



NATIONAL RESEARCH COUNCIL  
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# **SCIENTISTS, ENGINEERS, AND TRACK-TWO DIPLOMACY**

**A Half-Century of U.S.-Russian Interacademy Cooperation**

GLENN E. SCHWEITZER



# Scientists Engineers And Two Track Diplomacy

**E. William Colglazier, Hassan A.  
Vafai, Kevin E. Lansey, Molli D. Bryson**

## **Scientists Engineers And Two Track Diplomacy:**

**Scientists, Engineers, and Track-Two Diplomacy** National Research Council, Development, Security, and Cooperation, Glenn E. Schweitzer, 2004-02-02 This report is intended to provide a brief historical perspective of the evolution of the interacademy program during the past half century recognizing that many legacies of the Soviet era continue to influence government approaches in Moscow and Washington and to shape the attitudes of researchers toward bilateral cooperation in both countries of special interest is the changing character of the program during the age of perestroika restructuring in the late 1980s in the Soviet Union to describe in some detail the significant interacademy activities from late 1991 when the Soviet Union fragmented to mid 2003 and to set forth lessons learned about the benefits and limitations of interacademy cooperation and to highlight approaches that have been successful in overcoming difficulties of implementation

**Track Two Diplomacy and Jerusalem** Tom Najem, Michael James Molloy, Michael Dougall Bell, John Bell, 2017-02-03 Track Two Diplomacy and Jerusalem is the first in a series of three books which collectively present the work of the Jerusalem Old City Initiative or JOCI a major Canadian led Track Two diplomatic effort undertaken between 2003 and 2014 JOCI's raison d'être was to find sustainable governance solutions for the Old City of Jerusalem arguably the most sensitive and intractable of the final status issues dividing Palestinians and Israelis Track Two Diplomacy and Jerusalem includes a series of studies that place JOCI within its historical setting and explain the theoretical context of Track Two diplomacy The book then proceeds to present the Initiative's culminating documents which outline in detail its proposed Special Regime governance model Until now the proposals have remained unpublished and available only to a limited audience of key stakeholders Presenting the information in an accessible format this book will contribute positively to the wider conversation on Jerusalem especially with respect to the longstanding conflict over control and governance of this holy city It will therefore be of value to several audiences from the policy making community to the various traditions found in academia

**Track Two Diplomacy in Theory and Practice** Peter Jones, 2015-09-02 Jones provides a nuanced perspective on both the promise and limits of this unheralded form of unofficial diplomacy Stephen J Del Rosso Director International Peace and Security Carnegie Corporation of New York Track Two diplomacy consists of informal dialogues among actors such as academics religious leaders retired senior officials and NGO officials that can bring new ideas and new relationships to the official process of diplomacy Sadly those involved in official diplomacy often have little understanding of and appreciation for the complex and nuanced role that Track Two can play or for its limitations And many Track Two practitioners are often unaware of the realities and pressures of the policy and diplomatic worlds and not particularly adept at framing their efforts to make them accessible to hard pressed officials At the same time those interested in the academic study of Track Two sometimes fail to understand the realities faced by either set of practitioners A need therefore exists for a work to bridge the divides between these constituencies and between the different types of Track Two practice and this book crosses disciplines

