



# Senior Security Studies Course

November 18-22, 2019  
Chonburi, Thailand

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**Strategic Studies Center,  
National Defence Studies Institute**



# **Senior Security Studies Course**

November 18-22, 2019

Chonburi, Thailand

**Strategic Studies Center,  
National Defence Studies Institute**



## **Senior Security Studies Course (SSSC)**

November 18-22, 2019 at Bangsaen, Chonburi

By Strategic Studies Center National Defence Studies Institute  
and Daniel K. Inouye Asia-Pacific Center For Security Studies



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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 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  
Security Studies

## Senior Security Studies Course Bangsaen, Chonburi November 18-22, 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	2 <sup>nd</sup> floor Accommodation building
0800-0900	Participant Registration	Convention Hall
0900-0945	<p>Opening ceremony</p> <ul style="list-style-type: none"> <li>- <i>Opening Speech : Chief of Defence (or rep), Royal Thai Armed Forces</i></li> <li>- <i>Opening Remarks: AVM Poomjai Leksuntarakorn, Director, SSC</i></li> <li>- <i>Opening Remarks: RADM (Ret) Pete Gumataotao, Director, APCSS</i></li> <li>- <i>Keynote Speech: "Security in the coming 21 century" Gen. Boonsrang Niumpradit, Former Chief of Defence, Royal Thai Armed Forces</i></li> </ul>	main convention room
0945-1015	Group Photo and Refreshment Break	main convention room
1015-1100	<ul style="list-style-type: none"> <li>- Staff and Participant Introductions</li> <li>- Course Overview</li> <li>- Interactive Polling Session: Exploring Our Starting Positions</li> </ul> <p><i>Gp.Capt. Chaiya Okdaeng, Director of Strategic and Security Research Studies Division</i> <i>Dr. Al Oehlers, Professor, DKI APCSS</i></p>	plenary room
1100-1200	<p>Strategic Thinking and Messaging in Complex Security Environments</p> <p><i>Dr. J. Scott Hauger, Professor, DKI APCSS</i> <i>Ms. Mary Markovinovic, Public Affairs Chief, DKI APCSS</i></p>	plenary room
1200-1300	Lunch	2 <sup>nd</sup> floor Accommodation building

TIME	EVENT	LOCATION
1300 - 1530	Exercise: Strategic Thinking and Messaging in Complex Security Environments <i>Gen. Jumphon Chalerytoy, Member of the National Defence College Alumni Think Tank Foundation and Peace Network Foundation</i>	plenary room
1300 – 1315	<i>Dr. J. Scott Hauger, Professor, DKI APCSS</i>	
1315 – 1345	<i>Ms. Mary Markovinovic, Public Affairs Chief, DKI APCSS</i>	
1345 – 1415	- Exercise and scenario introduction.	
1415 – 1445	- Identify the problem and select a systems' approach for its assessment. (Note: Domain mapping or actor-network diagrams can provide an accessible approach)	
1445 – 1515	- Discuss 2 or 3 possible scenarios for the system over time through impact + 1 week.	
1515 – 1530	- Assess opportunities and select a scenario to manage the system to achieve your intended outcome.	
1530 – 1600	- 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. - 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). - Breakout groups brief the P.M. and present their press statement. Q & A, and discussion.	
1600-1700	Icebreaker Event	2 <sup>nd</sup> floor Accommodation building
1700-1705	Administrative Announcements - <i>Gp.Capt. Chaiya Okdaeng</i>	2 <sup>nd</sup> floor Accommodation building
1705	Evening at Leisure	
1900 – 2000	Optional Seminar Discussion "Emerging Counterterrorism Trends and Potential Implications for Thailand" Assoc. Prof. Lumpy Lumbaca	2 <sup>nd</sup> floor Accommodation building

**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	2 <sup>nd</sup> floor Accommodation building
0800-0805	Course Flow & Administrative Announcements <i>Gp.Capt. Chaiya Okdaeng, Course Manager</i>	plenary room
0805-0815	Director's Comments <i>AVM Poomjai Leksuntarakorn, Director, SSC</i>	plenary room
0815-0915	Geopolitics and Strategic Competition <i>Dr. Sungmin Cho, Associate Professor, DKI APCSS</i>	plenary room
0915-1015	The Regional Security Architecture in the Indo-Pacific <i>Dr. John Hemmings, Professor, DKI APCSS</i>	plenary room
1015-1045	Refreshment Break	
1045-1145	Strategic Competition in the Information Operations Environment <i>Ms. Mary Markovinovic, Public Affairs Chief, DKI APCSS</i>	plenary room
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>	plenary room
1200-1300	Lunch	2 <sup>nd</sup> floor Accommodation building
1300-1500	Facilitated breakout discussion and suggestions for Thailand's national security and future senior executive education <i>Facilitators:</i> - <i>Gen. Jumphon Chalerytoy / Assoc. Prof. Lumpy Lumbaca</i> - <i>Gen. Jerdwut Kraprayoon / Dr. Sungmin Cho</i> - <i>Lt.Gen. Noppadol Mungkalathon/ Dr. John Hemmings</i>	Seminar room 1  Seminar room 2 Seminar room 3

TIME	EVENT	LOCATION
1500-1530	Refreshment Break	
1530-1700	Brief-backs by breakout groups, discussion and synthesis of recommendations for Chief of Defence briefing <i>Facilitators:</i> <i>Gp.Capt. Chaiya Okdaeng / Mr. Carleton Cramer</i>	plenary room
1700	Evening at Leisure	
1900 – 2000	Optional Seminar Discussion “An Introduction to Artificial Intelligence and Security” - Dr. Virginia Watson, Professor	2 <sup>nd</sup> floor Accommodation building



**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	2 <sup>nd</sup> floor Accommodation building
0800-0805	Course Flow & Administrative Announcements <i>Gp.Capt. Chaiya Okdaeng, Course Manager</i>	plenary room
0805-0815	Director's Comments <i>AVM Poomjai Leksuntarakorn, Director, SSC</i>	plenary room
0815-0915	Transnational Organized Crime (TOC) in the Indo-Pacific <i>Mr. Lumpy Lumbaca, Associate Professor, DKI APCSS</i>	plenary room
0915-1015	Cyber Security in the Indo-Pacific <i>Dr. Virginia Watson, Professor, DKI APCSS</i>	plenary room
1015-1045	Refreshment Break	
1045-1145	Deep Fake Videos <i>Ms. Mary Markovinovic, Public Affairs Chief, DKI APCSS</i>	plenary room
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>	plenary room
1200-1300	Lunch	2 <sup>nd</sup> floor Accommodation building
1300-1430	Facilitated breakout discussion and suggestions for Thailand's national security and future senior executive education <i>Facilitators:</i> - <i>Gen. Jumphon Chalerytoy / Assoc. Prof. Lumpy Lumbaca</i> - <i>Gen. Jerdwut Kraprayoon / Dr. Sungmin Cho</i> - <i>Lt.Gen. Noppadol Mungkalathon / Dr. John Hemmings</i>	Seminar room 1 Seminar room 2 Seminar room 3
1430-1500	Refreshment Break	
1500-1600	Brief-backs by breakout groups, discussion and synthesis of recommendations for Chief of Defence briefing <i>Facilitators:</i> <i>Gp.Capt. Chaiya Okdaeng / Mr. Carleton Cramer</i>	plenary room
1630	Depart to Bangsaen beach	Bangsaen beach
1700-1900	Teambuilding Activities & Evening at Leisure	Bangsaen beach

