrelated Hyperspectral Bands and Spectral PCTS*

**2011 Military Operations Research Society  
(MORS) Award  
- MORS**

**Maj Gwen J. More, USAFR**

(ACSC–Dr. Richard Smith)

*Healing the Silent Wounds of War: An Evaluation of Combat Stress Intervention and Treatment Services for Air Force Reservists*

**Reserve Component Award**

**Maj David Rickards, USAF**

(SAASS–Col Tim Schultz, Ph.D.)

*World of Warcraft Meets War Plan Orange: The Military Utility of Collaborative Problem Solving in a Virtual Environment*

**Air University Foundation Prize for Best SAASS  
Technology, Space, or Cyberspace Thesis**

**Maj August G. Roesener, USAF**

(ACSC–Lt Col Kyle D. Gresham)

*Afghanistan Theater Consolidation and Shipping Point Selection in Support of Operation Enduring Freedom*

**SOLE -The International Society of Logistics Award**

**Maj Derek Salmi, USAF**

(SAASS–Drs. Rich Muller and Kevin Holzimmer)

*Slim Chance: Pivotal Role of Air Mobility in the Burma Campaign*

**USAF Historical Foundation Prize for Best SAASS  
History Thesis**

**Maj Lewis Schotemeyer, USAF**

(ACSC–Dr. William Dean III, Dr. Donald MacCuish, and Lt Col Dennis Adams)

*Small Wars, Their Tactical and Criminal Prosecution: The Case of Major Littleton Waller, USMC, and the Philippine Insurrection*

**Dean's Award for Military History Studies**

**Maj Steve Smart, USAF**

(ACSC–Mr. Roger Philipsek)

*Joint Targeting in Cyberspace*

**Lieutenant General Michael Hayden Award for Info Ops**

**Maj Trevor Smith, USAF**

(ACSC–Dr. Marcia Ledlow)

*Joint Basing: Sharing Cyberspace, Not Just Real Estate*  
**Armed Forces Communications and Electronics  
Association Award**

- AFCEA

**Maj Diane Sturd, USAF**

(ACSC–Dr. Richard Smith)

*Arctic Ice Melting: National Security Implications*

**Air Force Homeland Security Award**

- HQ Homeland Security Directorate

**Thomas P. Talafuse (AFIT)**

*Empirical Characterization of Ballistic Impact Flash*

**2011 Military Operations Research Society**

**(MORS) Award**

- MORS

**Maj Peter Tortorici, USAF**

(ACSC–Dr. Marcia Ledlow)

*New Global Jihadist: Extremist Reassessments of Violent Jihad in a Changing Middle East*

**Chief of Staff of the Air Force Political Advisor Award**

- CSAF

**Lt Col Brian Tyler, USAF**

(SAASS–Dr. Hal Winton)

*Operational Intelligence and Operational Design: Thinking About Operational Art*

**Air University Foundation Prize for Best SAASS  
Security Studies Thesis**

# Award Winning Authors

**Maj Mia L. Walsh, USAF**

(ACSC–Lt Col Lavern Curry)

*An Assessment of U.S. and China National Space Policies*

**Space Research Award**

**Maj Paul M. Wuench, USAF**

(ACSC–Dr. William Dean III, Dr. Donald MacCuish,  
and Lt Col Dennis Adams )

*Helicopter Operations in Counterinsurgent Warfare*

**Air Force Historical Foundation Award**

- AFHF

**Lt Col Mark O. Yeisley, USAF**

(AWC–Dr. John M. Schuessler)

*The Perils of Bipolarity: Sub-national Conflict and the Rise  
of China*

**General Charles G. Boyd Award**

- Air University Foundation;

**Air War College Commandant's Award**

**Maj James Young, USAF**

(SAASS–Dr. Hal Winton)

*Airborne Joint-Forcible Entry in the Twenty-First Century:*

*All the Way?*

**Airlift Tanker Association Prize for Best SAASS**

**Mobility or Logistics Thesis**

# Contributions by AU Graduates – AY 2012

## Profession of Arms

### **Achieving Medical Currency via Selected Staff Integration in Civilian and Veterans Administration Medical Facilities**

By Lt Col Mark Suriano  
AWC, HAF/A8XC

### **Continuing to Strengthen the Nuclear Enterprise: Educating Tomorrow's Leaders**

By Lt Col Michael Port  
AFF, HQ USAF A10

### **Culture Change: Is the United States Air Force Taking the Right Steps to Change the Culture of the Air Force Nuclear Enterprise?**