and traditions in order to do just that It explores the various dimensions and guises of Track Two the theory and practice of how they work and how both practitioners and academics could more profitably assess Track Two Overall it provides a comprehensive picture of the range of activities pursued under this title to provoke new thinking about how these activities relate to each other to official diplomacy and to academe This book will be a classic that defines the field of Track Two diplomacy an exemplary work Esra Cuhadar Bilkent University      Science and American Foreign Relations since World War II Greg Whitesides,2020-05-28 The sciences played a critical role in American foreign policy after World War II From atomic energy and satellites to the green revolution scientific advances were central to American diplomacy in the early Cold War as the United States leveraged its scientific and technical pre eminence to secure alliances and markets The growth of applied research in the 1970s exemplified by the biotech industry led the United States to promote global intellectual property rights Priorities shifted with the collapse of the Soviet Union as attention turned to information technology and environmental sciences Today international relations take place within a scientific and technical framework whether in the headlines on global warming and the war on terror or in the fine print of intellectual property rights Science and American Foreign Relations since World War II provides the historical background necessary to understand the contemporary geopolitics of science      **Science and Technology Diplomacy, Volume III** Hassan A. Vafai, Kevin E. Lansey,2018-08-29 Science diplomacy and policy can support collaborative national and international science for advancing knowledge with societal impact in fields such as climate space medicine and the environment Scientific advances made possible by the basic and applied research carried out by government agencies universities and nongovernmental organizations create opportunities and challenges with growing impact on policy decisions Developing structures that produce the best science information to policy makers is becoming more critical in an ever changing world This three volume set presented by prominent figures from the disciplines of science engineering technology and diplomacy includes their perspectives on potential solutions to opportunities 21st century scientists engineers and diplomats face in the future To shed light and interface science technology and engineering with the realm of policy To provide a vision for the future by identifying obstacles and opportunities while focusing on several key issues      **How Knowledge Moves** John Krige,2019-01-25 Knowledge matters and states have a stake in managing its movement to protect a variety of local and national interests The view that knowledge circulates by itself in a flat world unimpeded by national boundaries is a myth The transnational movement of knowledge is a social accomplishment requiring negotiation accommodation and adaptation to the specificities of local contexts This volume of essays by historians of science and technology breaks the national framework in which histories are often written Instead How Knowledge Moves takes knowledge as its central object with the goal of unraveling the relationships among people ideas and things that arise when they cross national borders This specialized knowledge is located at multiple sites and moves across borders via a dazzling array of channels embedded in heads and hands in artifacts

and in texts In the United States it shapes policies for visas export controls and nuclear weapons proliferation in Algeria it enhances the production of oranges by colonial settlers in Vietnam it facilitates the exploitation of a river delta In India it transforms modes of agricultural production It implants American values in Latin America By concentrating on the conditions that allow for knowledge movement these essays explore travel and exchange in face to face encounters and show how border crossings mobilize extensive bureaucratic technologies

**Knowledge Regulation and National Security in Postwar America** Mario Daniels, John Krige, 2022-04-25 The first historical study of export control regulations as a tool for the sharing and withholding of knowledge In this groundbreaking book Mario Daniels and John Krige set out to show the enormous political relevance that export control regulations have had for American debates about national security foreign policy and trade policy since 1945 Indeed they argue that from the 1940s to today the issue of how to control the transnational movement of information has been central to the thinking and actions of the guardians of the American national security state The expansion of control over knowledge and know how is apparent from the increasingly systematic inclusion of universities and research institutions into a system that in the 1950s and 1960s mainly targeted business activities As this book vividly reveals classification was not the only and not even the most important regulatory instrument that came into being in the postwar era

Sustainable Development for the Americas E. William Colglazier, Hassan A. Vafai, Kevin E. Lansey, Molli D. Bryson, 2021-12-20 Environmental sustainability efforts require a great deal of engagement and political will ranging from local communities to state departments Science diplomats from experts and scientists to spokespersons and ambassadors can help facilitate at all levels and yield valued resources from technology sharing capacity building and knowledge exchanges This book explores the importance of sustained international scientific cooperation building community resilience and the role of political will in sustainability and diplomacy It shows how even small diplomatic efforts can influence myriad issues from overfishing to human rights negotiations to global carbon emission reduction Features Examines various topics such as global climate change arid environments water security and governance trans boundary conflict and cooperation urban and rural resilience and public health Presents case studies from various geographic regions through the lens of diplomacy including the US Mexico border the Gulf of California South America Europe the Middle East Central and South Asia and China Discusses how building networks of people organizations and countries engaged in science diplomacy is crucial for mutual growth and for overcoming conflicting political stances Sustainable Development for the Americas Science Health and Engineering Policy and Diplomacy provides a useful resource for diplomats policymakers students and decision makers It provides numerous examples of how using science and technology for policy and diplomacy is essential to finding common ground among nations for a collective global benefit

Interacademy Programs Between the United States and Eastern Europe 1967-2009 National Research Council, Policy and Global Affairs, Development, Security, and Cooperation, Office for Central Europe and Eurasia, Glenn E. Schweitzer, 2009-12-02 Interacademy Programs Between the

United States and Eastern Europe 1967 2009 documents how interacademy programs have played a significant role in establishing and maintaining American scientific contacts with colleagues in Eastern Europe prior to and following the lifting of the Iron Curtain The book also discusses the changing roles of the academies of the region and the changing nature of interacademy cooperation that has emerged since 1991 The countries of interest are Poland the Czech Republic Slovakia Hungary Romania Bulgaria the former German Democratic Republic and the countries that previously were united politically within the framework of the former Yugoslavia The book should be of interest to officials and specialists in both the United States and the countries of Eastern Europe who are actively engaged in promoting scientific cooperation through bilateral and other channels Also an emerging audience for this book is the growing group of analysts in the United States interested in science diplomacy involving U S cooperation with countries that have political agendas that differ in important respects from the objectives of U S policies