**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	2 <sup>nd</sup> floor Accommodation building
0800-0805	Course Flow & Administrative Announcements <i>Gp.Capt. Chaiya Okdaeng, Course Manager</i>	plenary room
0805-0815	Director's Comments <i>AVM Poomjai Leksuntarakorn, Director, SSC</i>	plenary room
0815-0915	Environmental Security and Resource Scarcity <i>Dr. J. Scott Hauger, Professor, DKI APCSS</i>	plenary room
0915-1015	Technology and Security in the Indo-Pacific <i>Dr. Virginia Watson, Professor, DKI APCSS</i>	plenary room
1015-1045	Refreshment Break	
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>Gen. Jerdwut Kraprayoon RTARF</i>	plenary room
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>	plenary room
1200-1300	Lunch	2 <sup>nd</sup> floor Accommodation building

TIME	EVENT	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 / Assoc. Prof. Lumpy Lumbaca</i> - <i>Gen. Jerdwut Kraprayoon / Dr. Sungmin Cho</i> - <i>Lt.Gen. Noppadol Mungkalathon / Dr. John Hemmings</i>	Seminar room 1  Seminar room 2 Seminar room 3
1415-1430	Refreshment Break	
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 / Mr. Carleton Cramer</i>	plenary room
1530-1545	Refreshment Break	
1545-1700	Strategic Foresight and Scenario Planning in the context of the New Strategic Environment and Strategy Development <i>Gen. Jerdwut Kraprayoon RTARF keynote speaker</i> <i>Colonel Wayne Turnbull, Chief, JUSMAG Thailand</i>	plenary room
1700	Evening at Leisure	
1900-2000	Optional Seminar Discussion "The Geopolitics of 5G" Dr. John Hemmings, Professor	2 <sup>nd</sup> floor Accommodation building

**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	2 <sup>nd</sup> floor Accommodation building
0800-0815	Director's Welcome <i>AVM Poomjai Leksuntarakorn, Director, SSC</i>	main convention room
0815-0830	Group Presentation Introduction <i>Gp.Capt. Chaiya Okdaeng, Course Manager</i>	main convention room
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>	main convention room
0930-1000	Refreshment Break	
1000-1100	Closing ceremony - <i>Closing Remarks: AVM Poomjai Leksuntarakorn, Director, SSC</i> - <i>Closing Remarks: Mr. Carleton Cramer, Dean, DKI APCSS</i> - <i>Presentation of Certificates</i> - <i>Presentation of a token of appreciation to the APCSS</i> - <i>Closing Speech : Chief of Defence (or rep), Royal Thai Armed Forces</i> - <i>Group Photo</i>	main convention room
1100-1200	Lunch	2 <sup>nd</sup> floor Accommodation building
1300	Participants Depart Bangsaen for Bangkok	
1730-2030	SSC / DKI APCSS Alumni Event	Joint War College, NDSI



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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](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](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](https://emergency.cdc.gov/cerc/ppt/CERC_Messages_and_Audiences.pdf)

**Strategic Thinking Exercise:**  
**Minimize the Impact of a Projected Asteroid Strike<sup>1</sup>**  
**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).

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<sup>1</sup> 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.

## 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.



**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 briefback to PM



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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 21<sup>st</sup> 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**  
**THE REGIONAL 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](https://www.rsis.edu.sg/wp-content/uploads/2014/07/ER091125__Regional__Security__Cooperation__2009.pdf)



Daniel K. Inouye  
Asia-Pacific Center for  
Security Studies

## Senior Security Studies Course Bangsaen, Chonburi November 18-22, 2019



Strategic Studies Center,  
National Defence Studies Institute

### 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 DK1 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](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 its 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](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_Agile%20Governance_for_Creative_Economy_4.0_Report.pdf)

[http://www3.weforum.org/docs/WEF\\_Top\\_10\\_Emerging\\_Technologies\\_2019\\_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 21<sup>ST</sup> 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 21<sup>st</sup> 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 21<sup>st</sup> 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



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**TOPIC OVERVIEW**

**TODAY COMPLEX SECURITY ENVIRONMENT AND LONGTERM STRATEGY  
DEVELOPMENT USING FORESIGHTS AND SCENARIO PLANNING.**

GEN. JERDWUT KRAPRAYOON, RTARF KEYNOTE SPEAKER

**Overview**

We are in "The Age of Uncertainty" with the technology disruptions and hybrid nature of threats. The present model of strategic formulation and security infrastructure and thinking are not adequate for preventing threats and resolving present and future security issues in a comprehensive matters. Therefore, we must comes up with new models, new ways and means to address these changing environment. Hence, it is neccessary to acquired and use the technique of "Foresighting and Scenario Planning" as tools to evaulate, analyse longterm trends and driving forces in order to formulate longterm strategies to achieved a "Strategic Agility" for our organization and Nation.

**Objectives**

1. Understand the changing nature of present and future security environment.
2. Understand the important of Foresighting and Scenario Planning
3. Understand the general concept and procedure of Foresighting and Scenario Planning.

