

The Best of INSS:
A Ten Year Retrospective

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USAF Institute for National Security Studies
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The Best of INSS

A collection of representative publications, programs, and conferences during the first ten years of the Institute that have influenced the development of national security policy by injecting fresh thinking into the national policy making community.

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KEY EVENTS IN THE HISTORY OF THE INSTITUTE

1992

- Spring Col Pete Engstrom, AF/XOXI, briefs USAFA Dean, Brig General Ruben Cubero, on concept
- August Feasibility study begun by Lt Colonel Jeffrey Larsen, USAFA/DFPS
- October First research projects funded

1993

- May Institute approved by XOXI and USAFA.
Lt Colonel Larsen appointed first director
- June INSS moves into Fairchild Hall offices within USAFA/DFE
- September Add billets for temporary 2nd Lieutenants
- Fall New sponsors: SAF/IA and AF/XOX
- Fall Add AF Reserve IMA billet
- Fall First quarterly newsletter published
- October First research results conference held
- December Deputy billet added—first deputy: Captain Greg Rattray, USAFA/DFPS

1994

- May First special INSS edition of *Airpower Journal* published
- July First Occasional Paper published
- July Add secretary billet (later converted to budget assistant)
- August Add billet for National Defense Fellow
- Fall Add contract support through XOXI
- August Create and teach new USAFA course on WMD proliferation

1995

- Spring New budget assistant: Ms Diana Heerdt
- Spring New sponsors: Defense Nuclear Agency and AF/IN
- May Lt Colonel Larsen wins Fulbright NATO Research Fellowship

June	Begin fissile materials smuggling workshop series
July	New deputy director: Captain Robert Dunaway (USA), USAFA/DFEG
August	Establish MOU for funding ACSC projects
Fall	New sponsor: Army Environmental Policy Institute
1996	
January	Add 2 nd deputy director: Major Alan Van Tassel, USAFA/DFPS
February	<i>Arms Control Toward the 21st Century</i> published
Spring	New sponsor: OSD Net Assessment
May	<i>INSS Staff Officer Handbook</i> published
July	New director: Lt Colonel Peter Hays, USAFA/DFPS
August	New deputy director: Major Vince Jodoin, USAFA/DFP
Fall	Create INSS web site
Fall	New sponsor: On-Site Inspection Agency
1997	
Spring	New sponsor: Army Space Command
Spring	<i>American Defense Policy</i> , 7 th ed., published
June	Move to new offices
Summer	Primary sponsor changes name from XOXI to XONP
Fall	Establish Linhard and USAFA research awards
1998	
Spring	<i>Countering the Proliferation and Use of WMD</i> published
August	New director: Dr. James Smith, USAFA/34EDG
August	New USAFA Dean of Faculty: Brigadier General David Wagie
August	New deputy director: Major Brent Talbot, USAFA/DFPS
1999	
August	<i>Arms Control in the Asia-Pacific Region</i> published
Fall	INSS researcher, Colonel Jeff McCausland (USA), joins National Security Council staff
Fall	New sponsor: Defense Threat Reduction Agency

2000

Spring New sponsors: 23rd and 39th Information Operations Squadrons

Spring Dr. Smith joins USAF Developing Aerospace Leaders project

July *Searching for National Security in an NBC World* published

Summer *Spacepower for a New Millenium* published
(Awarded Air Force Association Citation of Honor 2001)

2001

February *Nuclear Deterrence and Defense: Strategic Considerations* published

March *The Terrorism Threat and U.S. Government Response: Operational and Organizational Factors* published

July *Controlling Non-Strategic Nuclear Weapons: Obstacles and Opportunities* published

2002

January New deputy director: Lt Colonel Hal Bidlack, Department of State

February Director position converted to civilian billet

May INSS 10-Year Retrospective conference held in McLean, Virginia

Summer Former NDF, Mark Stearns, promoted to Brigadier General

August *Arms Control: Cooperative Security in a Changing Environment* published

August Former Deputy Director, Lt Colonel Greg Rattray, joins National Security Council staff

September *Milestones in Strategic Arms Control* published

OCCASIONAL PAPERS

The INSS Occasional Paper series, begun in 1994, is the flagship publication of the Institute. Almost 50 papers have been published in all categories of INSS research: arms control, proliferation, national security, Air Force policy, environmental security, regional studies, space, and information operations. The papers were designed to be reader-friendly—small enough to hold, short enough to be readable, and interesting enough to merit publication. The following list highlights some papers that had the greatest impact on their target audiences.