**Freedom's Laboratory** Audra J. Wolfe, 2020-08-04 The Cold War ended long ago but the language of science and freedom continues to shape public debates over the relationship between science and politics in the United States Scientists like to proclaim that science knows no borders Scientific researchers follow the evidence where it leads their conclusions free of prejudice or ideology But is that really the case In Freedom's Laboratory Audra J Wolfe shows how these ideas were tested to their limits in the high stakes propaganda battles of the Cold War Wolfe examines the role that scientists in concert with administrators and policymakers played in American cultural diplomacy after World War II During this period the engines of US propaganda promoted a vision of science that highlighted empiricism objectivity a commitment to pure research and internationalism Working both overtly and covertly wittingly and unwittingly with governmental and private organizations scientists attempted to decide what exactly they meant when they referred to scientific freedom or the US ideology More frequently however they defined American science merely as the opposite of Communist science Uncovering many startling episodes of the close relationship between the US government and private scientific groups Freedom's Laboratory is the first work to explore science's link to US propaganda and psychological warfare campaigns during the Cold War Closing in the present day with a discussion of the 2017 March for Science and the prospects for science and science diplomacy in the Trump era the book demonstrates the continued hold of Cold War thinking on ideas about science and politics in the United States

From Pugwash to Putin Gerson S Sher, 2019-05-17 These firsthand accounts of US and Soviet scientists communicating across the Iron Curtain offer a stunning portrait of Cold War scientific cooperation Physics Today For sixty years scientists from the United States and the Soviet Union participated in state organized programs of collaboration But what really happened in these programs What did the participants and governments hope to achieve And how did these programs weather the bumpiest years of political turbulence From Pugwash to Putin provides accounts from sixty three insiders who participated in these programs including interviews with scientists program managers and current or former government officials In their own words these participants discuss how and why

they engaged in cooperative science what their initial expectations were and what lessons they learned They tell stories of gravitational waves classified chalkboards phantom scientists AIDS propaganda and gunfire at meteorological stations illustrating the tensions and benefits of this collaborative work From the first scientific exchanges of the Cold War through the years following the fall of the Soviet Union Gerson S Sher provides a sweeping and critical history of what happens when science is used as a foreign policy tool Sher a former manager of these cooperative programs provides a detailed and critical assessment of what worked what didn't and why it matters

### **Scientific Communication Across the Iron Curtain**

Christopher D. Hollings, 2015-12-12 This monograph provides a concise introduction to the tangled issues of communication between Russian and Western scientists during the Cold War It details the extent to which mid twentieth century researchers and practitioners were able to communicate with their counterparts on the opposite side of the Iron Curtain Drawing upon evidence from a range of disciplines a decade by decade account is first given of the varying levels of contact that existed via private correspondence and conference attendance Next the book examines the exchange of publications and the availability of one side's work in the libraries of the other It then goes on to compare general language abilities on opposite sides of the Iron Curtain with comments on efforts in the West to learn Russian and the systematic translation of Russian work In the end author Christopher Hollings argues that physical accessibility was generally good in both directions but that Western scientists were afflicted by greater linguistic difficulties than their Soviet counterparts whose major problems were bureaucratic in nature This volume will be of interest to historians of Cold War science particularly those who study communications and language issues In addition it will be an ideal starting point for anyone looking to know more about this fascinating area

### **Scientists, Engineers, and Track-two Diplomacy** Glenn E. Schweitzer, 2004

*Arctic Governance: Volume 3* Geir Hønneland, Ida Folkestad Soltvedt, Svein Vigeland Rottem, 2019-12-04 The Polar North is known to be home to large gas and oil reserves and its position holds significant trading and military advantages yet the maritime boundaries of the region remain ill defined In the twenty first century the Arctic is undergoing profound change As the sea ice melts a result of accelerating climate change global governance has become vital In this the third of three volumes the latest research and analysis from the world's leading Arctic research body the Fridtjof Nansen Institute is brought together for the first time Arctic Governance Norway Russia and Asia investigates the foreign policy discourses of Arctic governance specifically as regarding international relations and competing interests between Norway Russia and various Asian states