**Recommended Readings**

<http://www.warfare.today/2018/04/14/are-disruptive-technologies-the-future-of-defence/>  
<https://www.weforum.org/agenda/2016/11/the-4th-industrial-revolution-and-international-security/>  
<https://www.nationaldefensemagazine.org/articles/2017/10/31/disruptive-technologies-to-upend-rules-of-war>  
<https://futureoflife.org/2019/05/09/state-of-ai/>  
<https://www.fpri.org/article/2019/01/healthy-skepticism-about-the-future-of-disruptive-technology-and-modern-war/>  
<https://www.defenceiq.com/>  
<https://link.medium.com/D9AHzbrLc1>

# **SEMINAR GROUP**





## SEMINAR GROUP 1

Name	Current Post	Organization
1. Maj.Gen. Chitchanok Nujjaya	Deputy Director, Directorate of Joint Operations Organization: Directorate of Joint Operations	Directorate of Joint Operations
2. Col. Suradech Kaoropcroo	Duputy Director of the Office of Plans and Communications Operation	Directorate of Joint Communications, RTARF HQ
3. Gp.Capt. Jadet Khuhakongkit	Director of Operations Division	RTARF Cyber Security Center
4. Col. Samatpakorn Intarakhao	Director of Civil Affairs Division, Office of Civil Affairs Operations, Directorate of Joint Civil Affairs	Royal Thai Armed Forces Headquarters
5. Col. Bharat Tientongdee	Army Training Command	Royal Thai Army War College
6. Mr. Anusorn Wantanawate	Intelligence Officer, Professional Level	National Intelligence Agency/NIA
7. Gp.Capt. Panya Srising	Director of Strategy and Security Division	National Defence College, National Defence Studies Institute

### Facilitators:

- Gen. Jumphon Chalerytoy
- Assoc. Prof. Lumpy Lumbaca
- Ms.Tharathip kalyanamitra

## SEMINAR GROUP 2

Name	Current Post	Organization
1. Gen. Nothapol Boonngam	Senior Expert To Office Of The Permanent Secretary For Defence	Office Of The Permanent Secretary For Defence
2. Maj.Gen. Krist Chantaraniyom	Director of Support Office	Armed Force Development Command
3. Col. Wira Thienthanopajai	Director, Policy and Plan Division, Directorate of Joint Intelligence	Directorate of Joint Intelligence
4. Col. Jeeradech Mungtaisong	Officer Attached to AFSC	Officer Attached to AFSC
5. Col. Pannawat Boonchai	Director of Training and Education Division, Peace Operations Center, Directorate of Joint Operations.	Directorate of Joint Operations
6. Capt. Thanitpong Sirisawetsak RTN.	Director of Policy and Strategy	Ministry of Defence
7. Gp.Capt. Prapad Sriprasert	Director, Studies Affair Air War College	Air War college, Directorate of Education and Training

### Facilitators:

- Gen. Jerdwut Kraprayoon
- Dr. Sungmin Cho
- Ms. Panisara Thien-orn

### SEMINAR GROUP 3

<b>Name</b>	<b>Current Post</b>	<b>Organization</b>
1. Gen. Chatchai Patranavik	Advisor, National Defence Studies Institute	National Defence Studies Institute
2. Col. Pitch Jindawong	Deputy Shift of Staff	Counter Terrorism Operations Center
3. Col. Buntoon Bamrerraj	Deputy Director	Strategic Studies Center
4. Capt. Surasat Kongsiri RTN.	Director of International Cooperation Division	Directorate of Joint Operations
5. Col. Somjade Suntorntham	Director of Personnel Development Division	Directorate of Joint Personnel
6. Capt. Rapeepong Maneepan, RTN	Strategy Studies Director	Naval Strategic Studies Center. Naval Education
7. Pol.Col. Chotwichien Wichienchot	Superintendent Subdivion 4 Special Branch 2	Royal Thai Police

#### Facilitators:

- Lt.Gen. Nopadol Mungkalathon
- Dr. John Hemmings
- Ms. Piranchaya Urairat



**THE STRATEGIC STUDIES  
CENTER TEAM**





**Gen. Boonsrang Niumpradit (Ret.)**  
**Supreme Commander 2006-2008,**  
**Royal Thai Armed Forces HQ**

## **1. Education**

### 1.1 Civilian education

- 1.1.1 Wat Bang Sor School, Suphan Buri Province (elementary school level)
- 1.1.2 Song Peenong School, Suphan Buri Province (Secondary school level 1 - 3)
- 1.1.3 Song Peenong Witthaya School, Suphan Buri Province (secondary school level 4 - 6)

### 1.2 Military education (class/year)

- 1.2.1 Armed Forces Academies Preparatory School, class 6, 1965
- 1.2.2 Chulachomklao Royal Military Academy (CRMA), class 17, 1966
- 1.2.3 Norwich University, 1967
- 1.2.4 The United States Military Academy (West Point), 1971

### 1.3 Courses taken while in the Services

- 1.3.1 S.M. in Mechanical Engineering, Massachusetts Institute of Technology (MIT), USA, 1972
- 1.3.2 D.Eng. (Doctor of Engineering) in Structural Engineering, Asian Institute of Technology (AIT), 1978
- 1.3.3 Army Command and General Staff College, class 60, 1982
- 1.3.4 National Defence College, class 36, 1994

### 1.4 Course taken after retirement

- Senior executive course, Capital Market Academy, class 8, 2009

## 2. Previous key positions

### 2.1 Previous Assignment

- 2.1.1 Instructor, Mechanical Engineering Division, CRMA, 1973 – 1978
- 2.1.2 Aide de Camp to Deputy Commander – in – Chief of the Royal Thai Army, 1978-1980
- 2.1.3 Commander of the 31st Artillery Battalion, the King's Guards, 1983 - 1986
- 2.1.4 Director of Strategic Research Institute, 1991 - 1996
- 2.1.5 Deputy Director of Joint Operations, 1996
- 2.1.6 Commandant of Joint Staff College, 1997 – 1999
- 2.1.7 Superintendent of National Defence College, 1999 – 2000
- 2.1.8 Director of Joint Operations, 2001 - 2002
- 2.1.9 Director of Office of Policy and Planning, Ministry of Defence, 2002 - 2003
- 2.1.10 Chief of Joint Staff, 2003 - 2005
- 2.1.11 Deputy Supreme Commander, 2005 - 2006
- 2.1.12 Supreme Commander 2006 – 2008

### 2.2 Special official assignment

- UNTAET Force Commander, East Timor, 2000 - 2001

### 2.3 Major experiences in the Services

- 2.3.1 Secretary, Border Committee between Thailand and Laos, Thailand and Cambodia, Thailand and Malaysia (during tenure as Director of Joint Operations and Chief of Joint Staff)
- 2.3.2 Deputy Chairman and Chairman of Border Committee between Thailand and Laos, Thailand and Cambodia, Thailand and Malaysia (during tenure as Supreme Commander)

### 2.4 Special activities

#### Previous

- President of AIT Alumni Association (Mother's Chapter), 2006 - 2008
- President of National Defence College Association, 2007 - 2009
- Vice President of AIT Alumni Association (Thailand's Chapter)
- Committee of the American University Alumni (AUA)
- President of West Point Association, 1999



- Chairman of Advisory Committee on Security Strategy, Ministry of Defence, 2008 – 2019
- Advisor to the Organic Agriculture of Thailand Foundation, 2010
- Members of the national legislative Assembly 2014-2019
- President of Nakhonnayok Province Association 2014
- Chairman of the National Justice Reform Commission (Police), 2017

#### Present

- Senator 2019 – present
- Chairman of for Peace Network Foundation, 2010-present
- Chairman of National Defence College Think Tank 2016 - present
- Chairman of Thailand's Future Fund (scholarship granting), at Song Peenong Witthaya School, 1971-present
- Advisor to Institute of Security and International Studies , Chulalongkorn University
- Council member of Santapol College, 2009- present
- Special guest lecturer at institutes of higher education of the Armed Forces, Colleges and University.

