

“Senior Security Studies Course”

Handbook

**SENIOR
SECURITY
STUDIES
COURSE
(SSSC)**



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Strategic Studies Center,
National Defence Studies
Institute



Director
AVM Poomjai Leksuntarakorn

The Strategic Studies Center (SSC) was founded by the former Chief of Defence Forces, the visionary General Kriengsak Chamanand. The center was originally named the “Strategic Research Institute”, which was officially founded on the 9 April 1979.

The institute was to provide professional recommendations on strategies regarding politics, economics, socio-psychological issues, and defence aspects to higher commanders. The Strategic Research Institute was initially put under the National Defence College.

In 1990, the National Defence Studies Institute (NDSI) was founded. Then, the Strategic Research Institute was transferred to be under the NDSI. Later, on the 2 April 2009, the “Strategic Research Institute” was renamed the “Strategic Studies Center”, or SSC until today.

Vision A leading organization in building and disseminating security and strategy knowledge, aiming towards excellence in ASEAN”

Mission The Strategic Studies Center (SSC) is responsible for planning and operations regarding studies, researches, and assessments of relevant strategic environments, which may have impacts on national security. The SSC regularly provides perspectives and professional recommendations on strategies and security to defence organizations and the government, having the Director of Strategic Studies Center as head.

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**Daniel K. Inouye
Asia-Pacific Center for
Security Studies**



**Director
Peter A. Gumataotao
Rear Admiral (Ret.), U.S. Navy**

The Daniel K. Inouye Asia-Pacific Center for Security Studies (DKI APCSS) is a U.S. Department of Defense institute that officially opened Sept. 4, 1995, in Honolulu, Hawaii. DKI APCSS addresses regional and global security issues, inviting military and civilian representatives of the United States and Asia-Pacific nations to its comprehensive program of executive education and workshops, both in Hawaii and throughout the Indo-Pacific region.

The Center supports the U.S. Indo-Pacific Command's objective of developing professional and personal ties among national security establishments throughout the region. With a non-warfighting mission, the Center focuses on a multilateral and multi-dimensional approach to defining and addressing regional security issues and concerns. The most beneficial result is building relationships of trust and confidence among future leaders and decision-makers within the region.

DKI APCSS provides a focal point where national officials, decision makers and policy makers can gather to exchange ideas, explore pressing issues and achieve a greater understanding of the challenges that shape the security environment of the Indo-Pacific region. As well, the Center gives attention to the increasingly complex interrelationships of military, economic, political and diplomatic policies relevant to regional security issues through its three academic components: executive education, workshops and research and publications efforts.

Vision A free, prosperous Indo-Pacific promoting collaborative, inclusive security.

Mission DKI APCSS builds resilient capacity, shared understanding, and networked relationships among civilian and military practitioners and institutions to advance a free and open Indo-Pacific.

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Daniel K. Inouye

Asia-Pacific Center for

Senior Security Studies Course

Bangsaen, Chonburi

November 18-22, 2019

(as of 11 October 2019)



Strategic Studies Center,
National Defence Studies
Institute

Background

Pursuant to guidance from the Chief of Defence, Thailand, the Strategic Studies Center (SSC), National Defence Studies Institute, and the Daniel K. Inouye Asia-Pacific Center for Security Studies (DKI APCSS), are partnering to conduct the inaugural Senior Security Studies Course focused on strategic thinking and context setting, traditional, non-traditional and emerging security issues, and the implications for Thailand.

Course Description / Methodology

This is an intensive, one-week program for senior Thai security sector leaders on the upward track for positions of significant national and international responsibility. The course will look at a comprehensive array of emergent and over-the-horizon security issues such as: terrorism, environmental degradation, geopolitical competition, cyber threats, and regional governance. The course will also consider geo-strategic issues such as power shifts among nations as part of the context in which broader security concerns play out. Senior Participants will utilize strategic thinking and consider cooperative interagency responses to transnational security scenarios during an interactive exercise. The program is based on the broad notion that national and regional security is significantly enhanced by collaborative efforts at monitoring, preventing, and preparing for any transnational security threat.

The curriculum emphasizes the impact of change in the region, as well as capacities to manage change -- leader and institutional. The course integrates a challenging program of interactive presentations and dialogue, together with opportunities to specifically consider the implications for Thailand and recommend practical, actionable responses.

The course typically caters to senior executives from varied ministries and organizations throughout the government of Thailand, as well as officials from non-governmental, regional and international organizations with security-related portfolios. Typical peer level ranks include ambassador/deputy minister, flag-general rank military officers, and regional directors. This unique education and networking opportunity mostly benefits senior leaders whose responsibilities require influencing or making decisions within multilateral, multinational, and whole-of-government forums.

Course Outcomes

- Participants with broadened perspectives on, and deepened understanding of, contemporary and future, domestic and regional, security challenges and opportunities.
- Participant-developed initial thoughts on areas for enhanced Government of Thailand and Royal Thai Armed Forces focus.
- A networked cohort of participants with shared understanding of each other's organizations and plans.
- A foundation for SSC to continue developing its role as a premier host and facilitator for executive education in support of Royal Thai Armed Forces and Government of Thailand priorities.