The Unique U.S.-Russian Relationship in Biological Science and Biotechnology Russian Academy of Sciences, National Research Council, Policy and Global Affairs, Development, Security, and Cooperation, Committee on U.S.-Russia Bioengagement, 2013-03-14 In the fall of 2010 the U S National Academies consisting of the National Academy of Sciences the National Academy of Engineering and the Institute of Medicine and the Russian Academy of Sciences in cooperation with the Russian Academy of Medical Sciences and the Russian Academy of Agricultural Sciences initiated a joint study of U S

Russian bilateral engagement in the biological sciences and biotechnology hereinafter collectively referred to as bioengagement The U S Department of State and the Russian Academy of Sciences provided support for the study The academies established a joint committee of 12 leading scientists from the two countries to assess bioengagement activities since 1996 and to provide recommendations as to collaborative efforts in the near future The Unique U S Russian Relationship in Biological Science and Biotechnology Recent Experience and Future Directions summarizes the principal conclusions and recommendations of the study *Containing Russia's Nuclear Firebirds* Glenn E. Schweitzer, 2013-01-01 In the aftermath of the Soviet Union's breakup into fifteen independent states the governments of the United States the European Community Japan and Russia established the International Science and Technology Center in Moscow to address the dangers of nuclear scientists on the loose The purpose of the ISTC also known as the Moscow Science Center was to prevent the illicit flow of dangerous weapons expertise out of the former Soviet Union by helping its underemployed nuclear biological chemical and aerospace weapons scientists redirect their skills to peaceful civilian endeavors Since its creation in 1994 the ISTC has provided more than 1.3 billion to support 2,740 projects involving nearly 100,000 scientists from the former Soviet Union and international partners Thirty nine governments have become part of the ISTC family Somewhat unexpectedly in April 2010 the Russian government announced that it would withdraw from the agreement establishing the ISTC contending that the Center had accomplished its mission The Moscow Science Center will close its doors in 2015 effectively terminating ISTC activities based in Russia Schweitzer examines the impact and effectiveness of the ISTC and emphasizes opportunities for the international community to draw on its legacy **Avoiding War with China** Amitai Etzioni, 2017-05-02 Are the United States and China on a collision course In response to remarks made by Donald Trump's secretary of state China's state run newspaper Global Times asserted Unless Washington plans to wage a large scale war in the South China Sea any other approaches to prevent Chinese access to the disputed islands will be foolish Some experts contend that conflict is inevitable when an established power does not make sufficient room for a rising power In this timely new work renowned professor of international relations Amitai Etzioni explains why this would be disastrous and points to the ways the two nations can avoid war The United States is already preparing for a war with China Etzioni reveals However major differences of opinion exist among experts on the extent of military commitment required and no plan has been formally reviewed by either Congress or the White House nor has any been subjected to a public debate Etzioni seeks here to provide a context for this long overdue discussion and to explore the most urgent questions How aggressive is China How powerful is it Does it seek merely regional influence or regional dominance or to replace the United States as the global superpower The most effective means of avoiding war several experts argue requires integrating China into the prevailing rule based liberal international order Etzioni spells out how this might be achieved and considers what can be done to improve the odds such an integration will take place Others call for containing or balancing China and Etzioni examines the

risk posed by our alliances with various countries in the region particularly India and Pakistan With insight and clarity Etzioni presents our best strategy to reduce tension between the two powers mapping out how the United States can accommodate China s regional rise without undermining its core interests its allies and the international order

**Countering Urban Terrorism in Russia and the United States** Russian Academy of Sciences,National Research Council,Policy and Global Affairs,Development, Security, and Cooperation,Office for Central Europe and Eurasia,Committee on Counterterrorism Challenges for Russia and the United States,2006-12-01 In January February 2005 the National Academies Committee on Counterterrorism Challenges for Russia and the United States and the Russian Academy of Sciences Standing Committee on Counterterrorism held a workshop on urban terrorism in Washington D C Prior to the workshop three working groups convened to focus on the topics of energy systems vulnerabilities transportation systems vulnerabilities and cyberterrorism issues The working groups met with local experts and first responders prepared reports and presented their findings at the workshop Other workshop papers focused on various organizations integrated response to acts of urban terrorism recent acts of terrorism radiological terrorism biological terrorism cyberterrorism and the roots of terrorism