### **3. Royal decorations and medals**

#### Thailand

- Companion (Fourth Class) of the Most Noble Order of the Crown of Thailand 5 December 1976
- Companion (Fourth Class) of the Most Exalted Order of the White Elephant 5 December 1979
- Commander (Third Class) of the Most Noble Order of the Crown of Thailand 5 December 1982
- Commander (Third Class) of the Most Exalted Order of the White Elephant 5 December 1986
- Knight Commander (Second class) of the Most Noble Order of the Crown of Thailand 5 December 1988
- Knight Commander (Second Class) of the Most Exalted Order of the White Elephant 5 December 1990

- Knight Grand Cross (first Class) of The Most Noble Order of the Crown of Thailand 5 December 1991
- Knight Grand Cross (First Class) of the Most Exalted Order of the White Elephant 5 December 1994
- Knight Grand Cordon (Special Class) of the Most Noble Order of the Crown of Thailand 5 December 1997
- Knight Grand Cordon (Special Class) of the Most Exalted Order of the White Elephant 5 December 2002

#### International Decorations

- United Nations United Nations Service Medal, UNTAET 22 July 2001
- Brazil Medalha do Pacifacador, Republica Federativa do Brasil 25 August 2003
- Singapore Distinguished Service Order (Military) 7 August 2008
- Malaysia Malaysian Armed Forces Gallantry Award (Honorary) 22 October 2008
- United States of America Legion of Merit (Degree of commander) September 2008
- Lao People's Democratic Republic Friendship Medal 10 July 2010

#### **4. Honorary Awards**

- 4.1 Distinguished Alumni of Song Peenong Witthaya School, Song Peenong District, Supanburi Province
- 4.2 Chakradoo Distinguished Award Year 2001, Military Operations Field, Armed Forces Academies Preparatory School
- 4.3 Distinguished Alumni, Norwich University, Vermont, USA
- 4.4 AITAA Distinguished Alumni Award 2004 (International Affairs) Thailand's Chapter
- 4.5 AITAA Distinguished Alumni Award 2004 (International Affairs), Mother's Chapter
- 4.6 Distinguished Alumni, Army Command and General Staff College

- 4.7 Honorary plaque, Distinguished work on the Development of Drug Problem Solving Policy 2008, Office of Drug Prevention and Suppression, Ministry of Justice
- 4.8 Hall Of Fame of the Asian Institute of Technology (AIT) on 7 September 2010 at a glittering AIT Day 2010 ceremony organized to commemorate the 51<sup>st</sup> Anniversary of the Institute.
- 4.9 Distinguished Graduate Award 2013, United States Military Academy (West Point)

## **5. Special Pride**

- 5.1 As the Supreme Commander, General Boonsrang was the leader in taking the Oath of Allegiance of the Royal Guards to His Majesty the King in the Ceremony of Taking the Oath of Allegiance and the Ceremonial Parade of the Royal Guards to celebrate the anniversaries of the King's Birthday twice which were the 60<sup>th</sup> Anniversary of the King's Accession to the Throne in 2006 and the 80<sup>th</sup> Anniversary of the King's Birthday.
- 5.2 General Boonsrang was the UNTAET PKF Commander.
- 5.3 Establishing the Royal Thai Armed Forces Strategic Studies Center to commemorate His Majesty the King's 80<sup>th</sup> Birthday at Lam Thain, Chonburi Province
- 5.4 Establishing the Directorate of Border Affairs.
- 5.5 Establishing the Directorate of Peace Keeping Operations.
- 5.6 Establishing office of the Armed Forces Attache', South Africa.
- 5.7 Establishing office of the Armed Forces Attache', Brazil.
- 5.8 Implementing the Reforestation Project at Baan Santikhiri, Mae Salong Hill, Chiengrai Province to commemorate His Majesty the King's 80<sup>th</sup> Birthday Anniversary
- 5.9 Implementing the Development and Rehabilitation Project of Life Quality and Upstream Area, Nam Nao District, Phetchaboon Province

- 5.10 Implementing the Project of Mangrove Planting for Natural Resources and Environment Preservation, Ranong Province
- 5.11 Establishing Youth Leadership Training Center for Peace Project, the Royal Thai Armed Forces Headquarters at Moo Sri Sub-district, Pak Chong District, Nakhon Ratchasima Province

## **6. Papers and Academic Articles**

- 6.1 Deformation and Energy Loss in a Thin-Walled Circular Cylinder due to Rotation in Quasi-Static Axial Load Transfer to a Saturated Porous Elastic Half-Space from Embedded Elastic Rod, Asian Institute of Technology, Dissertation (D.Eng.) 1978
- 6.2 Article on “Load Transfer from an Elastic Pile to a Saturated Porous Elastic Soil” printed in International Journal for Numerical and Analytic Methods in Geomechanics Vol.5 1981
- 6.3 Defence White Paper (The First one in ASEAN), Strategic Research Institute, National Defence College
  - 6.3.1 Defence Strategy (Thai), The Defence of Thailand (English), 1994
  - 6.3.2 Defence Strategy (Thai), The Defence of Thailand (English), 1996
- 6.4 410 Days in East Timor: A Peace Keeper’s Diary, 2002
- 6.5 Thai Translation: The French Wolf and the Siamese Lamb, The French Threat to Siamese Independence 1858 -1907, Patrick Tuck, 2000
- 6.6 Thai Translation: The French Wolf and the Siamese Lamb, The French Threat to Siamese Independence 1858 -1907: (Summary, 2008)
- 6.7 Other academic articles: The Equation of Armed Forces Development; Militarism for Executives; Building Military Leadership Characteristics; Training at the United States Military Academy; West Point; The Equation of Life; Aroka-Parama-Lapa (Health is Wealth); Life and Decision; Enrich Meanings for Life; and Crucial military matters related to the policy level; military considerations for national security policy development; etc.



**Gen. Jumphon Chalerytoy (Ret.)**

**Member of the National Defence College Alumni  
Think Tank Foundation and Peace Network  
Foundation**

GEN Jumphon Chalerytoy was born in 1959. He graduated from the Chulachomkiao Royal Military Academy and joined the Royal Army in 1982 as an artillery officer. During his early life as a young artillery officer, he had served in several units both combat and education units.