DAY 1: MONDAY, 18 NOVEMBER 2019
REGISTRATION, OPENING CEREMONY, STRATEGIC THINKING AND MESSAGING
(DRESS: UNIFORM OR BUSINESS ATTIRE FOR MORNING SESSIONS;
AFTER LUNCH ATTIRE WILL BE BUSINESS CASUAL)

TIME	EVENT	LOCATION
0700-0745	Breakfast	CSS Location
0800-0900	Participant Registration	CSS Location
0900-0945	Opening ceremony <i>Opening Remarks: AVM Poomjai Leksuntarakorn, Director, SSC</i> <i>Opening Remarks: RADM (Ret) Pete Gumataotao, Director, APCSS</i> <i>Keynote Speech: Gen. Boonsrang Niumpradit, Former Chief of Defence, Royal Thai Armed Forces</i>	CSS Location
0945-1015	Group Photo and Refreshment Break	CSS Location
1015-1100	Staff and Participant Introductions Course Overview Interactive Polling Session: Exploring Our Starting Positions <i>Gp.Capt. Chaiya Okdaeng, Director of Strategic and Security Research Studies Division</i> <i>Dr. Al Oehlers, Professor, DKI APCSS</i>	CSS Location
1100-1200	Strategic Thinking and Messaging in Complex Security Environments <i>Dr. J. Scott Hauger, Professor, DKI APCSS</i> <i>Ms. Mary Markovinovic, Public Affairs Chief, DKI APCSS</i>	CSS Location
1200-1300	Lunch	CSS Location
1300-1530	Exercise: Strategic Thinking and Messaging in Complex Security Environments <i>Gen. Jumphon Chalerytoy, NDU Think Tank</i> <i>Dr. J. Scott Hauger, Professor, DKI APCSS</i> <i>Ms. Mary Markovinovic, Public Affairs Chief, DKI APCSS</i>	CSS Location
1300 – 1315	- Exercise and scenario introduction.	
1315 – 1345	- Identify the problem and select a systems' approach for its assessment. (Note: Domain mapping or actor-network diagrams can provide an accessible approach)	
1345 – 1415	- Discuss 2 or 3 possible scenarios for the system over time through impact + 1 week.	
1415 – 1445	- Assess opportunities and select a scenario to manage the system to achieve your intended outcome.	
1445 – 1515	- Based on your assessment, develop answers to the P.M.'s questions. Select a task force member to brief the P.M. and another to draft the press statement.	
1515 – 1530	- Prepare a briefing of your findings for the P.M. that addresses his 3 questions. Prepare a draft press statement. (Keep your briefing to 5 minutes).	

TIME	EVENT	LOCATION
1530 – 1600	- Breakout groups brief the P.M. and present their press statement. Q & A, and discussion.	
1600-1700	Icebreaker Event	CSS Location
1700-1705	Administrative Announcements - <i>Gp.Capt. Chaiya Okdaeng</i>	CSS Location
1705	Evening at Leisure	
1900 – 2000	Optional Seminar Discussion <i>Speaker TBD</i>	CSS Location

DAY 2: TUESDAY, 19 NOVEMBER 2019

**THEME: TRADITIONAL SECURITY ISSUES - GEOPOLITICAL DYNAMICS AND STRATEGIC
COMPETITION, REGIONAL ARCHITECTURE, AND THE INFORMATION DOMAIN**

(DRESS: BUSINESS CASUAL)

TIME	EVENT	LOCATION
0700-0745	Breakfast	CSS Location
0800-0805	Course Flow & Administrative Announcements <i>Gp.Capt. Chaiya Okdaeng, Course Manager</i>	CSS Location
0805-0815	Director's Comments <i>AVM Poomjai Leksuntarakorn, Director, SSC</i>	CSS Location
0815-0915	The Geopolitical Landscape and Strategic Competition <i>Dr. Sungmin Cho, Associate Professor, DKI APCSS</i>	CSS Location
0915-1015	The Regional Security Architecture <i>Dr. John Hemmings, Professor, DKI APCSS</i>	CSS Location
1015-1045	Refreshment Break	CSS Location
1045-1145	Strategic Competition in the Information Operations Environment <i>Ms. Mary Markovinovic, Public Affairs Chief, DKI APCSS</i>	CSS Location
1145-1200	Introduction to Breakout Discussions <i>Gp.Capt. Chaiya Okdaeng, Director of Strategic and Security Research Studies Division Dr. Al Oehlers, Professor, DKI APCSS</i>	
1200-1300	Lunch	CSS Location
1300-1500	Facilitated breakout discussion and suggestions for Thailand's national security and future senior executive education <i>Facilitators: Gen. Jumphon Chalerytoy / DKI APCSS Name Gen. Jerdwut Kraprayoon / DKI APCSS Name Lt.Gen. Noppadol Mungkalathon/ DKI APCSS Name</i>	CSS Location CSS Location CSS Location
1500-1530	Refreshment Break	CSS Location
1530-1700	Brief-backs by breakout groups, discussion and synthesis of recommendations for Chief of Defence briefing <i>Facilitators: Gp.Capt. Chaiya Okdaeng / DKI APCSS Name</i>	CSS Location
1700	Evening at Leisure	
1900 – 2000	Optional Seminar Discussion <i>Speaker TBD</i>	CSS Location

DAY 3: WEDNESDAY, 20 NOVEMBER 2019

**THEME: NON-TRADITIONAL SECURITY ISSUES – TRANSNATIONAL ORGANIZED CRIME,
CYBER SECURITY, AND FAKE NEWS AND DISINFORMATION CAMPAIGNS**

(DRESS: BUSINESS CASUAL)