1. *Explaining Weapons Proliferation: Going Beyond the Security Dilemma.* Gregory J. Rattray, July 1994.
 - The number one hit for Internet searches on INSS. The first INSS publication, written by the Deputy Director and future staff member of the National Security Council.
2. *The Ukrainian Military: Instrument for Defense or Domestic Challenge?* Oleg Strekal, November 1994.
3. *North Korea's Nuclear Program: The Clinton Administration's Response.* William E. Berry, Jr., March 1995.
4. *Environmental Assistance as National Security Policy: Helping the Former Soviet Union Find Solutions to its Environmental Problems.* Robert L. Dunaway, November 1995.
5. *Economic Power in the Sino-U.S. Relationship.* Kevin F. Donovan, December 1995.
6. *Nuclear Proliferation: Diminishing Threat?* William H. Kincade, December 1995.
7. *Nuclear Proliferation: The Diplomatic Role of Non-Weaponized Programs.* Rosalind R. Reynolds, January 1996.
8. *Five Minutes Past Midnight: The Clear and Present Danger of Nuclear Weapons Grade Fissile Materials.* Guy B. Roberts, February 1996.
 - Winner of first annual INSS publication award—later named the Linhard Award. Also published as “Nuclear Weapons-Grade Fissile Materials: The Most Serious Threat to U.S. National Security Today?” *Airpower Journal*, Special Edition 1996.

9. *The International Legal Implications of Information Warfare*. Richard W. Aldrich, April 1996.
 - According to the legal advisors at the Department of State, *the* standard reference work on this subject today.
10. *Weapons Proliferation and Organized Crime: The Russian Military and Security Force Dimension*. Graham H. Turbiville, Jr., June 1996.
 - First product from the INSS fissile materials workshop series, also published under the same title in the 1996 Special Edition of *Airpower Journal*.
11. *Melancholy Reunion: A Report from the Future on the Collapse of Civil-Military Relations in the United States*. Charles J. Dunlap, Jr., October 1996.
12. *Russia's Crumbling Tactical Nuclear Weapons Complex: An Opportunity for Arms Control*. Stephen P. Lambert and David A. Miller, April 1997.
 - Winner of the 1997 Linhard Award. Authors invited to plan an Airlie House conference for the Air Staff based on this work. First of five INSS publications and two Linhard Awards for Lambert.
13. *Political-Military Affairs Officers and the Air Force: Continued Turbulence in a Vital Career Specialty*. James E. Kinzer and Marybeth Peterson Ulrich, April 1997.
14. *Environmental Federalism and U.S. Military Installations: A Framework for Compliance*. James M. Smith, June 1997.
 - Winner of 1997 Outstanding USAFA Researcher Award. Author invited to give plenary presentation at OSD national conference, sharing program with the Deputy Undersecretary of Defense for Environmental Security.
15. *Nonlethal Weapons: Terms and References*. Robert J. Bunker, July 1997.
 - First publication by a non-sponsored author; valuable reference dictionary in an evolving arena of conflict.
16. *Threat Perceptions in the Philippines, Malaysia, and Singapore*. William E. Berry, Jr., September 1997.

17. *NATO Counterproliferation Policy: A Case Study in Alliance Politics*. Jeffrey A. Larsen, November 1997.
 - Final product of two-year Fulbright NATO Research Fellowship. Posted on NATO Public Affairs web site, and combined with a paper by Guy Roberts as a chapter in Hays, Jodoin, and Van Tassel, eds., *Countering the Proliferation and Use of Weapons of Mass Destruction*.
18. *Uncharted Paths, Uncertain Vision: U.S. Military Involvements in Sub-Saharan Africa in the Wake of the Cold War*. Dan Henk, March 1998.
19. *USAF Culture and Cohesion: Building an Air and Space Force for the 21st Century*. James M. Smith, June 1998.
 - Author invited to participate in the USAF Chief of Staff's "Developing Aerospace Leaders" project based on this work. This paper was cited in a RAND Corporation brief to AF/XP as one of the best studies on USAF culture.
20. *A Post-Cold War Nuclear Strategy Model*. Gwendolyn Hall, John T. Cappello, and Stephen P. Lambert, July 1998.
 - Winner of Linhard Award; first of very strong four-paper series by this writing team.
21. *Counterforce: Locating and Destroying Weapons of Mass Destruction*. Robert W. Chandler, September 1998.
 - Important study of operational targeting issues of great import to the Air Force.
22. *Environmental Security in the Czech Republic: Status and Concerns in the Post-Communist Era*. Paul J. Valley, October 1998.
23. *NATO: Potential Sources of Tension*. Joseph R. Wood, February 1999.
24. *Juggling the Bear: Assessing NATO Enlargement in Light of Europe's Past and Asia's Future*. David S. Fadok, March 1999.
25. *The Next Peace Operation: U.S. Air Force Issues and Perspectives*. William C. Thomas and Jeremy D. Cukierman, May 1999.