From 1982 to 1995, his first commission as Field Artillery Forward Observer in the 8<sup>th</sup> Field Artillery Battalion of the 3<sup>rd</sup> Infantry Division, in the northeastern part of Thailand. He also enjoyed his position as an artillery instructor at the Artillery School, Artillery Center, Lopburi province before being assigned to the Light Infantry Division as the 9<sup>th</sup> Artillery Regiment S3, 19<sup>th</sup> Battalion XO, and Coordination Officer of the 9<sup>th</sup> Arty Regiment, before posting at the military units out of artillery corp, both the Royal Thai Army and the Royal Thai Armed Forces HQs.

At the Army, he served as an instructor of Command and General Staff College since 1995. His last position before leaving the Army was the Army Attache in Canberra, Australia, between 2003-2006.

Upon his return from Australia in late 2006 onwards until retirement, his military career ended at the Royal Thai Armed Forces HQs. Here, he served in several sub-organizations. At the Policy and Plans Office, Directorate of Joint Operation, he was appointed as the Director of Policy and Strategy Division, and subsequently Deputy Director of Policy and Plans Office, before promoting to Major General as Staff Officer to the Chief of Defence Forces in 2012.

Under the RTARF HQs, in 2014, he was assigned as a Director of School of Interdisciplinary Security Studies, National Defence College, National Defence Studies Institute. Then, in 2015, he served as Director of Strategic Studies Center (SSC), known as the 'Defence Think-Tank' organization, which providing strategic and security viewpoints and suggestions to the the RTARF HQs and government agencies.

In 2016, he was promoted to 3 star General as Adviser to the RTARF HQs. During two years onwards, he was assigned to supervise to the National Defence College and subsequently to the office of the Chief of Defence Forces. At his final year, he was promoted to 4 star General as Supervisor to National Defence Studies Institute, and working until the end of September 2019.

During his jobs at the headquarters, he had been very much involved with the national and military strategic development from military level up to government level.

His field duty experiences during posting at the combat units and special assignments. He had been posted as the operation officer of the Surasi Task Forces, at the Thai-Burmese Border between 1992 and 1995. He also assigned as a combat royal guard during commissioned as a young officer, and as senior Royal Guard during the reign of King Bumbhipol, Rama IX, since 2003 until 2017.

As for his education, General Jumphon completed his major educations of both military and civilian. For military career path educations. He holds a Bachelor of Science from Chulachomklao Royal Military Academy in 1982, diplomas from Army Command and General Staff College in 1991, from Army War College in 2002, and from National Defence College in 2013.

His overseas educations. For major military courses, he graduated of both the Artillery Officer Advance Course and Artillery Target Acquisition Survey Course at Ft Sill, Oklahoma, USA in 1989. He also received two Master Degrees, in Defence Studies, University of New South Wales, Australia, in 1997, and in Political Science (Diplomacy and International Relation) from Thammasat University, Thailand, in 2003.

He was married, has no children. His favorite hobbies, besides sports and adventures, is reading.

He is now a member of the National Defence College Alumni Think Tank Foundation, and Peace Network Foundation. Under these two organizations, General Jumphon has been assigned as director of the leadership programs to run trainings both for military and civilian people since 2017 to instill leadership mindfulness.

Besides a member of those two foundations, he is also interested in sustainable development ideas. So, he has now been volunteering privately to help developing the hill tribe communities in the north of Thailand, Chiangmai province, since 2018, to have a sustainable living, in terms of changing mindset from traditional to sustainable.



**Gen. Jerdwut Kraprayoon**  
**Special Advisor Royal Thai Armed Forces HQ**

**Birth Date** : 2 January 1961

**Education** : B.S. Chula chomklao Royal Military

**Academy**

M.S. Industrial Engineering, University of Oklahoma, USA  
Armor Officer Advance Course, Ft. Knox,

**Kentucky, USA**

Command and General Staff College, RTA  
Command and General Staff College, Ft.

**Leavenworth, Kansas USA**

Royal College of Defence Studies, London

**UK**

National defence college, Thailand Class 53

**Previous Position**

Instructor, Command and General Staff

**College, RTA**

Commander, 4<sup>th</sup> Armor Battalion  
Assistant Army/Defence Attache, Washington DC  
Staff Officer, Directorate of Joint Intelligence,

**RTAF**

Staff Officer, Chief of Staff, RTAF  
Staff Officer, Deputy Supreme Commander  
Staff Officer, Supreme Commander  
Director, Peace Operations Centre  
Deputy Commandant, Joint Staff College  
Commandant, Joint Staff College  
Deputy Commanding General of National Defence Studies Institute  
Special Advisor, Royal Thai Armed Forces HQ



**Lt.Gen. Nopadon Mungkalaton**

**Special Expert, Royal Thai Armed Forces HQ (RTARF)**

<b>BRANCH OF SERVICE</b>	Infantry Corps by Training / Academics/Advisor at current position
<b>DATE OF BIRTH</b>	2 February 1960
<b>PLACE OF BIRTH</b>	Ubonratchathani, Thailand
<b>NATIONALITY</b>	Thai
<b>RELIGION</b>	Buddhist
<b>MARITAL STATUS</b>	Married
<b>SPOUSE</b>	Mrs. Chawiwon MUNGKALATON
<b>HOME ADDRESS IN THAILAND</b>	67/108 Soi 3 Chuancheun Bangkhen, Donmuang, Changwatana Road, Bangkok, Thailand, 10210
<b>CHILDREN</b>	Mr. Norwich Mungkalaton, age 28 Mr. Thierachai Mungkalaton, age 24

**MILITARY EDUCATIONS**

- Armed Forces Academies Preparatory School 1979 - 1981
- Chulachomklao Royal Military Academy 1982 - 1982
- Royal Military Academy Sandhurst (SMC - 31) 1982 - 1983
- Basic Infantry Course, RTA 1989 - 1989
- Advance Infantry Course, RTA 1991 - 1992
- Command and General Staff College, RTA 1994 - 1995
- National Defense Course, National Defense College 2014 - 2015

**PEACEKING STUDY ENGAGEMENTS**

- United Nations Staff Officer Course (UNSOC II), Sweden 1995 - 1995
- Peace Keeping Studies and Seminar, ADF, Australia 1998 - 1998
- Peacekeeping Seminar Game, Nepal 2002
- MILOPS Seminar, Victoria, Canada 2004



- Meeting of Regional Experts Seminar, Hawaii 2004
- UN PKO Doctrine Writing Seminar on Success Factors in Contemporary UN Peacekeeping Operations, 17-18 April 2007, Singapore 2007
- United Nations Peacekeeping Operation Contingent Commander Course, Center of Excellence, CCMR, Naval Postgraduate School, Monterey, California, U.S.A.,