TIME	EVENT	LOCATION
0700-0745	Breakfast	CSS Location
0800-0805	Course Flow & Administrative Announcements <i>Gp.Capt. Chaiya Okdaeng, Course Manager</i>	CSS Location
0805-0815	Director's Comments <i>AVM Poomjai Leksuntarakorn, Director, SSC</i>	CSS Location
0815-0915	Transnational Organized Crime <i>Mr. Lumpy Lumbaca, Associate Professor, DKI APCSS</i>	CSS Location
0915-1015	Cyber Security <i>Dr. Virginia Watson, Professor, DKI APCSS</i>	CSS Location
1015-1045	Refreshment Break	CSS Location
1045-1145	Deep Fake Videos <i>Ms. Mary Markovinovic, Public Affairs Chief, DKI APCSS</i>	CSS Location
1145-1200	Introduction to Breakout Discussions <i>Gp.Capt. Chaiya Okdaeng, Director of Strategic and Security Research Studies Division Dr. Al Oehlers, Professor, DKI APCSS</i>	CSS Location
1200-1300	Lunch	CSS Location
1300-1430	Facilitated breakout discussion and suggestions for Thailand's national security and future senior executive education <i>Facilitators: Gen. Jumphon Chalerytoy / DKI APCSS Name Gen. Jerdwut Kraprayoon / DKI APCSS Name Lt.Gen. Noppadol Mungkalathon/ DKI APCSS Name</i>	CSS Location CSS Location CSS Location
1430-1500	Refreshment Break	CSS Location
1500-1600	Brief-backs by breakout groups, discussion and synthesis of recommendations for Chief of Defence briefing <i>Facilitators: Gp.Capt. Chaiya Okdaeng / DKI APCSS Name</i>	CSS Location
1600~	Teambuilding Activities	
1800	Evening at Leisure	

DAY 4: THURSDAY, 21 NOVEMBER 2019
THEME: EMERGING SECURITY ISSUES - ENVIRONMENTAL SECURITY,
SCIENCE, TECHNOLOGY AND SECURITY, AND
PREPARING OUR LEADERS OF THE FUTURE
(DRESS: BUSINESS CASUAL)

TIME	EVENT	LOCATION
0700-0745	Breakfast	CSS Location
0800-0805	Course Flow & Administrative Announcements <i>Gp.Capt. Chaiya Okdaeng, Course Manager</i>	CSS Location
0805-0815	Director's Comments <i>AVM Poomjai Leksuntarakorn, Director, SSC</i>	CSS Location
0815-0915	Environmental Security and Resource Scarcity <i>Dr. J. Scott Hauger, Professor, DKI APCSS</i>	CSS Location
0915-1015	Science, Technology and Security <i>Dr. Virginia Watson, Professor, DKI APCSS</i>	CSS Location
1015-1045	Refreshment Break	CSS Location
1045-1145	Preparing our Leaders of the Future: Executive Education in the 21st Century Complex Security Environment <i>Mr. Carleton Cramer, Dean College of Security Studies, DKI APCSS</i> <i>Ms. Charithie Joaquin, Job Title, TBC</i> <i>Gen. Jerdwut Kraprayoon RTARF Speaker TBD, Job Title, SSC</i>	CSS Location
1145-1200	Introduction to Breakout Discussions <i>Gp.Capt. Chaiya Okdaeng, Director of Strategic and Security Research Studies Division</i> <i>Dr. Al Oehlers, Professor, DKI APCSS</i>	CSS Location
1200-1300	Lunch	CSS Location
1300-1415	Facilitated breakout discussion and suggestions for Thailand's national security and future senior executive education <i>Facilitators:</i> <i>Gen. Jumphon Chalerytoy / DKI APCSS Name</i> <i>Gen. Jerdwut Kraprayoon / DKI APCSS Name</i> <i>Lt.Gen. Noppadol Mungkalathon / DKI APCSS Name</i>	CSS Location CSS Location CSS Location
1415-1430	Refreshment Break	CSS Location
1430-1530	Brief-backs by breakout groups, discussion and synthesis of recommendations for Chief of Defence briefing <i>Facilitators:</i> <i>Gp.Capt. Chaiya Okdaeng / DKI APCSS Name</i>	CSS Location
1530-1545	Refreshment Break	CSS Location

TIME	EVENT	LOCATION
1545-1700	Today's Complex Security Environment and Strategy Development <i>Gen. Jerdwut Kraprayoon RTARF keynote Speaker</i> <i>Senior U.S. keynote speaker: Name, Job Title</i>	CSS Location
1700	Evening at Leisure	
1900 – 2000	Optional Seminar Discussion <i>Speaker TBD</i>	CSS Location

DAY 5: FRIDAY, 22 NOVEMBER 2019
THEME: GROUP PRESENTATION, CLOSING CEREMONY, ALUMNI EVENT
*(DRESS: UNIFORM OR BUSINESS ATTIRE FOR CLOSING CEREMONY.
 BUSINESS CASUAL FOR ALUMNI EVENT.)*

TIME	EVENT	LOCATION
0700-0745	Breakfast	CSS Location
0800-0815	Director's Welcome <i>AVM Poomjai Leksuntarakorn, Director, SSC</i>	CSS Location
0815-0830	Group Presentation Introduction <i>Gp.Capt. Chaiya Okdaeng, Course Manager</i>	CSS Location
0830-0930	Group Presentation to Chief of Defence (or representative) on Thailand's National Security and Future Senior Executive Education, Q and A, and discussion. <i>Facilitator: Gp.Capt. Chaiya Okdaeng, Director of Strategic and Security Research Studies Division</i>	CSS Location
0930-1000	Refreshment Break	CSS Location
1000-1100	Closing ceremony <i>Closing Remarks: AVM Poomjai Leksuntarakorn, Director, SSC Closing Remarks: Mr. Carleton Cramer, Dean, DKI APCSS Presentation of Certificates Group Photo Keynote Speech: Chief of Defence (or rep), Royal Thai Armed Forces Moderator: Gp.Capt. Chaiya Okdaeng, Director of Strategic and Security Research Studies Division</i>	CSS Location
1100-1200	Lunch	CSS Location
1200	Participants Depart Bangsaen for Bangkok	CSS Location
1800-2000	SSC / DKI APCSS Alumni Event	Location in BKK