By Maj Laurel Gammon  
AFF, SAF/LL

### **The Decline of the Military Ethos and Profession of Arms: An Argument against Autonomous Lethal Engagements**

By Lt Col Michael Contratto  
AWC, AFMC

### **Defense Support of Civil Authorities: DoD Mission or Additional Duty?**

By Lt Col David Walker  
AWC, AF/A3-5

### **From Recruiting Slogan to Air Force Motto: The Evolution of Aim High - Fly, Fight, Win!**

By Lt Col Matthew Lloyd  
AWC, SAF/PA

### **How to Make an Air Commando**

By Lt Col Mark Haberichter  
AWC, JSOU

### **Improving Civil-Military Cooperation through Professional Military Education: an Airman's Perspective**

By Col (sel) Jim Breck  
AFF

### **An Interagency Goldwater-Nichols Act Is Needed for a Truly Effective Whole-of-Government Approach**

By Maj Jason Camilletti  
AFF, SAF/LL

### **Labor Relations: Unions and the United States Air Force**

By Lt Col Christopher Wheeler  
AWC, USAWC/SSI

### **Multidimensional Diversity: Looking Beyond the Big Three**

By Maj Sirena Morris  
AFF, SAF/LL

### **Negotiable Collateral Damage: Civil Liberties versus National Security in Times of Threat**

By Maj Richard Dickens  
SAASS, HQ USAF/JAG

### **Past Informing Present: Parallels between Racial Integration in the Armed Forces and Repeal of Don't Ask, Don't Tell**

By Lt Col Scott Arcuri  
AWC, HQ USAF/JAG

### **Prioritizing USAF Core Functions – A Method for Strategic Resource Allocation**

By Lt Col Steven Burgh  
AWC, AF/A8

### **Repealing Don't Ask Don't Tell . . . the Time is Right**

By Col (sel) William Uhlmeyer  
AFF, AF/SG

### **Should I Stay or Should I Go? Building a Mental Construct for Senior Officers Contemplating Leaving the Service over Matters of Policy**

By Maj Ernesto Divittorio  
SAASS

### **Strengthening Our Suspect-Focus: How the Department of Defense Can Improve Its Approach to Sexual Assault Prevention and Response**

By Lt Col Terry Bullard  
AWC, AFOSI

# Contributions by AU Graduates – AY 2012

## Military Studies

### **2011 Secretary of Defense Corporate Fellows Program: Observations and Recommendations from IBM**

By Col (sel) Gina Humble  
AFF, AFRI/CL

### **Achieving Medical Currency via Selected Staff Integration in Civilian and Veterans Administration Medical Facilities**

By Col Thomas Harrell  
AWC, AFMOA

### **AirSea Battle: Can the Air Force and the Navy Get Along?**

By Maj Daniel Kobs  
SAASS, SECAF-CSAF

### **The Application of Intelligent Systems to the Close Air Support Mission**

By Maj Matt Domsalla  
AFF, Republic of Singapore Air Force

### **At the Crossroads of Cyber Warfare: Signposts for the Royal Australian Air Force**

By SQNLDR Craig Stallard, Royal Australian Air Force  
SAASS, APDC

### **Balancing Act: Synergy of Combat Air Power Functions**

By Maj Christopher Wachter  
SAASS, HQ USAF/JAG

### **The Battle of Trenton: Turning the Tide of the American Revolution**

By Maj Jason Self  
AFF

### **The Best Defense: Making Maximum Sense of Minimum Deterrence**

By Maj Jeremy Olson  
SAASS, HQ USAF A10

### **Calling in the Cavalry: Disaster Relief and the American Military**

By Maj Jacob Middleton  
SAASS, AF/A3-5

### **Cyber Power: Attack and Defense Lessons from Land, Sea, and Air Power**

By Maj Ernest Bonner  
SAASS, SAF/CIO

### **Cyberspace Superiority: An Analysis of the Department of Defense's Ability to Achieve Superiority in Cyberspace**

By Lt Col Fred Taylor  
AFF, SAF/CIO

### **Defense or Diplomacy? Geographic Combatant Commands**

By Maj Richard McGlamory  
SAASS, USAFRICOM

### **Diseconomies of Scale in Systems Engineering**

By Lt Col Daniel Marticello  
AFF AF/A8

### **DOD and DOE Nuclear Weapons Acquisition Process**

By Maj Gary Williams  
AFF, NNSA

### **The Evolution of Integrated Close Air Support: World War II, Korea, and the Future of Air-Ground Combined Arms Synergy**

By Maj Patrick Gallogly, USMC  
SAASS, SECAF-CSAF

### **Finding Balance for Dual-Role Bombers**

By Maj Ryan Gorecki  
SAASS, AFGSC

### **A General Staff Revisited? The Imperative for Joint Strategy Reform**

By Col Brian Newberry  
AFF, AF/JA

### **Implications of the Militarization of US Foreign Policy through Security Assistance**

By Lt Col Billie Early  
AWC, SAF/IA

### **Influence of French Air Strategy in the European Union's Military Operations in Africa**

By Lt Col Olivier Kaladjian, French Air Force  
SAASS, *Republic of Singapore Air Force*

# Contributions by AU Graduates – AY 2012

## **Integrating Air, Space, and Cyberspace: Towards Cross-Domain Operations**

By Lt Col Matthew Harris  
AWC, OUSDP

## **Islam's First Arrow: The Battle of Badr as a Decisive Battle in Islamic History and Its Significance Today**

By Maj John Martin  
SAASS, OUSDP

## **The Israeli Fight for Existence**

By Maj Jeffrey Downs  
AFF

## **Joint Acquisition Program Management: A Requirement for Joint Capability?**

By LTC Gerald Davis, Jr., USA  
AWC, US Army

## **The Landmark Space Age Thucydides: Human Spaceflight in the Grand Strategic Quest to Address Fears, Advance Interests, and Garner Honor**