## **CIVILIAN EDUCATIONS**

- Bachelor of Science in Chemical Engineering, Case Western Reserve University, U.S.A. 1984 - 1988
- Master of Defense Studies, University of New South Wales at ADFA, Australia 1999 - 2001
- Executive Leadership, Certificate Program, Cornell University, U.S.A. 2010
- Program for Executive in Logistics and Technology (LOGTECH), University of North Carolina at Chapel Hill, 30 May – 6 Jun 2017 2017
- Doctor of Philosophy (Ph.D.) in Development Administration, National Institute of Development Administration (NIDA), Thailand 2018

## **MILITARY ASSIGNMENTS**

- Commander, Signal Platoon, 1 INF BN, Infantry Center, RTA 1983 – 1983
- Instructor, Infantry School, Infantry Center, RTA 1988 - 1989
- Commander, Combat Support Company, 1 INF BN, Infantry Center, RTA 1989 - 1989
- Commander, Rifle Company, 1 INF BN 1989 - 1994
- Chief of Intelligence Branch, Directorate of Intelligence, RTA 1995 - 1997
- Chief of Training and Educations Branch, Directorate of Operations, RTA 1997 - 1998
- Assistant Director, Assessment and Evaluation Division, Command and General Staff College, RTA 2000 - 2001
- Assistant Director, Peace Operations Division, Directorate of Joint Operations (J-3), Supreme Commands 2002 - 2003
- Assistant Director, Peace Operations Division, Directorate of Joint Operations (J-3), Supreme Commands 2004 - 2005

- Senior Staff to Chief of Joint Staff 2005 – 2006
- Senior Staff to Supreme Commander 2007
- Military Adviser (MILAD), Permanent Mission of Thailand to the United Nations at New York 2008 – 2010
- Staff Officer, Directorate of Joint Intelligence 2010 – 2011
- Staff Officer, Director of Joint Intelligence/Assistance to Strategic Studies Center, NDSI 2011
- Director of Strategic Intelligence Division, J2, RTARF 2013
- Deputy of Peace Operations Center, J3, RTARF 2014
- General Level Staff Officer to CDF, RTARF 2015
- Royal ADC to His Majesty the King 2008 - 2017
- Deputy Superintendent, National Defense College, NDSI 2016 - 2018
- Deputy Director, Directorate of Joint Intelligence 2019 – Apr 2019
- Special Expert, RTARF Apr 2019 - Present
- NDC Advisor Oct 2019 - Present

#### SPECIAL ASSIGNMENTS and PEACEKEEPING OPERATIONS DEPLOYMENTS

- Military Advisor and Aide-de camp to UNTAET Force Commander, East Timor 2001 - 2002
- Verification and Special Project Committee (VSPC), JSC, Aceh Ceasefire Monitoring Mission, Indonesia 2003
- Chief Of Staff, THAI TASK FORCE 976/IRAQ 2003
- Advisory Committee to Prime Minister on Strategy and Security Policies 2004
- Assistant to the Secretary of the National Justice Reform Committee (Police) 2017
- Commander, Thailand Contingent in Aceh Monitoring Mission of the Peace Process Implementation between Republic of Indonesia and Aceh Free Movement (GAM) 2004 - 2006

#### DECORATIONS

- Knight Grand Cross First Class of the of the Most Exalted Order of the White Elephant 2016
- Republic of Indonesia's Piagam Canda Rehormatan Satyalancana Dharma Nusa, 26 December 2006

## OTHERS

- President of Chulachomklao Royal Military Academy Class of 33 1996 – 1997

## HOBBY

- Reading
- SPORTS Jogging, Golf

## OFFICE

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**AVM. Poomjai Leksuntarakorn**  
**Director, Strategic Studies Center,**  
**National Defence Studies Institute**

**Date of birth** 20 July 1964  
**Place of birth** Nonthaburi Province  
**Religion** Buddhist

**Areas of Responsibility**

To accumulate and evaluate the data and information related to strategic and security as well as providing opinion and suggestions on strategic aspects to the high echelon commanders, Royal Thai Armed Forces Headquarters, on related matters

**Educational background**

**Military Education**

- Armed Forces Academies Preparatory School (Class 24)
- Royal Thai Air Force Academy (Class 31)
- Command and General Staff College (Class 81)
- Joint Staff College (Class 50)

**Military Courses**

- Air Force Officer School, Fuestenfeldbruck Germany
- Basic Course of Civil Engineer Officer, Directorate Civil Engineering, Royal Thai Air Force
- Squadron School (Class 91), Royal Thai Air Force.

**Graduation / Courses**

- Bachelor/Master in Civil Engineer, Germany
- Master of Business Administration, Kasetsart University
- Integrated Logistic Support System (Basic and Advanced Level), Australia
- United Nation Staff Officer Course (UNSOC), Hamburg Germany

- Crisis Intervention in the Community, Haifa Israel.
- The 15<sup>th</sup> International Symposium Course 2012, China.
- The Strategist Course 9th, Strategic Studies Center, National Defence Studies Institute
- The Future Leader Programme 4<sup>th</sup>, Strategic Studies Center, National Defence Studies Institute
- ASEAN Defence Leadership Development Programme 2015, Strategic Studies Center, National Defence Studies Institute
- Ph.D. (Candidate), 2019.

### **Operation appointments**

- Master in Civil Engineer Department, Royal Thai Air Force Academy
- Civil Engineer Officer of Civil Engineering Office, Support Services Department, Supreme Command
- Assistant Director of Strategic Studies Division, Joint Staff College, National Defence Studies Institute
- Director, Procurement Division General Support Office, Armed Forces Development Command
- Operating Officer to the Royal Thai Armed Forces Headquarters
- Director of Regional Studies Division, Strategic Studies Center, National Defence Studies Institute.
- Director of Economic and Social Psychology Division, National Defence College, National Defence Studies Institute.
- Deputy Director of the Office of Joint Logistics, Directorate of Joint Logistics, Royal Thai Armed Forces Headquarters.
- Director of Strategic Studies Center, National Defence Studies Institute.  
(Present)

### **Professional experiences**

- Civil Aviation Security
- Nuclear Learning in South Asia
- Defence Capability Development

- Disaster Management particularly in the consequences of Water Crisis
- Security Sector Reform / Governance
- Trends of Security System of Thailand: beyond the ASEAN Community 2015
- Trends of Terrorism in Thailand and ASEAN beyond 2015