26. *Interpreting Shadows: Arms Control and Defense Planning in a Rapidly Changing Multi-Polar World*. David R. King, June 1999.
-- Winner of 1998 INSS Outstanding USAFA Researcher Award.
27. *Out of (South) Africa: Pretoria's Nuclear Weapons Experience*. Roy E. Horton, III, August 1999.
-- Re-published in *Africa Defence Journal*, Zimbabwe, 2000.
28. *The Chinese People's Liberation Army: "Short Arms and Slow Legs."* Russell D. Howard, September 1999.
-- Copies requested by DAO for distribution in embassy in Beijing—
read by embassy staff, including the Ambassador
29. *Overcoming Uncertainty: U.S.-China Strategic Relations in the 21st Century*. Walter N. Anderson, October 1999.
-- Copies requested by DAO for distribution in embassy in Beijing—
read by embassy staff, including the Ambassador
30. *The Viability of U.S. Anti-Satellite (ASAT) Policy: Moving Toward Space Control*. Joan Johnson-Freese, January 2000.
31. *Indo-Russian Military and Nuclear Cooperation: Implications for U.S. Security Concerns*. Jerome M. Conley, February 2000.
-- His full thesis on this topic published by Lexington Press.
32. *Cyberterrorism and Computer Crimes: Issues Surrounding the Establishment of an International Legal Regime*. Richard W. Aldrich, April 2000.
33. *Sharing the Knowledge: Government-Private Sector Partnerships to Enhance Information Security*. Steven M. Rinaldi, May 2000.
34. *Prospects for a Conventional Arms Reduction Treaty and Confidence-Building Measures in Northeast Asia*. Bonnie D. Jenkins, August 2000.
35. *Water: The Hydraulic Parameter of Conflict in the Middle East and North Africa*. Stephen D. Kiser. August 2000.
-- Winner of 2000 Outstanding USAFA Faculty Researcher Award.
36. *This Arms Control Dog Won't Hunt: The Proposed Fissile Material Cut-Off Treaty at the Conference on Disarmament*. Guy B. Roberts, January 2001.

37. *The Rollback of South Africa's Biological Warfare Program*, Stephen Burgess and Helen Purkitt, February 2001.
 - High demand paper, also published by the Center for Counterproliferation Research, Air University. Highlighted on CBS' "60 Minutes," October 2002.
38. *Constraints, Restraints, and the Role of Aerospace Power in the 21st Century*, Jeffrey K. Beene, April 2001.
 - Captured the emerging role of airpower as a supported instrument of national power; praised by flag-rank officers.
39. *Aerospace Power in Urban Warfare: Beware the Hornet's Nest*, Peter C. Hunt, May 2001.
 - Addressing a key concern to warfighters regarding the location of future conflict.
40. *U.S. Policy Towards Succession in the Balkans and Effectiveness of De Facto Partition*, Evelyn N. Farkas; and *Improving U.S.-Russian Relations Through Peacekeeping Operations*, Beth L. Makros and Jeremy C. Saunders (two papers in one), June 2001.
41. *The Common European Security and Defense Policy (ESDP)*. Edward G. Gunning, Jr., July 2001.
42. *United States Military Space: Into the Twenty-First Century*. Peter L. Hays, January 2002.
 - First joint publication by INSS and the Air University Press. Combination of two research papers under one cover.
43. *Lords of the Silk Route: Violent Non-State Actors in Central Asia*. Troy S. Thomas and Stephen D. Kiser, May 2002.
 - Winner of 2002 Linhard Award. Formed the basis for Kiser's dissertation and the Thomas/Casebeer chapter in a forthcoming INSS book on deterrence theory. Invited to brief HQ USAF/CVX (Task Force *Enduring Look*) on this topic.
44. *"All Our Tomorrows": A Long-Range Forecast of Global Trends Affecting Arms Control Technologies*. James M. Smith and Jeffrey A. Larsen, June 2002.
 - Summary of a 605-page final report from a three-phase project for the Defense Threat Reduction Agency. Project was a partnership between INSS, USAFA faculty, a number of INSS researchers, and personnel from Sandia and Los Alamos National Laboratories.