By Maj Ronald Gordon  
SAASS

## **Lessons for the Department of Defense: Secretary of Defense Corporate Fellow Observations**

By Col Kevin Fesler; Col Michael Guetlein; Col Randy Kaufman; Lt Col W. Mark Valentine, ANG  
AFF, AFRI

## **Managing the 21st Century Air Force Reserve**

By Lt Col David Smith, USAFR  
AWC, AFRC

## **Maximizing Space Investment: Tightening Link between Warfighters and Materiel for Space-Based Information**

By Lt Col Janet Grondin  
AWC, AFSPC

## **Operational Intelligence and Operational Design: Thinking about Operational Art**

By Lt Col Brian Tyler  
SAASS, AF/A2

## **Overcoming the Sibling Rivalry: Enhancing Department of Defense Capability to Conduct Joint Expeditionary Warfare**

By Lt Col Christian Cabaniss, USMC  
AWC

## **Preventing a Cyber Dresden: How the Evolution of Air Power Can Guide the Evolution of Cyber Power**

By Wg Cdr Timothy Neal-Hopes, Royal Air Force  
SAASS

## **Preventing a Future Hollow Force**

By Lt Col William Mazzeno  
AWC, CJCS

## **Principles of War for Cyberspace**

By Lt Col Steven Cahanin  
AWC, SAF/CIO

## **Re-Defining the Radio Operator: Honing AFSOF's Edge for the Joint IW Fight**

By Lt Col John Cline  
AWC

## **Rescuing Joint Personnel Recovery: Using Air Force Capability to Address Joint Shortfalls**

By Maj Chad Sterr  
SAASS, DASD

## **Shaping an Air Force: A Chief's Perspective**

By Maj Adam Smith  
SAASS, HQ USAF/JAG

## **Space Junk Norms: US Advantages in Creating a Debris-Reducing Outer Space Norm**

By Maj Patrick Long  
SAASS, USN

## **A Square Peg in a Round Hole: A Case Study of Center of Gravity Application in Counter-Insurgency Warfare**

By Maj Michael Walters  
SAASS

## **Terrorism, Deterrence, and Nuclear Weapons: Is the Current Nuclear Weapon Stockpile Effective?**

By Maj Felix Moret  
AFF, AFGSC

# Contributions by AU Graduates – AY 2012

## **Theater-Capable Unmanned Aircraft Systems in 2035 —Joint Warfighting Synergy or a Joint Liability?**

By Lt Col John Menozzi  
AWC, HAF/A8XC

## **Towards a Fail-Safe Air Force Culture: Creating a Resilient Future While Avoiding Past Mistakes**

By Lt Col Todd Ericson  
AWC, HQ USAF A10

## **Trainers, Guns, and Money: Evolution or Revolution of Global Training and Equipment**

By Lt Col Ken Saunders  
AFF

## **What Is Required for an Offensive Cyberspace Operation to Be Considered Just Per Traditional Just War Theory: A Persuasive Thesis on Just War Analysis of Cyberwarfare**

By Maj Mark Dmytryszyn  
AFF

## **Winning the Long War: Linking the 2010 U.S. National Security Strategy to Al Qaeda's Goals and Vulnerabilities**

By David Diehl  
AWC, OUSDP

## **Warfare Studies**

### **2035 Air Dominance Requirements for State-on-State Conflict**

By Lt Col Peter Bilodeau  
AWC, HAF/A8XC

### **Adapting to the new National Space Policy Guidance: Sacrificing the Future of Space Superiority?**

By Lt Col Timothy Gosnell  
AFF, AF/A5

### **Advanced Strategic and Tactical Infrared Expendables: A Case Study**

By Maj Amy Nesbitt  
AFF, SAF/LL

## **Afghanistan Theater Consolidation and Shipping Point Selection in Support of Operation Enduring Freedom**

By Maj John Coyle  
ACSC

## **Afghanistan Theater Consolidation and Shipping Point Selection in Support of Operation Enduring Freedom**

By Maj August G. Roesener  
ACSC

## **AF Rescue 2030: A Multidimensional Force for a Complex World**

By Col (sel) Jason Hanover  
AFF, TWI

## **AIDS- Acquired Immune Deficiency Syndrome: "Public Enemy Number One"**

By Maj Amy K. Kinnon  
ACSC

## **Air Traffic Control Capabilities: Opportunity to Utilize Automated Dependent Surveillance-Broadcast (ADS-B) Equipment on Aircraft for Military Air Traffic Control and Command and Control in Combat and Humanitarian Operations**

By Lt Col Michael Helvey  
AWC, AF/A3

## **Armed for Genocide**

By Maj Benjamin R. Jacobson  
ACSC

## **The Army of God and Militant Islamists: Potential BFFs?**

By Maj Mike Evans  
ACSC

## **Assessing the Capabilities and Limitations of Counter-Proliferation Operations Utilizing Remote Radiation Detection Devices**