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Asia-Pacific Center for
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Senior Security Studies Course

Bangsaen, Chonburi

November 18-22, 2019



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TOPIC OVERVIEW

STRATEGIC THINKING & MESSAGING IN COMPLEX SECURITY ENVIRONMENTS

DR. SCOTT HAUGER AND PROF. MARY MARKOVINOVIC

Overview

Loizos Heracleous states that “The purpose of strategic thinking is to discover novel, imaginative strategies which can re-write the rules of the competitive game; and to envision potential futures significantly different from the present.” This presentation attempts to address that challenge head-on, and to provide some guidance, based on the ideas of Jeanne Liedtka, on how to practice strategic thinking and apply it to issues of crisis management. A systems’ perspective is essential to strategic thinking as is a focus on intent (or framing a problem). Other elements of strategic thinking are thinking in time, linking past to present to future outcomes; hypothesis testing (through scenario generation); and intelligent opportunism (based on reiterative analysis and situational awareness). In addition, we’ll look at strategic and crisis communications and the importance of being able to put thoughts into the right words for the right audience.

Objectives

- Understand the concept of strategic thinking and its relation to strategic planning.
- Understand the dependence of strategic thinking on systems’ analysis and framing.
- Understand the importance of putting strategic thoughts into strategic communication.
- Evaluate the applicability of teaching strategic thinking in senior security studies.
- (Exercise) apply strategic thinking to a crisis management scenario.

Recommended Readings

A classic article on strategic thinking: Liedtka, Jeanne M. 1998. “Strategic Thinking: Can It Be Taught?” in *Long Range Planning* 31:1, pp. 120-129. Available at:
http://www.egovernment.tas.gov.au/_data/assets/pdf_file/0012/121125/6Liedtka.PDF

General popular science background for the exercise scenario: Ivan Couronne. 2019. “What if an asteroid was about to hit Earth? Scientists ponder question,” *Phys.org* (April 30). Available at:
https://phys.org/news/2019-04-asteroid-earth-scientists-ponder.html?utm_source=TrendMD&utm_medium=cpc&utm_campaign=Phys.org_TrendMD_1

A scientific assessment for those wanting detailed information related to the exercise scenario: Clemens M. Rumpf, Hugh G. Lewis and Peter M. Atkinson. 2017. “Asteroid impact effects and their immediate hazards for human populations,” in *Geophysical Research Letters*, 44,3433-3449. Available at: <https://agupubs.onlinelibrary.wiley.com/doi/pdf/10.1002/2017GL073191>

Useful resources for strategic messaging:
Center for Disease Control Risk and Crisis Communications
<https://emergency.cdc.gov/cerc/manual/index.asp>

CERC Messages and Audiences: https://emergency.cdc.gov/cerc/ppt/CERC_Messages_and_Audiences.pdf

**Strategic Thinking Exercise:
Minimize the Impact of a Projected Asteroid Strike¹
Senior Security Studies Course
18 November 2019
Exercise Scenario**

History

An asteroid about 50 meters in diameter was discovered two weeks ago by astronomers in the U.S. and Japan. The first estimate of the probability of the asteroid hitting earth was low. But today, as more tracking data was analyzed, astronomers are predicting the asteroid will **definitely** hit earth. It is predicted the impact will affect Thailand and neighboring countries, two weeks from today. This news has broken and is being reported by the national and international news media.

The precise impacts of the meteor strike are impossible to predict. In the worst case, scientists estimate that a 50 meter diameter asteroid will impact with an energy equivalent to a 10 Megaton explosion. They predict the event will cause total destruction over a radius of five kilometers from the impact point. All wood-frame buildings within 10 km of the event will collapse. Wind, over pressure and thermal radiation will cause human casualties as well. If the asteroid impact is at sea, scientists project that a tsunami up to 15 meters high will impact a large area and flood many coastal areas.

The projected location of the possible impact point extends from west of Dawei, Myanmar, across Ratchaburi and Phetchaburi provinces, and across the Bay of Bangkok to the Gulf of Thailand (see map below).