45. *“Squaring the Circle”: Cooperative Security and Military Operations*. Jeffrey D. McCausland, July 2002.
46. *Tactical Nuclear Weapons: Debunking the Mythology*. John T. Cappello, Gwendolyn M. Hall, and Stephen P. Lambert, August 2002.
47. *Northeast Asia Regional Security and the United States Military: Context, Presence, and Roles*. Susan F. Bryant, Russell D. Howard, Jay M. Parker, and Albert S. Wilner, November 2002.

EDITED OR SPONSORED COMMERCIAL BOOKS

The Institute has sponsored several books that were developed jointly with other organizations and distributed by commercial publishing houses. In some cases INSS co-hosted the authors' conference on the topic, or sponsored individual research efforts that made their way into the final manuscript.

Jeffrey A. Larsen and Gregory J. Rattray, eds. ***Arms Control Toward the 21st Century***. Boulder, CO: Lynne Rienner Publications, 1996.

-- Number one text on topic, used in college courses across the country, including the State Department's Foreign Service Institute and all four war colleges. Three printings, including one in Chinese. Editors were INSS Director and Deputy Director. New version published 2002.

James L. Ford and C. Richard Schuller, ***Nuclear Smuggling Pathways: A Holistic Perspective***. Washington, DC: National Defense University Press, 1996.

-- Leading study of the nature and dangers of fissile material control and smuggling, published by two members of the Department of Energy who met through the INSS workshop series on the same topic.

Peter L. Hays, Alan R. Van Tassel, and Brenda J. Vallance, eds. ***American Defense Policy***, 7th Edition. Baltimore, MD: Johns Hopkins University Press, 1997.

-- Latest edition of renowned collegiate textbook, edited and produced by the INSS staff.

T.V. Paul, Richard J. Harknett, and James J. Wirtz, eds. ***The Absolute Weapon Revisited: Nuclear Arms and the Emerging International Order***. Ann Arbor, MI: University of Michigan Press, 1998.

-- INSS co-sponsored the August 1997 authors' conference for this book in Monterey, CA.

Peter L. Hays, Vincent J. Jodoin, and Alan R. Van Tassel, eds. ***Countering the Proliferation and Use of Weapons of Mass Destruction***, McGraw-Hill, 1998.

-- Based on an INSS conference held July 1997 at National Defense University, Washington, DC.

Barry R. Schneider. ***Future War and Counterproliferation: U.S. Military Responses to NBC Proliferation Threats***. Westport, CT: Praeger Press, 1999.

-- INSS sponsored several studies that became chapters in this book. One paper was published in the 1996 Special Edition of *Airpower Journal* under the title "Strategies for Coping with Enemy Weapons of Mass Destruction."

Peter L. Hays, James M. Smith, Alan R. Van Tassel, and Guy M. Walsh, eds. ***Spacepower for a New Millennium: Space and U.S. National Security***. New York: McGraw-Hill, 2000.

-- Air Force Association Citation of Honor—copies sent to all members of the U.S. Space Commission. Based on INSS conference held in Colorado Springs, CO, July 1998.

Peter R. Lavoy, Scott D. Sagan, and James J. Wirtz, eds., ***Planning the Unthinkable: How New Powers Will Use Nuclear, Biological, and Chemical Weapons***. Ithaca, NY: Cornell University Press, 2000.

-- INSS co-sponsored the August 1997 plenary conference in Monterey, CA.

Charles Krupnick, ***Decommissioned Russian Nuclear Submarines and International Cooperation***. Jefferson, NC: McFarland and Co, 2001.