By Maj Geoffrey Romanowicz  
AFF, ORNL

## **Assessing the US's Current Ability to Understand and Test EMP Effects on Systems**

By Maj John Roberts  
AFF, NA-10

# Contributions by AU Graduates – AY 2012

## **An Assessment of U.S. and China National Space Policies**

By Maj Mia L. Walsh  
ACSC

## **Balancing Technology**

By Maj Jason B. Bell  
ACSC

## **Big Lessons from Small Nuclear Powers: Implications of Minimum Deterrence on the US Nuclear Force Structure**

By Maj Christopher Menuey  
SAASS

## **Bolstering United Nations Intelligence: Cultural and Structural Solutions**

By Maj Joseph A. Barry  
ACSC

## **A Case Study of Singapore's Counterinsurgency Strategy: An Analysis Using the Tools of Operational Design**

By Maj Kok Hong Lim, RSAF  
ACSC

## **A Change in the Air: Strategic Innovation and the Combined Bomber Offensive**

By Maj Brian Vlaun  
SAASS, SECAF-CSAF

## **Climbing the Tower of Babel: Perfecting Machine Translation**

By Lt Col Aras Suziedelis  
AWC, HAF/A8XC

## **Commanders and Cyber Chat: Should More Guidance Be Provided for Social Networking Sites?**

By Maj Courtney Finkbeiner  
ACSC

## **The Complexity-Adaptability Paradox: Issues for Combat Aircraft Development**

By Lt Col Michael Norton  
AWC, HAF/A8XC

## **Continued Optical Sensor Operations in a Laser Environment**

By CDR William Diehl, USN  
AWC, HAF/A8XC

## **Data Integration: Charting a Path Forward to 2035**

By Lt Col Jill Singleton  
AWC, HAF/A8XC

## **Defeat of LTTE: A Lesson in COIN Operations**

By Wg Cdr Tarun Hindwag, Indian Air Force  
ACSC

## **Defining Deterrence in Cyberspace—Working toward a Framework to Integrate Cyber Deterrence**

By Maj Steve T. Wieland  
ACSC

## **The Demands of Nuclear Security: Mishaps and USSTRATCOM**

By Maj Thomas Koory  
SAASS, HQ USAF/A10

## **The Digital Kasserine Pass: The Battle over Command and Control of DOD's Cyber Forces**

By Col David Hathaway  
AFF

## **Does the Israel Security Fence Actually Increase Security**

By Maj Jason M. Hughes  
ACSC

## **Employing Remotely Piloted Aircraft (RPA) in Antisubmarine Warfare (ASW) Taskings**

By Maj Jason D. Bialon  
ACSC

## **Employment of Unmanned Aircraft Systems for Canadian Forces Antisubmarine Warfare**

By CAPT Joseph Lisenby, Jr., USN  
AWC, Canadian Forces

## **Enduring Attraction: America's Dependence on and Need to Secure Its Supply of Permanent Magnets**

By Lt Col Justin Davey  
AWC, USAFRICOM

## **Enhancing Cost Realism through Risk-Driven Contracting: Designing Incentive Fees Based on Probabilistic Cost Estimates**

By Maj Sean Dorey  
AFF, MIT

# Contributions by AU Graduates – AY 2012

## **Exploiting Remotely Piloted Aircraft:**

### **Understanding the Impact of Strategy on the Approach to Autonomy**

By Lt Col Eric Nelson  
SAASS, AFRL

## **From the Underground to the High Ground: The Insurgent Use of Airpower**

By Lt Col John Bunnell  
AWC, SAF/IA

## **Functionalism and the Kaesong Industrial Complex**

By Maj Matthew L. Davis  
ACSC

## **Future Tanker Concepts: Warfighter Support for the 21st Century**

By Maj Terry Tyree  
AFF, AMC

## **Health Hazards during the Airlift of Contaminated Human Remains**

By Maj Jennifer Fuller  
AFF, AMC

## **A Holistic Approach to Intelligence, Surveillance, and Reconnaissance**

By Col (sel) Dagvin Anderson  
AFF, AF/A2

## **Homer and U.S. Military Space: Avoiding the Siren Song of Weaponization**

By Maj Elizabeth A. Campbell  
ACSC

## **The Human Proteome Project: Unlocking the Mysteries of Human Life and Unleashing Its Potential**

By Lt Col Andrew Meadows  
AWC, HAF/A8XC

## **Hybrid Aircraft for Heavy Lift, High Speed Strategic Mobility**

By LCDR Nicholas A. Kristof, USN  
ACSC

## **Hybrid Airships: Well Suited for Foreign Humanitarian Assistance Operations**

By Maj Barry King  
AFF

## **Implications of High-Energy Lasers on Fighter-Sized Platforms in 2035**

By Lt Col Andrew Brabson  
AWC, HAF/A8XC

## **Improving Efficiencies with Mobile Computing Technology**

By Maj Jack Flynt  
AFF, SAF/LL

## **Influence with Confidence: Enabling Lawful Command Influence by Understanding Unlawful Command Influence: A Guide for Commanders, Judge Advocates and Subordinates**