Tasking

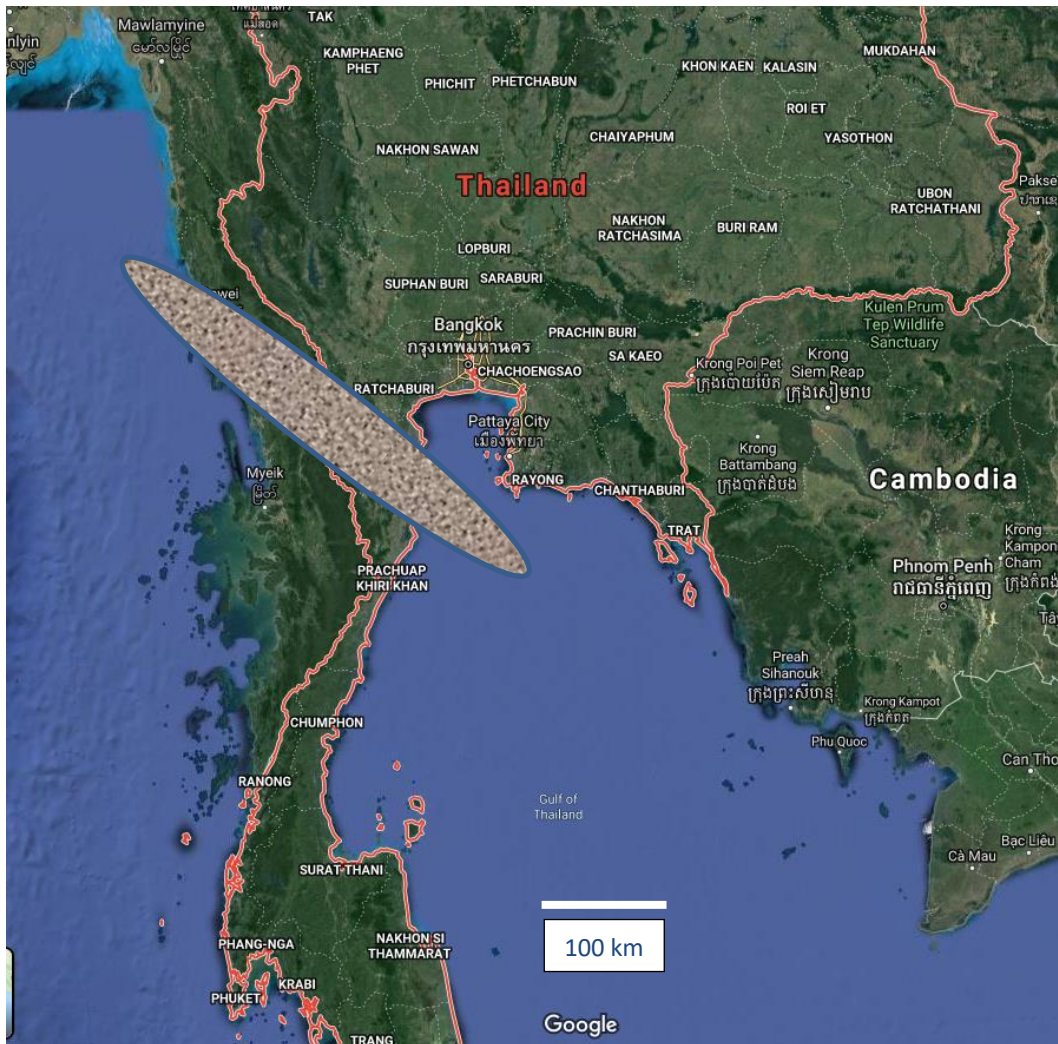
Based on the latest information, the Prime Minister has called for an emergency task force (ETF) to convene at 13:00 hours. The mission of the ETF is to provide initial advice to the Prime Minister. Specifically, the ETF has been tasked to answer three questions:

- What should be the **goals** of a strategic plan to respond to the threat?
- **Who** (what agencies, ministries and stakeholders) should be part of the Task Force?
- **Which** agency should be the **communications** lead and how will they share information?

The Prime Minister has asked for your answers to these questions by 15:00, this afternoon. He has also requested the ETF to provide a draft press statement regarding the situation for public release.

¹ This exercise scenario was adapted and abridged from NASA JPL Center for Near Earth Object Studies. 2013. "Tabletop Exercise for Short Term Warning Near Earth Object Impact Event." Report available online at: <https://cneos.jpl.nasa.gov/pd/cs/ttx13/>. Also informed by C. Rumpf et al. 2017. "Asteroid impact effects and their immediate hazards for human populations," in *Geophysical Research Letters*, 44,3433-3449.

Figure: Possible Impact Locations – Two Weeks Out



Recommended Timeline for the Emergency Task Force

- 1300 – 1315 Exercise and scenario introduction.
- 1315 – 1345 Identify the problem and select a systems’ approach for its assessment.
(Note: Domain mapping or actor-network diagrams can provide an accessible approach)
- 1345 – 1415 Discuss 2 or 3 possible scenarios for the system over time through impact + 1 week.
- 1415 – 1445 Assess opportunities and select a scenario to manage the system to achieve your intended outcome.
- 1445 – 1515 Based on your assessment, develop answers to the P.M’s questions.
Select a task force member to brief the P.M. and another to draft the press statement.
- 1515 – 1530 Prepare a briefing of your findings for the Prime Minister that addresses his 3 questions.
Prepare a draft press statement. (Keep your briefing to 5 minutes).
- 1530 – 1600 Breakout groups brief the P.M. and present their press statement.
Q & A, and discussion.



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TOPIC OVERVIEW

GEOPOLITICS AND STRATEGIC COMPETITION

DR. SUNGMIN CHO

Overview

The U.S. National Security Strategy of 2017 acknowledged what many observers of the international system had been saying for several years: Great power competition has returned. At the heart of this resurgence in classical great power competition is the simple fact that the rise of China, India, and others, has replaced the unipolar moment with a more multipolar age. This is very evident in each of the four sub-regions of the Indo-Pacific, where China's economic power and infrastructure development have played a significant geostrategic role. This presentation will highlight selected aspects of these changes. It will also consider if these aspects of strategic competition will necessarily lead to a "Thucydides Trap" between the U.S. and the PRC.

Objectives

- Improved understanding of the return of geopolitics in the 21st century.
- Enhanced appreciation of the nature of strategic competition between US and China.
- Insights into the future trend of geopolitics in the Indo-Pacific region.

Recommended Readings

Aaron Friedberg, "Ripe for Rivalry: Prospects for Peace in a Multipolar Asia", *International Security*, Vol. 18, No.3 (Winter 1993/4), pp.5-33.

Walter Russell Mead, "The Return of Geopolitics," *Foreign Affairs* (May/June 2014).

Uri Friedman, "The New Concept Everyone in Washington is Talking About", *The Atlantic*, Aug 6, 2019.