-- First major work on an important aspect of controlling proliferation. Foreword by former Secretary of Defense William Perry. Follow-on to his 1999 INSS Outstanding USAFA Researcher Award paper.

Gregory Rattray, ***Strategic Warfare in Cyberspace***. Cambridge, MA: MIT Press, 2001.

-- INSS sponsored the author's Ph.D. research that led to this book. Winner of 2001 Linhard Award.

James J. Wirtz and Jeffrey A. Larsen, eds. *Rockets' Red Glare: Missile Defenses and the Future of World Politics*. Boulder, CO: Westview Press, 2001.

-- INSS sponsored the authors' conference in Washington, DC, May 2000.

Jeffrey A. Larsen, ed. *Arms Control: Cooperative Security in a Changing Environment*. Boulder, CO: Lynne Rienner Publications, 2002.

-- Updated and expanded version of 1996 edition. Foreword by Thomas Schelling. INSS co-sponsored the author conferences in Chicago, IL, February 2001, and Washington, DC, July 2001.

IN-HOUSE BOOK SERIES

Approximately once a year the Institute sponsors a major book on a topic of particular interest to one of its sponsor organizations. These are then published by the U.S. Government Printing Office or other government publishers.

In addition, for three years (1994-96) the Institute had an agreement with Air University Press to publish an annual Special Edition of Airpower Journal. Each of these issues contained six to eight of the best papers written by INSS sponsored researchers the previous year (typically those selected had not previously been published as INSS Occasional Papers).

Jeffrey A. Larsen and Thomas D. Miller, eds. ***Arms Control in the Asia-Pacific Region***, August 1999.

-- First ever book focused on Asian arms control. Direct support to AF/XONP, based on international conference held March 1999 in Honolulu, HI.

James M. Smith, ed. ***Searching for National Security in an NBC World***, July 2000.

-- Includes second very strong paper by Cappello/Hall/Lambert team.

James M. Smith, ed. ***Nuclear Deterrence and Defense: Strategic Considerations***, February 2001.

-- Includes third very strong paper by Cappello/Hall/Lambert team. Howard/Bryant chapter cited by South Korean Minister of Defense in briefing to CINCUSKOREA

James M. Smith and William C. Thomas, eds. ***The Terrorism Threat and U.S. Government Response: Operational and Organizational Factors***, March 2001.

-- Extremely high demand monograph. Requested by U.S. Senator for distribution to his committee staff. Referenced in press conferences by government officials following 9/11 terrorist attacks.

Jeffrey A. Larsen and Kurt Klingenberg, eds. ***Controlling Non-Strategic Nuclear Weapons: Obstacles and Opportunities***, July 2001.

- All-star cast of authors, including multiple former ambassadors. Direct support to AF/XONP, based on November 2000 conference in Warrenton, Virginia. Listed in multiple bibliographies and articles on this important but overlooked topic. Distributed to members of key House and Senate committees.

James M. Smith and Gwendolyn M. Hall, eds. ***Milestones in Strategic Arms Control 1945-2000: United States Air Force Roles and Outcomes***. Montgomery, AL: Air University Press, September 2002.

- Original perspective—captures lessons learned and knowledge creation and management, pairing historical chapters by Academy faculty with chapters by participants in the Air Staff arms control process. Requested by AF/XONP Division Chief.

CONFERENCE SERIES

The Institute sponsors conferences and workshops on its various subject areas as a normal part of its annual research agenda. Several ongoing series of conferences, however, have been of particular visibility and value. Among those are the following.

Privatization in Russia

-- High-level conference held in Colorado Springs, CO, in February 1994. Attended by members of the government and intelligence communities from the United States and Russia, including the future Russian Director of Business Privatization. Co-sponsored with USAFA's Department of Economics and Geography, the Central Intelligence Agency, Defense Intelligence Agency, and Department of Energy.

US-French Counterproliferation Working Group

-- INSS represented AF/XOXI as co-sponsor with US-CREST. Workshops were held in Paris and Washington, DC, during 1994 and 1995, resulting in two US-CREST publications to which INSS staff contributed. The focus was on cooperative measures to identify, halt, and reverse WMD proliferation to rogue states.