By Maj Erik C. Coyne  
ACSC

## **Inoculating the General Public from the Franco-Prussian Staff Infection**

By Maj Geoffrey Church and  
Maj Andrew Whiskeyman  
ACSC

## **In Pursuit of 21st Century Distributed Intelligence Surveillance and Reconnaissance Operation**

By Lt Col Michael Downs  
AWC, AF/A2

## **Invading Iran: Lessons from the Iraq War**

By Lt Col Leif Eckholm  
AFF

## **Joint Targeting in Cyberspace**

By Maj Steve Smart  
ACSC

## **The Leadership Journey**

By Maj Jannell MacAuly  
ACSC

## **Leading Counterinsurgencies Effectively**

By Maj Matthew S. Fehrman  
ACSC

## **Leveraging a Strategic Intelligence Mobile Missile Enterprise for Theater Missile Defense Warfighters**

By David Macedonia  
AWC, MDA

# Contributions by AU Graduates – AY 2012

## **Logistics Aloft**

By Col Joel Jackson  
AWC, USAF Expeditionary Center

## **Maximizing Deterrence with Respect to a Nuclear Weapons Capable Iran: An Effects Based Approach to Policy and Strategy**

By Lt Col Todd Copeland  
AFF, HQ USAF A10

## **Missing in Action: Where Are the Air Force's Geographic Combatant Commanders?**

By Maj Derick Steed  
SAASS

## **The Need for Light Airlift in Future Operations**

By Lt Col Edward Koharik  
AFF

## **The Overlooked Asian Space Race: China, India, and Japan**

By Maj Adrian H. Galang  
ACSC

## **Next-Generation Long-Range Strike: Combating the Tyranny of Distance**

By Col Christopher Brunner  
AWC

## **Precision Navigation and Timing: Reducing GPS Reliance by 2040**

By Maj Summer A. Clovis  
ACSC

## **Preempting the Storm: Mitigating America's National Security Vulnerability to Disruptive Magnetic Events**

By Lt Col James Twiford  
AWC

## **Rebalancing the Air Force: A Comprehensive Solution**

By Lt Col Bruce Johnson, USAFR  
AWC, AFRC

## **Rebalancing the Nuclear Weapons Triad**

By Maj Michael Samuel  
AFF, AFGSC

## **Recapitalizing DOD's Tactical Air Force: Examining F-35 Alternatives**

By Maj John R. Echols  
ACSC

## **The Ring of Gyges: Anonymity and Technological Advance's Effect on the Deterrence of Non-State Actors in 2035**

By Lt Col David Iverson  
AWC, HAF/A8XC

## **The Roma at Risk**

By Maj Joan Hoyte  
ACSC

## **Should Air Force Reserve Command Continue Pursuing CAF DMO for Its F-16 Fleet?**

By Lt Col Kenneth Council Jr  
AWC, AFRC

## **Slim Chance: The Pivotal Role of Air Mobility in the Burma Campaign**

By Maj Derek Salmi  
SAASS

## **Strength in Ways: Finding Creativity in Routine Strategy Development**

By Lt Col Paul Maykish  
SAASS

## **Tactical Airlift and Direct Support: The Keys to USAF Relevance in Modern Counterinsurgency and Their Struggle against Air Force Culture**

By Maj Eric L. Westby  
ACSC

## **Time is Trauma: Improving U.S. Planned Response to a WMD**

By Lt Col Patrick Guinee  
AFF, ANG

## **Trade Off Dilemmas of Postponing the Replacement of the C-130Hs in the Western Pacific Theater**

By Lt Col Willie Holt Jr  
AWC

# Contributions by AU Graduates – AY 2012

## **Turning Point: A History of German Petroleum in World War II and Its Lessons for the Role of Oil in Modern Air Warfare**

By Maj Shawn P. Keller  
ACSC

## **United States Air Force Counterinsurgency Operations Capabilities, the Ground Dimension – Are We on the Right Glide Slope?**

By Lt Col Paul Kasuda  
AWC

## **The Utility of Airborne ISR Assets for Stability and Reconstruction**

By Maj Colby J. Kuns  
ACSC

## **What Do You Do with a Scurvy Pirate? The International Threat of the Pirates of Somalia**

By Maj Jason Labott  
ACSC

## **Where's My GPS? Ensuring Combat Capability in Degraded PNT Environments**

By Lt Col James Cluff  
AFE, CSAF-SECAF

## Leadership Studies

### **The Air Commander in the Solomon Islands Campaign: Unrivaled Unity of Efforts in Joint Air Operations**

By Lt Col Ryan Sweeney  
SAASS

### **Air and Space Basic Course: A Cost-Effective Contribution to Air Force Officer Professional Development?**

By Lt Col Kevin Blanchard  
AWC

### **America's Airman: David Deptula and the Air Power Moment**

By Maj Abraham Jackson  
SAASS, SAF/LL

### **Becoming Curt LeMay: The Formative Experiences of an Air Force Icon**

By Maj Charles McElvaine  
SAASS, AFGSC

### **Developing Air Force Strategists: A Plan, Instead of Ad Hoc Hopes**

By Lt Col Rondall Rice  
AWC

### **Development of Air Force Acquisition Officers**

By Maj William Ottati  
AFE, SAF/LL

### **The Devil's in the Dialogue: The United States Air Forces and Congress**

By Maj Samantha Weeks  
SAASS

### **"Endearing Leadership of Enduring Organizations": General Nathan F. Twining and the Dichotomous Air Wars of the 13th and 15th Air Force during World War II**