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TOPIC OVERVIEW

SECURITY ARCHITECTURE IN THE INDO-PACIFIC

DR. J. HEMMINGS

Overview

This presentation provides an overview of the current state of the security architecture in the Indo-Pacific region. It first seeks to define the concept of “security architecture”, by looking at the origins of the term in European security debates and its transmission to Asian debates in the mid-2000s. There will also be a brief discussion on why there is no “NATO-in-Asia”. The presentation will analyse three possible sources of security architecture in an Indo-Pacific context: the U.S. and its evolving alliance system, the multiple ASEAN and ASEAN-affiliated organizations, such as ASEAN +3, ARF, ADMM, ADMM-PLUS, and EAS, and China and its newer institutions, such as the SCO, the AIIB, and RCEP.

Objectives

- An understanding of the concept of security architecture in an Indo-Pacific context.
- An understanding of why the U.S. chose to create a bilateral – rather than multilateral – alliance system in the Asia Pacific region.
- An understanding of the role that ASEAN-affiliated institutions play in security architecture.
- An overview of Chinese efforts at institution-building and a discussion of whether or not these can be seen as efforts to build security architecture.

Recommended Readings

Can China Reshape Asia’s Security Architecture? *The Diplomat*, <https://thediplomat.com/2016/10/can-china-shape-asias-security-architecture/>

Five factors will decide the survival of the US-led alliances system, *The Interpreter*, <https://www.lowyinstitute.org/the-interpreter/five-factors-will-decide-survival-us-led-alliance-system>

Building Institutional Coherence in Asia’s Security Architecture, RSIS (2009), full report, found at: https://www.rsis.edu.sg/wp-content/uploads/2014/07/ER091125_Regional_Security_Cooperation_2009.pdf



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TOPIC OVERVIEW

STRATEGIC COMPETITION IN THE INFORMATION OPERATIONS ENVIRONMENT

MARY MARKOVINOVIC

Overview

In this presentation, we'll review how mis-information and dis-information (also known as Fake News) has evolved. Terrorist groups to State-sponsored information operations campaigns are using these methods as part of their overall strategies and information operations programs. How the world is fighting back against these campaigns will also be reviewed. We'll also look at other emerging trends such as "astroturfing" and "Impersonation" as time allows.

Objectives

- Understand how and why information is being manipulated online.
- Understand how to identify and respond to state-sponsored information operations campaigns.
- Understand emerging trends on social media which impact leaders at all levels.

Recommended Readings

Book: "#LikeWar" by P. W. Singer and Emerson T. Brooking (book available in the DKI APCSS Library)
<https://www.likewarbook.com/>

Report: Trends and Developments in the Malicious Use of Social Media
<https://stratcomcoe.org/trends-and-developments-malicious-use-social-media>



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TOPIC OVERVIEW

TRANSNATIONAL ORGANIZED CRIME (TOC) IN THE INDO-PACIFIC

ASSOCIATE PROFESSOR LUMPY LUMBACA, US ARMY (RETIRED)

Overview

While Transnational Organized Crime (TOC) affects every country in the world, the nature of illicit markets and their impact differs from region to region. The Indo-Pacific is no exception, and while it is prosperous – in part due to expanding social exchanges, trade and investment in infrastructure – the region is also challenged by increasingly aggressive organized crime networks and syndicates. Like any business, transnational criminal enterprises seek out conditions that are good for the bottom line, and in the Indo-Pacific conditions have been favourable. The fact is that while law enforcement and border management in the region are robust in some jurisdictions, they are effectively not functioning in others, and limited cross-border cooperation and corruption are serious problems. Key enabling factors for TOC are unfortunately in-place. This presentation will identify and candidly present challenges, and facilitate discussion on potential responses as we look ahead.

Objectives

- Highlight the spectrum of TOC in the Indo-Pacific while focusing on several of the more harmful and effective criminal enterprises.
- Understand the nexus between various criminal, terrorist, and even government organizations.
- Examine areas for greater cooperation in countering TOC in the region.

Recommended Readings

United Nations Office on Drugs and Crime (UNODC) (2019), *Transnational Organized Crime in Southeast Asia: Evolution, Growth, and Impact*.

https://www.unodc.org/documents/southeastasiaandpacific//Publications/2019/SEA_TOCTA_2019_web.pdf

US Department of State (2019), *Trafficking in Persons Report*. <https://www.state.gov/wp-content/uploads/2019/06/2019-Trafficking-in-Persons-Report.pdf>



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TOPIC OVERVIEW

CYBER SECURITY IN THE INDO-PACIFIC

VIRGINIA B. WATSON, PH.D.

Overview

While the Fourth Industrial Revolution technologies are providing tremendous benefits towards improving state and societal welfare, they are also giving rise to new security challenges and exacerbating existing ones. In the Indo-Pacific, rapid and unregulated developments in the cyber domain are generating not only new insecurities but are also creating a strategic space for cooperation. This presentation will explore the cyber technology-security nexus within the geopolitical context of the Indo-Pacific, examining both the nature of the threats and opportunities for regional cooperation.

Objectives

- Understand the role of cybersecurity in the geopolitical dynamics of the Indo-Pacific region.
- Identify the risks and challenges in the cyber domain.
- Examine possible modalities for enhancing cyber cooperation in the region.

Recommended Readings

Bob Seely MPE, Dr. Peter Varnish OBE and Dr. John Hemmings, “Defending our Data: Huawei, 5G, and the Five Eyes”, Henry Jackson Society, May 2019.