Fissile Materials Smuggling and Control

-- Workshops began in the summer of 1995 and have been held in Colorado Springs, CO, Washington, DC, Pittsburgh, PA, Carlisle, PA, and Livermore, CA. In 2001 INSS expanded the topical coverage to include controls over precursor materials for all types of weapons of mass destruction.

ACADEMIC COURSES

The Institute staff teaches part-time on the Academy faculty, and has on occasion developed interdisciplinary courses taught at the Air Force Academy and elsewhere.

The Proliferation of Weapons of Mass Destruction

-- Social Sciences 495, US Air Force Academy, first taught by INSS in Fall 1994, then continued in following years by the 34th Education Group.

Counterproliferation Awareness Course

-- INSS asked to contribute to the syllabus and attend the first presentation of this two-day professional course taught at the Defense Nuclear School, Kirtland AFB, NM, October 1995.

Comparative Airpower

-- Military Doctrine, Operations, and Strategy 470, US Air Force Academy, first taught by INSS in Spring 1999. Offered annually through 2002; key aspects and cases incorporated into Military Strategic Studies 365.

United States Foreign and National Security Policy

-- Political Science 396, US Air Force Academy. Course designed and taught by INSS in 2001; combined two previous courses that had been occasionally taught by INSS staff (Politics of US National Security Policy and US Foreign Policy).

Developing the Military Strategist

-- Military Strategic Studies 365, US Air Force Academy, first taught in Spring 2003. Designed as part of USAFA's Military Strategy Studies major.

OTHER NOTABLE RESEARCH PAPERS AND PUBLICATIONS

The large number of projects sponsored each year mean that not every deserving paper can be published as an INSS Occasional Paper. However, many of these are published elsewhere. The following chronological list highlights some of those that have had the biggest impact on thinking within DoD and the U.S. Air Force.

Richard W. Aldrich and Norman K. Thompson, "Verifying Chemical and Biological Weapons Treaties: Is the Constitution a Stumbling Block?" *Airpower Journal*, Special Edition 1994.

Charles Shotwell, Joginder Dhillon, and Deborah C. Pollard, "Ballistic Missile Defense for the Twenty-First Century: At the Crossroads of Global Security," *Airpower Journal*, Special Edition 1994.

Miriam Becker, "Strategic Culture and Ballistic Missile Defense: Russia and the United States," *Airpower Journal*, Special Edition 1994.

Douglas Erwin, "The United States and Nuclear Weapons in Europe," *Airpower Journal*, Special Edition 1994.

Jeffrey A. Larsen, "Considerations in Creating a New Security Research Institute," *Defense Analysis* (UK), April 1994.

Jonathan W. Klaaren and Ronald S. Mitchell, "Nonlethal Technology and Airpower: A Winning Combination for Strategic Paralysis," *Airpower Journal*, Special Edition 1995.

Robert F. Hahn, II, "The Congressional Defense Department: Competitive Strategy Making in the Post-Cold War World," *Airpower Journal*, Special Edition 1995.

Combating Fissile Material Smuggling in the Former Soviet Union. INSS Conference report, June 1995.

Combating Fissile Materials Smuggling Workshop #2. INSS Conference Report, December 1995.

- Joseph W. Cook III, David P. Fiely, and Maura T. McGowan, "Nonlethal Weapons: Technologies, Legalities, and Potential Policies," *Airpower Journal*, Special Edition 1995.
- Angus McColl, "Is Counterproliferation Compatible with Nonproliferation?" 1995.
 -- 1995 Naval Postgraduate School Thesis Award, and published in *Airpower Journal*, Special Edition 1995.
- Robin Dorff, "German Policy Toward Peace Support Operations," 1995.
 -- Published under the same title in *Parameters*, Spring 1996; and as "German Policy Toward Peace Support Operations," in *Force, Statecraft, and German Unity: The Struggle to Adapt Institutions and Practices*, Thomas-Durell Young, ed. Carlisle, PA: U.S. Army War College, Strategic Studies Institute, Spring 1996.
- Timothy L. Thomas, "Russian Views on Information-Based Warfare," *Airpower Journal*, Special Edition 1996.
Special Materials Smuggling Seminar. Carlisle, PA: U.S. Army War College, Center for Strategic Leadership, June 1996.
- Ford, James L. "Nuclear Smuggling: How Serious a Threat?" *Strategic Forum* series no. 59. Washington, DC: Institute for National Strategic Studies, National Defense University, January 1996.
 -- Monograph resulting from INSS fissile material smuggling workshop series.
- Marybeth Peterson Ulrich, "Democracy and Russian Military Professionalism: Why Full NATO Membership is Still a Long Way Off," *Airpower Journal*, Special Edition 1996.
- Mark N. Gose, "The New Germany and Nuclear Weapons: Options for the Future." *Airpower Journal* Special Edition 1996.
 -- Winner of 1996 INSS Outstanding USAFA Researcher Award.
- Lt Col Kurt Klingenberger, "Air Force Operations in an NBC Environment," 1996.
 -- Led thinking for USAF emphasis on CBW preparation later in the decade.
Special Weapons Material Workshop. Pittsburgh, PA: University of Pittsburgh, Ridgway Center, July 1997.