### **Professional titles**

- Civil Aviation Security Seminar, NADI Meeting in Singapore, February 2012.
- The next decade of Nuclear Learning in South Asia, posted by Department of National Security Affairs, Naval Postgraduate School, held in Bangkok, May 2012.
- Defence Capability Development Seminar, Bangkok, May 2012.
- International Academic Seminar on “Disaster Management: International Community Cooperation in Dealing with the Challenges and the Consequences of Water Crisis”, held in Bangkok, June 2012.
- Discussion on Building Successful Security Sector Governance Lessons from South-East Asia, organized by Friedrich-Ebert-Stiftung, Bangkok, Thailand, August 2012.
- The Challenge and Prepare in Security System of Thailand : beyond the ASEAN Community 2015, organized by Senator House, August 2012.
- Seminar/Discussion on “Trends of Terrorism in Thailand and ASEAN leading to and beyond the ASEAN Community”, Bangkok, Thailand, August 2012.
- Academic Exchanges and Cooperation with the China Institutes of Contemporary International Relations(CICIR) and the China Institute for International Strategic Studies (CISS), Beijing, China, 2013.
- Security Dialogues with Kaisone Phomvihane National Defence Academy, Lao PDR, 2013.
- Security Dialogues with Institute for Defence Strategy, Ministry of National Defence of Vietnam, 2013.
- Workshop on Cyber Security: Emerging Challenges and Responses, Singapore, 2014.
- Non Traditional Security Dialogues in the 7<sup>th</sup> NADI Annual Meeting, Nay Pyi Taw, Myanmar, 2014.

- Academic Exchanges and Cooperation with the China Institutes of Contemporary International Relations (CICIR) and the China Institute for International Strategic Studies (CIISS), Beijing, China, 2014.
- Workshop on Energy Security “Towards Enhancing Regional Harmony and Promoting Energy Security in Southeast Asia” Lombok, West Nusa Tenggara Indonesia, 2014.
- Security Dialogues with the Research Institute for Peace and Security (RIPS), Japan, 2014.
- Workshop on The Role of Military in Enhancing Human Security, Pattaya, Thailand, 2014.
- Present at the 18<sup>th</sup> ARF HDUCIM (ASEAN Regional Forum – Head of Defence Universities/Colleges/Institutions Meeting), South Korea, 2014.
- Workshop on “47<sup>th</sup> Pacific Area Senior Officer Logistics Seminar”. Tokyo, Japan, September, 2018.



**Gp.Capt. Chaiya Okdaeng**  
**Director, Strategic and Security Research Studies**  
**Division, Strategic Studies Center, National Defence**  
**Studies Institute**

### EDUCATION

- Royal Thai Air Force Academy, (Year 1989)

### BACKGROUND

- Bachelor of Science in Electrical Engineering, Royal Military College of Science(RMCS), Shrivenham, Swindon, ENGLAND, (Year 1993)
- Master of Science in Telecommunications Management, Murdoch University, Perth, AUSTRALIA, (Year 2002)
- Air Force Command & Staff College, THAILAND (Year 2007)

### TRAINING

- Advance Security Cooperation (ASC13-1), Asia-Pacific Center for Security Studies (APCSS), Hawaii, USA (Year 2013)
- Program on Cyber Security Studies (PCSS) Cyber Alumni Community of Interest (COI) Workshop at George C, Marshall : European Center for Security Studies, Garmisch-Partenkirchen, GERMANY (Year 2015&2017)
- Cyber Law and Other Emerging Technology Workshop, Military Law Center, Victoria Barracks Sydney, AUSTRALIA (October 2018)

### PREVIOUS ASSIGNMENT

- Directorate of Armament, Royal Thai Air Force
- Royal Thai Air Force Telecommunications Center
- Deputy Director of Policy and Plan Division, National Defence Studies Institute's Headquarter
- Director of Publication and Information Technology Division, National Defence Studies Institute



## PRESENT ASSIGNMENT

- Director of Strategic and Security Research Division, Strategic Studies Center,  
National Defence Studies Institute

## OFFICE ADDRESS

Strategic Studies Center, National Defense Studies Institute  
62 Vibhavadee-Rangsit Road, DinDaeng,  
Bangkok, Thailand 10400



**Gp.Capt. Chularat Pethcharawises**

**Deputy Director, Strategic and Security Research Studies  
Division, Strategic Studies Center, National Defence  
Studies Institute**

**DATE OF BIRTH** 29 Dec 1964  
**PLACE OF BIRTH :** Chaiyaphum Province  
**RELIGION** Buddhism  
**OFFICE ADDRESS** 62 Vibhavadi Rangsit Rd.,Dindaeng, Bangkok 10400  
**TEL** 02-2755715, 081-8172842  
**E-MAIL ADDRESS** [chulawise@yahoo.com](mailto:chulawise@yahoo.com)

**EDUCATION BACKGROUND**

- High School : Chaiyabhumbhakdeechumphon school ,1983
- Bachelor's degree : Nursing Science, Air Force Nurse College,1987
- Master's degree : Master of Nursing Science, Nursing Administration, Chulalongkorn University, 1994
- Doctoral degree: Doctor of Philosophy in Education, Non-Formal Education Chulalongkorn University, 2012

**EDUCATION BACKGROUND (MILITARY)**

- SOS' 88 : Squadron Officer School, Royal Thai Air Force, 1997
- SAOC'54 : Senior Air Officer College, Royal Thai Air Force,2008
- Strategist'10 : Strategic Course, Strategic Studies Center (SSC), National Defence Studies Institute, Royal Thai Armed Force Headquarters,2015
- ISP' 118 : INSTITUTE OF SECURITY PSYCHOLOGY ,NATIONAL DEFENCE STUDIES INSTITUTE ROYAL THAI ARMED FORCES HEADQUARTERS ,2018

**FOREIGN EDUCATION**

Managing Defence in the Winder Security Context and Strategic Leadership Programme Export, Cranfield University (National Defence Studies Institute, Royal Thai Armed Force Headquarters, 2016)



**Col. Suthas Kramnaimeang**

**Deputy Director, Strategic and Security Research Studies  
Division, Strategic Studies Center, National Defence  
Studies Institute**

**Born** March 12, 1963

**Address** 183/854 Songprapha Road, Si Kan Sub-district, Don Mueang District,  
Bangkok 10210

**Current Position**

- Deputy Director of the Strategic and Security Research Division Strategic Studies Center, National Defense Studies Institute

**history of education**

- Bachelor of Business Administration, Major in Finance - Banking, Sripatum University, 1988
- Master of Business Administration, Major General management, Rajamangala University of Technology Thanyaburi, 2007
- Doctor of Education Administration and Change Leadership, Eastern Asia University, 2011

**Special service**

- Support Thai - Cambodian Border Office, Aranyaprathet District, Sa Kaeo Province



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





**PETER A. GUMATAOTAO**  
**REAR ADMIRAL, USN (RET)**  
**DIRECTOR**

Pete Gumataotao became the Director, Daniel K. Inouye Asia-Pacific Center for Security Studies (DKI APCSS) in February 2018. A native of Guam, RADM (Ret) Gumataotao joined the Navy in 1976 and attended the Naval Academy Preparatory School in Newport, Rhode Island. He is a 1981 graduate of the United States Naval Academy and earned his Master of Arts in Strategic Studies from the U.S. Naval War College in 1994.