<https://henryjacksonsociety.org/wp-content/uploads/2019/05/HJS-Huawei-Report-A1.pdf>

Christopher Walker and Jessica Ludwig, “Sharp Power: Rising Authoritarian Influence”, National Endowment for Democracy, December 2017.

<https://www.ned.org/sharp-power-rising-authoritarian-influence-forum-report/>

Suggested Resources

Sanger, David E. *The Perfect Weapon: War, Sabotage, and Fear in the Cyber Age*. Crown: 2018.

Singer, P.W. and Emerson T. Brooking. *LikeWar: The Weaponization of Social Media*. Eamon Dolan/Houghton Mifflin Harcourt: 2018.



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TOPIC OVERVIEW

DEEP FAKE VIDEOS

MARY MARKOVINOVIC

Overview

Hollywood has been manipulating video for decades but now this technology has been upgraded and made more accessible and affordable for anyone to manipulate media with a single photo or 3 seconds of audio. This presentation looks at the creators and technology behind Deep Fake videos and how it can potentially undermine security. We'll look at samples of these videos as well as actions being taken by whole of society to better identify and fight back against these videos.

Objectives

- Understand this new emerging trend in this artificial intelligence application and how it is being used for both good and bad.
- Understand how to identify fake videos and what is being done to stop it's malicious use.
- Understand how these fake videos can impact security in the region and what can be done about it.

Recommended Readings

Brookings' Dr. Alina Polyakova testimony before the House Appropriations Committee: July 10, 2019
<https://docs.house.gov/meetings/AP/AP04/20190710/109748/HHRG-116-AP04-Wstate-PolyakovaA-20190710.pdf>

"Countering Malicious Use of Social Media" by Jakob Willemo. Produced by the NATO StratCom Center of Excellence. <https://www.stratcomcoe.org/trends-and-developments-malicious-use-social-media>

"Hostile Social Manipulation: Present Realities and Emerging Trends" by Michael J. Mazarr +
https://www.rand.org/pubs/research_reports/RR2713.html



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TOPIC OVERVIEW

ENVIRONMENTAL SECURITY AND RESOURCE SCARCITY

DR. SCOTT HAUGER

Overview

Global trends in population growth and increasing economic prosperity will place increasing demands on natural resources for the foreseeable future. Among these are the essential resources of food, water, and energy that shape people's survival and quality of life. Current and projected demands for these essential resources lead to complex problems at what has been called *the food-water-energy nexus*. As a consequence, issues of food, of water, and of energy can no longer be addressed in isolation because of that inter-connectivity. Actions we take to address one resource will likely have unintended consequences for the others. Climate change will be a "threat multiplier," potentially reducing the supply of natural resources at a time of increasing demand.

Ensuring access to essential natural resources is a key aspect of human security with strong implications for national and regional security. The United Nations Environmental Program, in 2015, asserted that, "Resolving natural resource conflicts is a defining peace and security challenge of the 21st century. The geopolitical stakes are high as the survival or authority of states may depend on securing access to key natural resources." It is thus in the interests of the security sector to attend to these non-traditional security issues and to establish security governance that can anticipate, innovate, and cooperate to manage potential conflict over resources.

Objectives

- Understand global trends affecting environmental security
- Understand the complex interactions at the food-water-energy nexus
- Analyze the implications of resource complexity and trends for security governance

Recommended Readings

Sherri Goodman. 2012. "What is Environmental Security?" in *Yale Insights* (April 15)(5 pp.). Available at: <http://insights.som.yale.edu/insights/what-is-environmental-security>

For those interested in the scientific context of resource supply, centered on climate change:

Intergovernmental Panel on Climate Change. 2019. "Climate Change and Land. Summary for Policy Makers." (7 Aug). and "The Ocean and Cryosphere in a Changing Climate. Summary for Policy Makers." (24 Sep) Available at: <https://www.ipcc.ch/reports/>



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TOPIC OVERVIEW

TECHNOLOGY AND SECURITY IN THE INDO-PACIFIC

DR. VIRGINIA B. WATSON, PH.D.

Overview

Technological progress is closely tied to a nation's geostrategic conception of their world. In the Indo-Pacific region, the attributes of the technology-security nexus reflect, influence, and may predict the geopolitical shape of the region. A nation's technological status determines or mirrors its position in the region's security order. Technological leadership and the creation of technological competitive advantage are therefore essential attributes of any nation aspiring to geopolitical dominance. This demands a whole-of-nation transformational thinking by that nation's leadership and its people. At the same time, technological developments pose unique opportunities, risks and challenges to national and regional security. How nations understand security and how they reconcile this with their technological choices present us with a complex patchwork of security trajectories in the region, full of surprises, disruptions, and disorder.

Objectives

- Understand the role of technology in the geopolitical dynamics of the Indo-Pacific region.
- Identify the security risks and challenges associated with emerging technologies.
- Examine possible modalities for enhancing technology cooperation in the region.

Recommended Readings

Gholz, Eugene. "Emerging Technologies' Potential to Change the Balance of Power in Asia," in Bitzinger, R. and H. Vlavianos, eds. Emerging Critical Technologies and Security in the Asia-Pacific. Palgrave-Macmillan: 2016.

<https://www.palgrave.com/br/book/9781137461278>

Watson, Virginia S. "Offsetting the Impact of Emerging Critical Technologies," in Bitzinger, R. and H. Vlavianos, eds. Emerging Critical Technologies and Security in the Asia-Pacific. Palgrave-Macmillan: 2016.