Timothy L. Sanz, "Nuclear Terrorism: Published Literature Since 1992," *Military Review*, July/August 1997. Also found at <http://www-cgsc.army.mil/milrev/english/julaug97/sanz.htm>.

Roy Nici and Douglas Kaupa, "Planetary Defense," *Airpower Journal*, Summer 1997.

-- An unusual topic—defending earth from rogue asteroids—but an arena in which the US Air Force may someday be called upon to quite literally save the world.

Maj Russell DeFusco, et al, "Bird Avoidance Model," 1997.

-- This INSS-sponsored project was later continued in official USAF research circles, and highlighted in a spring 2002 issue of *National Geographic*.

Harold Bidlack, "The Impact of Global Climate Change on National Security," 1997.

-- Policy paper drafted during INSS-sponsored fellowship to the National Security Council staff—paper requested by Deputy Undersecretary of Defense for Environmental Security and served as departure point for the DoD statement on global climate change.

Jeffrey H. Richardson, ed. *Workshop Proceedings for USAF Institute of National Security Studies: Combating Fissile Materials Smuggling Workshop #5*. Livermore, CA: Lawrence Livermore National Laboratory, February 1998.

Dr. Charles Krupnick, "Russian Submarines, Nuclear Waste, and a Model for International Collaboration," 1998.

-- Winner of 1998 INSS Outstanding USAFA Researcher Award.

Robin Dorff, "Public Opinion and NATO Enlargement," 1998.

-- Published as "Germany and the Future of European Security," *World Affairs*, Fall 1998; also as "Public Opinion and NATO Enlargement," in *NATO After Enlargement: New Challenges, New Missions, New Forces*, Stephen J. Blank, ed. Carlisle, PA: U.S. Army War College, Strategic Studies Institute, 1998.

Frank Klotz, *Space, Commerce, and National Security*, Council on Foreign Relations Monograph, 1999.

-- Selected for publication by internationally prestigious Council on Foreign Relations.

- John Nagl, "Defending Against New Dangers: Arms Control of Weapons of Mass Destruction in a Globalized World," 1999.
-- Winner of FY99 Linhard Award, published in revised version as a chapter in Larsen, ed., *Arms Control: Cooperative Security in a Changing Environment*, Boulder, CO: Lynne Rienner, 2002.
- Jeff McCausland, "Endgame: CFE Adaptation and the OSCE Summit," 1999.
-- Winner of 1999 Linhard Award. Published as "Carts and Horses: Strategy and Arms Control for a New Europe," *Parameters* (Spring 1999), and "Endgame: CFE Adaptation and the OSCE Summit," *Arms Control Today*, September/October 1999.
- James Smith, "Expeditionary Leaders, CINCs, and Chairmen: Shaping Air Force Officers for Leadership Roles in the Twenty-First Century," *Aerospace Power Journal*, Winter 2000.
-- Concept paper for a later HQ USAF study that recommended the creation of a formal political-military specialist career track.
- James Smith, Daniel Kaufman, Robin Dorff, and Linda Brady, *Educating International Security Practitioner*, Carlisle, PA: US Army War College Strategic Studies Institute, July 2001.
-- Expansion on Smith's earlier article, focusing on spanning undergraduate, graduate, and professional military education, as well as policy research and outreach dissemination.
- Brent J. Talbot and Jeffrey J. Hicks, "Led by a Lion: The U.S. Role in Preserving Gulf Security," *Aerospace Power Journal*, Fall 2000.
-- Timely explanation of the policy rationale for a continued USAF force presence and mission in the Persian Gulf region.
- Fissile and Chemical Workshop*. INSS Conference Report, March 2001.
- Troy Thomas, "Slumlords: Aerospace Power in Urban Fights," *Aerospace Power Journal*, Spring 2002.
-- Winner of 2001 INSS Outstanding USAFA Researcher Award.
- Dr. Paul Bolt and Capt Carl Brenner, "Information Warfare Across the Taiwan Strait," 2002.
-- Winner of 2002 INSS Outstanding USAFA Researcher Award.