By Maj John Stratton  
SAASS

### **Engendering Cyber-Mindedness in the United States Air Force Cyber Officer Corps**

By Maj Jeffrey Phillips  
SAASS, SAF/CIO

### **An Evaluation of the Air Force's Enlisted Performance Report and Promotion System**

By Maj Dan Cornelius  
AFE, SAF/LL

### **Growing Strategic Thinkers for the Air National Guard**

By Lt Col Dallas Kratzer, ANG  
SAASS, NGB

### **Heritage, Image, and Identity: The Evolution of USAF Leadership**

By Lt Col Douglas Nikolai  
AWC, SAF/PA

# Contributions by AU Graduates – AY 2012

## **How to Avoid Acquisition Disasters and Create Affordable Solutions for America's Air Warriors by Applying Lessons from the Past**

By CDR Daniel Vogel, USN  
AWC, AF/A8

## **Images of Inherited War: Three American Presidents in Vietnam**

By Maj William Hersch  
SAASS, SAF/LL

## **Improved AF Squadron Command Structure for Leadership, Accountability, and Efficiency**

By Lt Col Dawn Lancaster  
AWC

## **The Phronetic Leader: A Framework for Leadership in the Multinational, Knowledge-Based Era**

By Col (sel) Leonard Kosinski  
AFF

## **Promoting the Best Enlisted Leaders**

By Maj Travis Walters  
AFF, SAF/LL

## **Reviving a Culture of Disciplined Compliance in Air Force Nuclear Operations**

By Col Robert Stanley  
AFF

## **Senior Service College: A Pillar of Civilian Senior Leader Development**

By Pamela Ray  
AWC, OSD/PR

## **Strategy and the Prepared Mind**

By Lt Col Jason Armagost  
AFF, SAF/LL

## **Unleashing the Potential of Our Airmen**

By Maj David Canady  
AFF

## **World of Warcraft Meets War Plan Orange**

By Maj David Rickards  
SAASS

## International Security Studies

### **The 2010 US National Security Strategy and a Nuclear Weapon First Use Option**

By Maj Kevin Templin  
AFF, AFGSC

### **Another Velvet Revolution? Implications of the 1989 Czech Velvet Revolution on Iran**

By MAJ Christopher Valeriano, USA  
SAASS, USMC

### **Building the Capacity of Partner States through Security Force Assistance**

By Col (sel) Thomas Livingston  
AFF, CRS

### **Building Partnerships: Aviation Enterprise Development with Light Multi-Role Aircraft**

By Col (sel) Mark Bennett  
AFF, SAF/IA

### **Building Security and Partnership through African Regional Organizations**

By Maj Richard Jokinen  
AFF

### **Bureaucracy vs. Bioterrorism: Countering a Globalized Threat**

By Lt Col Stephen Hoffman  
AWC, HAF/A8XC

### **Chain Reaction: Why Iran Wants Nukes and Why We Can't Let It Happen**

By Lt Col Thomas Dobbs  
AFF, USMC

### **China, Friend or Foe . . . the Future of East Asia Foreign Policy**

By Maj Gregory Beaulieu  
AFF, AF/CC

### **Cognitive Biases: What They Are and How They Might Be Shaping Our Strategy in Afghanistan**

By Maj Ashley Richards  
AFF, SAF/LL

# Contributions by AU Graduates – AY 2012

## **Courting Failure: Defense Department's Path to Strategic Collapse**

By Lt Col John Price  
AFF, MIT

## **Cutting the Defense Budget—A Policy Recommendation for Defense Spending Levels in the Post-Afghanistan Era**

By Maj Brad Spears  
AFF

## **Cyber Operations: Electrons with Political Intent**

By Maj Travis Howell  
SAASS, NRO

## **Defending the Homeland: The Case for Integrating National Guard Intelligence Personnel into the State Fusion Centers**

By Lt Col Brent Guglielmino, ANG  
AWC, US Army

## **Discerning Tension between Tactics and Strategy: Operations in Pakistan and Their Impact on American Foreign Policy**

By Maj Tom Mahoney  
SAASS

## **Drone Warfare: Is the United States Violating the Law of Armed Conflict?**

By Lt Col Barbara Shestko  
AWC, AF/JA

## **Ensuring Relevancy: A Way-Ahead for NATO's Allied Command Transformation**

By Col (sel) Gabriel Green  
AFF, ACUS

## **Escalation Management in the Russia-Georgia Conflict**

By Col (sel) Derek France  
AFF, OUSDP

## **Ethnic Tension in Ethiopia: Could the Insurrection in the Ogaden Province Provide an Opening for Islamic Extremism?**