<https://www.palgrave.com/br/book/9781137461278>

http://www3.weforum.org/docs/WEF_Agile%20Governance_for_Creative_Economy_4.0_Report.pdf

http://www3.weforum.org/docs/WEF_Top_10_Emerging_Technologies_2019_Report.pdf

Suggested Resources

<https://www.globalinnovationindex.org/userfiles/file/reportpdf/GII2019-keyfindings-Web.pdf>

<http://www3.weforum.org/docs/GCR2018/05FullReport/TheGlobalCompetitivenessReport2018.pdf>



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TOPIC OVERVIEW

PREPARING OUR LEADERS OF THE FUTURE:

EXECUTIVE EDUCATION IN THE 21ST CENTURY COMPLEX SECURITY ENVIRONMENT

MR. CARLETON CRAMER, DEAN COLLEGE OF SECURITY STUDIES, DKI APCSS

MS. CHARITHIE JOAQUIN, NATIONAL DEFENSE COLLEGE OF THE PHILIPPINES

SSC SPEAKER TBD

Overview

The preparation of future leaders must be one of the most crucial tasks confronting any nation. Yet, for many, this is often approached in a surprisingly unplanned way. While it is true much of the knowledge, skills and judgement required of our future leaders is acquired “on-the-job”, there is also a significant opportunity for a more thoughtful process through educational pathways to assist in this developmental process. Various models of Professional Military Education and their civilian equivalents in the Civil Service around the world offer examples of such thinking. As the 21st Century unfolds, however, it is becoming increasingly apparent even these best efforts at preparing our future leaders are falling short. Highly complex and converging security trends are rendering the decision space for leaders far more challenging, while the rapidity of developments in an information-saturated environment greatly reduces available time for considered decision-making. In this context of time-constrained uncertainty, ambiguity, complexity and imperfect information, how might we design executive education to better prepare our leaders of the future? What essential aspects of knowledge, skills and judgement, might we seek to emphasize? Drawing on the cross national experiences of DKI APCSS, SSC and the National Defense College of the Philippines, this panel will offer insights into these and other related questions of vital importance to the futures of our nations.

Objectives

- Understand the broad range of 21st Century security trends and developments making executive education for future leaders increasingly challenging.
- Gain an improved appreciation of the most relevant aspects of executive education that might be emphasized.
- Develop insights into the importance of continuing executive education for leadership development in Thailand, how it might be structured and planned for, and the investments necessary in terms of time and resources.

Recommended Readings

TBD

THE DANIEL K. INOUE ASIA-PACIFIC CENTER FOR SECURITY STUDIES TEAM

1. RADM (USN, ret) Pete Gumataotao, Director APCSS
2. CAPT (USN, ret) Carleton Cramer, Dean, College of Security Studies
3. Dr. Alfred Oehlers, Professor
4. Dr. Virginia Watson, Professor
5. Dr. Scott Hauger, Professor
6. Dr. Sungmin Cho, Associate Professor
7. Dr. John Hemmings, Professor
8. Mr. Jeremiah Lumbaca, Associate Professor
9. Mr. Darren Adams, Regional Engagements
10. Ms. Mary Markovinovic, Public Affairs Chief.
11. (ยังไม่ส่งรายชื่อ)

THE STRATEGIC STUDIES CENTER TEAM

1. Gen. Jumphon Chalerytoy, NDU Think tank
2. Gen. Jerdwut Kraprayoon, RATRF
3. Lt.Gen. Noppadol Mungkalathon, NDC
4. AVM. Poomjai Leksuntarakorn, Director, SSC
5. Col. Buntoon Bamrerraj, Deputy Director, SSC
6. Gp.Capt. Chaiya Okdaeng, Director of Strategic and Security Research Studies Division
7. Gp.Capt. Chularat Pethcharawises, Deputy Director of Strategic and Security Research Studies Division

List of Participants

1. พ.อ. วิระ เขียวธโนปจัย (ขว.ทหาร)
2. น.อ. จเด็จ คุณะก้องกิจ (ศชบ.ทหาร)
3. น.อ. สุรสันต์ คงสิริ ร.น. (ยก.ทหาร)
4. พล.ต. ชิดชนก นุชฉายา (ยก.ทหาร)
5. พล.ต. กฤษณ์ จันทรมนิยม (นทพ.)
6. พ.อ. พรรณวัตร บุญชัย (ยก.ทหาร)
7. พ.อ. สมรรถปกรณ์ อินทรขาว (กร.ทหาร)
8. ผู้แทนจากศูนย์รักษาความปลอดภัย
9. ผู้แทนจากสถาบันวิชาการป้องกันประเทศ
10. ผู้แทนจากศูนย์ต่อต้านการก่อร้ายสากล
11. พล.อ.ณัฐพล บุญงาม (สมช.)
12. สำนักงานข่าวกรองแห่งชาติ
13. กระทรวงการต่างประเทศ (กรมอาเซียน)
14. กระทรวงดิจิทัลเพื่อเศรษฐกิจและสังคม (ศูนย์ต่อต้านข่าวปลอม (Fake News Center))
15. สำนักงานปลัดกระทรวงกลาโหม (สนผ.ภท.)
16. กรมยุทธศึกษาทหารบก
17. กรมยุทธศึกษาทหารเรือ
18. กรมยุทธศึกษาทหารอากาศ
19. สำนักงานตำรวจแห่งชาติ (ศูนย์ประสานงานป้องกันและปราบปรามอาชญากรรมข้ามชาติ)
20. พล.อ.ธิวา เพ็ญเชษฐา

LOCATION OF THE CENTER FOR STRATEGIC STUDIES ROYAL THAI ARMED FORCES IN
COMMEMORATION OF HM THE KING'S 80TH BIRTHDAY ANNIVERSARY (CSS)