INSS AWARD WINNERS

INSS Outstanding Researcher

(Major General Robert E. Linhard Award)

- 1996 Guy B. Roberts, USMC
- 1997 Stephen P. Lambert, USAF, and David A. Miller, USAF
- 1998 John T. Cappello, USAF, Gwendolyn M. Hall, USAF, and Stephen P. Lambert, USAF
- 1999 Jeffrey D. McCausland, USA
- 2000 John A. Nagl, USA
- 2001 Gregory J. Rattray, USAF
- 2002 Stephen D. Kiser, USAF, and Troy S. Thomas, USAF

INSS Outstanding USAFA Researcher Award

- 1996 Mark N. Gose, DFPS
- 1997 James M. Smith, 34 EDG
- 1998 David R. King, DFM
- 1999 Charles A. Krupnick, 34 EDG
- 2000 Stephen D. Kiser, DFPS
- 2001 Troy S. Thomas, DFPS
- 2002 Paul J. Bolt, DFPS, and Carl N. Brenner, DFPS

INSS STAFF 1992-2002

Directors

1998- Lt Col (ret.) James M. Smith, Ph.D.
1996-1998 Lt Col Peter Hays, Ph.D.
1992-1996 Lt Col Jeffrey A. Larsen, Ph.D.

Deputy Directors

2002- Lt Col Hal Bidlack, Ph.D.
1999-2002 Major Brent Talbot
1996-1999 Major Vince Jodoin, Ph.D.
1996 Major Alan Van Tassel, Ph.D.
1995-1996 Major Robert Dunaway (USA)
1993-1995 Capt Gregory Rattray

National Defense Fellows

2002-2003 Lt Col Mark McAlpine
2001-2002 Lt Col Bradley Spacy
2000-2001 Lt Col Thomas Billick
1999-2000 Lt Col William Travnick
1998-1999 Lt Col Henri Bigo
1997-1998 Lt Col Guy Walsh
1996-1997 Lt Col David Estep
1995-1996 Lt Col Mark Stearns
1994-1995 Lt Col William Fruland

Visiting Fellows

2002-2003 Major Ken Barker, AFSPC
1998 Mr. Vakhtang Maisaia, Republic of Georgia
1997 Mr. Oleg Ivanov, Russian Republic
1996-1997 Lt Col Jeffrey Larsen, Ph.D., USAFA

IMA Reserve Officers

1993- Lt Col Timothy Krein
1998 Capt Barbara Clark
1994-1995 Lt Col Michael Preston

John F. Kennedy School of Government Summer Interns

2000 2Lt Seth Deam
1999 2Lt Beth Crimmell

Administrative Staff

1995- Mrs. Diana Heerdt, executive assistant/budget analyst
2002 2Lt Colin Henderson
2002 2Lt Andy Coleman
2001 2Lt David Pouska
2000 2Lt John Hale
1998 2Lt Bradley White
1996-1997 2Lt Reid Rasmussen
1996 2Lt James Roy
1995-1996 2Lt Grant Simmons
1995 2Lt Charles Podolak
1995 Major Esther Santo, summer research topics
1994-1995 2Lt T.J. O'Connell
1994 Capt Cheryl Shumate, summer research topics
1994 2Lt Mark O'Reilly
1993-1994 Mrs. Darlene Robinson, secretary

XOXI / XONP Liaison Officers

2002- Major Jeff Jenkins
1999-2002 Lt Col James Gray
1999 Lt Col Reb Benson
1995-1999 Major Christopher Maple
1995-1996 Lt Col Kurt Klingenberger
1994-1995 Major William Keller
1993-1994 Lt Col Charles Fletcher
1992-1993 Major Bradley Moffett

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Dr. James M. Smith, Director