By Lt Col (sel) Ann Marie McCain  
AFF, SAF/LL

## **The Evolution of the International System: Surrender Sovereignty or Fight to the Death**

By Lt Col Aaron Cowley  
SAASS, USAFRICOM

## **An Examination of Air Mobility Building Partnership History and the Policy Implications for Future Operations**

By Maj Alton White  
AFF, AMC

## **Focus Targeting in a COIN Environment**

By LTC Larry Perino, USA  
AWC, USAWC/SSI

## **From Mission Creep to Smart Power—Creating Balance within Defense and State**

By Maj Matthew Jones  
AFF, USAF Expeditionary Center

## **Going for Gold: A Path toward Petroleum-Independence in the 2030 Air Force**

By Lt Col Christopher Azzano  
AWC, HAF/A8XC

## **How Can the United States Cope with Hostile Nuclear Proliferators: The Strategic Military Solution**

By Col (sel) Zannis Pappas  
AFF

## **Implications of Competition for Strategic Minerals in Africa**

By CDR John Cranston, USN  
AWC, USAFRICOM

## **Improving WMD Non-proliferation Efforts through the Identification of Sub-Noise Level Waveforms**

By Col (sel) Christopher Mann  
AFF

## **Influence of DOD Civilians, Non-DOD Civilians and Uniformed Military on Presidential Decision Making**

By Maj Michael Curry  
AFF

# Contributions by AU Graduates – AY 2012

## **Innovative Business Strategies as a Method for Improving the National Security System**

By Maj Terence Taylor  
AFF

## **International Disaster Relief Response and the US Military: Balancing Unity of Effort and Adaptation through Trust**

By Maj Vanessa Savas, USAFR  
SAASS, OUSDP

## **Kautilya's Arthashastra: A Timeless Grand Strategy**

By Wg Cdr Vinay Vittal, Indian Air Force  
SAASS

## **Latin America: Resources and Relationships—Partnership Is the Key for Mutual Survival**

By Col (sel) Casey Eaton  
AFE, USSOUTHCOM

## **Making Sense of Iran: Rhetoric, Ideology, and Behavior**

By Maj Stephanie Kelley  
SAASS, USMC

## **Miscalculated Ambiguity: Effects of Declaratory Policy on Deterrence and Non-Proliferation**

By Lt Col David Franklin  
SAASS, AFGSC

## **Nation Building—Is It a Strategic Imperative?**

By Maj Sara Huis  
AFE, SAF/LL

## **Natural Resource Scarcity and Adaptive States: The Desire for Individual Freedom versus the Need for Governmental Control**

By Maj Michael Colson  
SAASS

## **Negotiable Collateral Damage: Civil Liberties versus National Security in Times of Threat**

By Maj Richard Dickens  
SAASS, HQ USAF/JAG

## **The New Strategic Arms Reduction Treaty and Its Impact on the United States' Elements of National Power**

By Maj Kenneth McGhee  
AFE, AFGSC

## **The New Triad**

By Lt Col Marc Peterson  
AWC, AFGSC

## **The Newest Air Force Core Function: Building Partnerships**

By Lt Col James Kockler  
AWC, USAWC/SSI

## **The Ogaden Insurrection: Implications for Islamist Extremism and U.S. National Security**

By Lt Col Jennifer Fullmer  
AWC, USAFRICOM

## **The Other Side of Energy Independence**

By James Hoffman  
AWC, USAFA

## **The Perils of Bipolarity: Sub-national Conflict and the Rise of China**

By Lt Col Mark Yeisley  
AWC

## **Policy Implications of Using Genomic Medicine in the Air Force Medical Service**

By Lt Col Kevin Wright  
AWC, AF/SG

## **Politics and Policy in the Crucible of Interstate Coercion**

By Lt Col Carl Brenner  
AWC, USAFA

## **Post-Cold War American Foreign Policy: What, When, and Why?**

By Maj Andrew Roddan  
SAASS

## **Protesting War: Comparing Afghanistan to Vietnam**

By Lt Col George Reynolds  
AWC

## **Pure National Security Strategy**

By Lt Col Martin Anderberg, Swedish Air Force  
SAASS

## **Remote Sensing and Mass Migration Policy Development**

By Mary Dysart  
AWC, NRO

# Contributions by AU Graduates – AY 2012

## **Rethinking the Unthinkable: Selective Proliferation and US Nuclear Strategy**

By Maj Jason Terry  
SAASS

## **A Road Map to Improve the Department of Defense's Africa Engagement Strategy**

By Lt Col Richard King Jr.  
AWC, USAFRICOM

## **The South China Sea: Controversial but Controllable**

By Maj Kevin Pritz  
AFF

## **State Strategies to Combat Resource Scarcity**

By Maj Matthew Baugh  
SAASS, OUSDP

## **Strategic Ramifications of Various US Space Mission Architecture Designs Smaller, Single Mission, Quantity vs. Bigger, Multi-Mission, Quality**