**Give Peace a Chance** David A. Hamburg,Eric Hamburg,2015-11-17 In Give Peace a Chance the distinguished Dr Hamburg teams up with his filmmaker son to tell the story of selected significant peace achievements over the past 25 years Including lessons from personal experience pithy quotes from interviews with international dignitaries and the insights of a documentary sensibility this book reflects upon striking moments in peace history and inflects them with the perspective of preventive medicine From Jane Goodall s rainforest research station to a hostage taking in Eastern Africa to the Reagan Gorbachev post summit epiphany in Reykjavik the Hamburgs take us there They then distill the wisdom of these and many other encounters into an essential six pillars of prevention education early action democracy building socioeconomic development human rights and arms control These six pillars are essential not only to reflections upon the past but to future prospects emerging from recent challenges to peace the Arab Spring the violent repression in Syria and the brewing faceoff with Iran Features of this engaging text Combines personal experience including involvement in a hostage rescue mission with ongoing research in a variety of areas over 50 years Includes feature quotes and vignettes from international figures including Kofi Annan Sam Nunn and Hillary Clinton among many others Builds upon six key pillars of prevention education early warning democracy development human rights and arms control Concludes with prescriptions for peace action in four key areas the US and Western democracies the UN the EU and NATO Offers carefully selected Recommended Readings for every chapter See Stanford University s website for twenty nine videotaped interviews with world leaders in the prevention of mass violence at <http://lib.stanford.edu/preventing/genocide/list/interviews>

Bulletin of the Atomic Scientists ,1985-11 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security Founded by Manhattan Project Scientists the Bulletin s iconic Doomsday Clock stimulates solutions for a safer

world

## Unveiling the Energy of Verbal Beauty: An Mental Sojourn through **Scientists Engineers And Two Track Diplomacy**

In a global inundated with monitors and the cacophony of quick interaction, the profound power and psychological resonance of verbal artistry often disappear in to obscurity, eclipsed by the regular assault of sound and distractions. Yet, located within the lyrical pages of **Scientists Engineers And Two Track Diplomacy**, a interesting function of fictional elegance that impulses with raw feelings, lies an unique trip waiting to be embarked upon. Written by way of a virtuoso wordsmith, this interesting opus courses readers on an emotional odyssey, delicately exposing the latent possible and profound affect embedded within the elaborate internet of language. Within the heart-wrenching expanse of this evocative evaluation, we can embark upon an introspective exploration of the book is key themes, dissect their fascinating publishing model, and immerse ourselves in the indelible impression it leaves upon the depths of readers souls.

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### **Table of Contents Scientists Engineers And Two Track Diplomacy**

1. Understanding the eBook Scientists Engineers And Two Track Diplomacy
  - The Rise of Digital Reading Scientists Engineers And Two Track Diplomacy
  - Advantages of eBooks Over Traditional Books
2. Identifying Scientists Engineers And Two Track Diplomacy
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Scientists Engineers And Two Track Diplomacy
  - User-Friendly Interface
4. Exploring eBook Recommendations from Scientists Engineers And Two Track Diplomacy
  - Personalized Recommendations

- Scientists Engineers And Two Track Diplomacy User Reviews and Ratings
- Scientists Engineers And Two Track Diplomacy and Bestseller Lists
- 5. Accessing Scientists Engineers And Two Track Diplomacy Free and Paid eBooks
  - Scientists Engineers And Two Track Diplomacy Public Domain eBooks
  - Scientists Engineers And Two Track Diplomacy eBook Subscription Services
  - Scientists Engineers And Two Track Diplomacy Budget-Friendly Options
- 6. Navigating Scientists Engineers And Two Track Diplomacy eBook Formats
  - ePub, PDF, MOBI, and More
  - Scientists Engineers And Two Track Diplomacy Compatibility with Devices
  - Scientists Engineers And Two Track Diplomacy Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Scientists Engineers And Two Track Diplomacy
  - Highlighting and Note-Taking Scientists Engineers And Two Track Diplomacy
  - Interactive Elements Scientists Engineers And Two Track Diplomacy
- 8. Staying Engaged with Scientists Engineers And Two Track Diplomacy
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Scientists Engineers And Two Track Diplomacy
- 9. Balancing eBooks and Physical Books Scientists Engineers And Two Track Diplomacy
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Scientists Engineers And Two Track Diplomacy
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Scientists Engineers And Two Track Diplomacy
  - Setting Reading Goals Scientists Engineers And Two Track Diplomacy
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Scientists Engineers And Two Track Diplomacy
  - Fact-Checking eBook Content of Scientists Engineers And Two Track Diplomacy

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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