By Maj Heather Armstrong  
AFF, NRO

## **Structural Genomics and Human Health Implications**

By Maj Maria Kohler  
AFF, Argonne

## **Taking the Initiative—Protecting U.S. Interests in Space**

By Lt Col Stephen Redifer  
ACSC, JFCC

## **The Test of Strength: Explaining Germany's Reluctance towards Nuclear Weapons, 1945–2011**

By Lt Col Lothar Sauermann, German Air Force  
SAASS, HQ USAF A10

## **U.S. Military Space—Expanding International Partnerships**

By Maj Robert Hutt  
AFF

## **Unlawful Combatants at the Controls: The CIA / Armed UAVs, and LOAC**

By Lt Col Scott Ecton  
AWC, AF/JA

## **US and Libyan Relations: From Adversaries to Partners**

By Col (sel) Patrick Shortsleeve  
AFF, USAFRICOM

## Communication Studies

### **Black Air**

By Maj Damone Garner  
SAASS

### **Cyberpower as a Coercive Tool in 2035**

By Lt Col John Bedingfield  
AWC, HAF/A8XC

### **Guidelines for a U.S. Counterpropaganda Strategy to Defeat Al-Qaeda Recruiting**

By Maj Scott Brodeur  
SAASS, ACC/ST

### **On the Strategic Highwire: Air Power, Offshore Balancing, and American Strategy**

By Maj Travolis Simmons  
SAASS

### **Social Media: A Framework**

By Maj Elizabeth Hanson  
AFF, AF/JA

### **Successfully Changing the Communication Culture in Military Organizations**

By Lt Col Kyle Voigt  
AWC, AF/A1

### **To Click or Not to Click: Technology and Human Factors to Mitigate Phishing Attacks on Air Force Networks**

By Lt Col Richard Janoso  
AWC, AF/A3-5

### **Turning Cyberpower into Idea Power: The Role of Social Media in US Strategic Communications**

By MAJ Kaci Cole, USA  
SAASS, HQ USAF/JAG

### **When Flexibility and Doctrine Collide: Command and Control of Global RPA Operations**

By Lt Col Joseph Campo  
SAASS

# Acronyms

ABNCP	Airborne Command Post
ACDIS	Arms Control Disarmament & International Security (University of Illinois at Urbana-Champaign)
ACSC	Air Command and Staff College (Air University)
AFDDEC	Air Force Doctrine Development and Education Center (Air University)
AFF	Air Force Fellows
AFIT	Air Force Institute of Technology (Wright-Patterson AFB)
AFRC	Air Force Reserve Command
AFRI	Air Force Research Institute (Air University)
ANG	Air National Guard
ARC	Air Reserve Component
<i>ASPJ</i>	<i>Air and Space Power Journal</i> (Air University)
AURIMS	Air University Research Information Management System
AWC	Air War College (Air University)
COIN	Counterinsurgency
CPC	Counterproliferation Center (within Air University's Air War College)
CSAT	Center for Strategy and Technology (within Air University's Air War College)
DARPA	Defense Advanced Research Projects Agency
FDT	Foreign Affairs, Defense Trade Division (Library of Congress, Washington DC)
FIU	Florida International University
GWOT	Global War on Terror
IDA	Institute of Defense Analyses (Alexandria, VA)
INSS	Institute of National Security Studies (USAF Academy)
ISCIP	Institute for the Study of Conflict, Ideology, and Policy (Boston University)
ISD	Institute for the Study of Diplomacy
J5	Joint Staff, Plans Division
JFCOM	Joint Forces Command (Norfolk, VA)
MIT	Massachusetts Institute of Technology
NCO	Network-centric Operations
PIRP	Program on Information Resources Policy (Harvard)
PLA	Palestine Liberation Army
QCIR	Center for International Relations (Queens University)
SAASS	School of Advanced Air and Space Studies (Air University)
SF&RD	Strategy, Forces and Resources Division (IDA, Alexandria, VA)
SOCOM	Special Operations Command
SSP	Security Studies Program (MIT)
<i>SSQ</i>	<i>Strategic Studies Quarterly</i> (Air University)
STRIACC	Strategic Interagency Coordination Center
SAIS	School of Advanced International Studies (Johns Hopkins)
TRADOC	Training and Doctrine Command (US Army)
<i>TWS</i>	<i>The Wright Stuff</i> (Air University) — No longer published
USAFA	United States Air Force Academy (Colorado Springs, CO)
USAFE	United States Air Forces, Europe
USEUCOM	United States European Command
USNC	United States Navy War College (Newport, RI)
WCFIA	Weatherhead Center for International Affairs (Harvard)

# AU Research

## AU Research at Maxwell

Each year the AU commander invites senior DOD, Air Force, sister-service, and interagency leaders to propose research topics for the incoming classes at AU. This report seeks to inform AU research sponsors of the research that was accomplished in response to their topics, direct them to where they can review that research, and solicit their feedback. Those papers can be found online at the sites listed below.

AU research papers published online at the Air University Research Information Management System (AURIMS) are cleared for public release. They are organized to facilitate finding products related to a given topic or provided by a particular contributor. Some papers may relate to more than one topic and may appear in more than one search.

Air Force Research Institute

**<http://afri.au.af.mil/>**

Air University Research Information Management System (AURIMS)

**<https://auportal.maxwell.af.mil/aurims>**

Air University Press

**<http://aupress.maxwell.af.mil/>**

*Air and Space Power Journals (ASPJ)*

**<http://www.airpower.au.af.mil/>**

*Strategic Studies Quarterly (SSQ)*

**<http://www.au.af.mil/au/ssq/>**

Muir S. Fairchild Research Information Center (MSFRIC)

**<http://www.au.af.mil/au/aul/lane.htm>**

**If you would like to know more about our research program or have questions regarding the information in this bulletin, please e-mail us at:  
[research.support@maxwell.af.mil](mailto:research.support@maxwell.af.mil)**

## AU Research at Wright-Patterson

In addition, a detailed AFIT Research Report is available at:

**<http://www.afit.edu/en/enr/index.cfm>**