Pete has extensive experience operating in the Asia-Pacific region during 37 years of active duty service, including eight years as a U.S. Navy flag officer. In addition to undertaking eleven deployments conducting defense and security exercises, he served in executive-level, strategic management capacities, notably as Commander, U.S. Naval Forces Korea for U.S. Pacific Fleet (CNFK), and Current Operations Director for both U.S. Pacific Fleet (PACFLT) and U.S. Pacific Command (PACOM).

As Commander of Nimitz Carrier Strike Group, he directed the multi-national exercise 'Rim of the Pacific' in 2012. In Washington, DC, he served as a Strategic Fellow at the Center for Naval Analysis, collaborating with faculty and staff to develop strategic analytic research covering a broad range of maritime issues.

He most recently served as Deputy Chief of Staff, Strategic Plans and Policy for Supreme Allied Command Transformation, NATO, where he spearheaded transformational initiatives to formulate and update NATO strategic security policies. He organized numerous forums aimed at strengthening collaboration among NATO leadership and allied partners which included international organizations such as the European Union and United Nations, nongovernmental organizations, and academia.

Pete is the first recipient of the Admiral Zumwalt Award for Visionary Leadership. He was awarded the Order of National Security Merit Cheonsu Medal by the Republic

of Korea for distinguished performance in promoting military cooperation between South Korea and the United States. He was most recently awarded the Bundeswehr Cross of Honour for Valour by the German military for his performance at NATO.

His U.S. Naval decorations include the Defense Distinguished Service Medal, Defense Superior Service Medal, Legion of Merit (five awards), Meritorious Service Medal (four awards), and other personal, unit, and campaign awards.





**CARLETON R. CRAMER**  
**CAPTAIN, U.S. NAVY (Ret)**  
**Dean, College Of Security Studies**

Carleton R. Cramer joined the Daniel K. Inouye Asia-Pacific Center for Security Studies in 2004 as a military faculty member. In 2007, Mr. Cramer retired from the Judge Advocate General's Corps, United States Navy. During 2007-13 he served as a civilian faculty member focusing on international law, counter terrorism and maritime security. In August 2013, he assumed his current position as Dean, College of Security Studies.

Mr. Cramer completed his Bachelor of Arts degree in 1979 at the University of California, Santa Barbara, with majors in history and political science and a minor in economics. In 1982, he earned his Juris Doctor at the University of the Pacific, McGeorge School of Law. In 1983, he graduated from the Naval Justice School and in 1993, he earned his Masters of Law from The Judge Advocate General's School, Charlottesville, Virginia.

Mr. Cramer grew up on Kwajalein Atoll, Republic of the Marshall Islands. His twenty-seven year naval career includes numerous assignments in the Asia Pacific region, including two command tours. Additional experience in the region includes working for the Supreme Court of Hawaii and for the U.S. Attorney, District of Hawaii. Mr. Cramer is a member of both the California and Hawaii State Bars. He is admitted to practice before the U.S. Supreme Court, the U.S. Court of Appeals for the Armed Forces, U.S. Court of Appeals for the 9th Circuit and the U.S. District Court, District of Hawaii.

The Daniel K. Inouye Asia-Pacific Center for Security Studies is a Department of Defense academic institute that addresses regional and global security issues. Military and civilian representatives, most from the U.S. and Asia-Pacific nations, participate in a comprehensive program of executive education, professional exchanges and outreach events, both in Hawaii and throughout the Asia-Pacific region. The Center

supports PACOM by developing and sustaining relationships among security practitioners and national security establishments throughout the region. DKI APCSS' mission is to build capacities and communities of interest by educating, connecting, and empowering security practitioners to advance Asia-Pacific security. It is one of the Department of Defense's five regional security studies centers.



**ALFRED OEHLERS, Ph.D.**

**PROFESSOR**

**Areas of Expertise – Economics, Southeast Asia,  
Pacific Islands**

Dr. Alfred Oehlers joined the Daniel K. Inouye Asia-Pacific Center for Security Studies in March 2007. He was previously an associate professor at Auckland University of Technology, New Zealand. Dr. Oehlers obtained his doctorate in political economy from the University of Sydney. He holds both a master's and a bachelor's degree in economics, from Macquarie University, Australia.

Dr. Oehlers is a specialist in the political economy of economic growth and development, with reference to the countries of the Asia-Pacific region. His teaching has ranged widely during his career, spanning courses as diverse as international business, economics, politics, public policy, international relations, security studies, Asian studies, history, and other social sciences. He has taught at Massey University in New Zealand, Macquarie University and the University of Sydney in Australia, and the Institute of Development Studies at the University of Helsinki, Finland. In New Zealand, Dr. Oehlers enjoyed a long association with the New Zealand Defense Force Command and Staff College, where he contributed regularly to professional military education activities.

Apart from his teaching and research, Dr. Oehlers leads the Center's engagement efforts in a number of areas (e.g. ASEAN, Lao PDR, Myanmar, Thailand, the Pacific Islands, and counterterrorism). He also served as the Program Manager for Transnational Security and Crisis Management from September 2009 to June 2011. In recognition of his service, he was awarded the U.S. Department of Defense, Joint Civilian Service Commendation Award, in 2011.



**VIRGINIA BACAY WATSON, PH.D.**

**PROFESSOR**

**Areas of Expertise: Science, Technology & Security,  
Southeast Asia, Water Security**

Dr. Virginia Bacay Watson joined DKI APCSS as an assistant professor in July 2004. She held prior appointments at the University of Denver and Colorado School of Mines and served as an exchange faculty for the University of Colorado in Beijing, China. She was also a consultant for various international and governmental organizations.

She teaches and publishes on topics including science and technology policy in the Asia-Pacific, the strategic role of emerging technologies, Southeast Asia/Philippine security issues, and resource/water security.

Dr. Watson is originally from the Philippines, where she obtained her bachelor's degrees in Asian Studies and Management of Financial Institutions. She holds a Master's Degree in Asian Studies from Cornell University and a Doctorate in International Studies (in the field of comparative politics) from the University of Denver focusing on two areas: international technology assessment & management, and public policy. She is fluent in Tagalog and Ilonggo and conversant in Japanese and Spanish.



**J. SCOTT HAUGER, Ph.D.**

**PROFESSOR**

**Areas of Expertise – Environmental Security, Climate Change, Global Commons, Science, Technology and Policy**

Dr. Scott Hauger joined the Daniel K. Inouye Asia Pacific Center for Security Studies in April 2010. His area of expertise is that of science, technology and society, including issues of global change; environmental security; science diplomacy; barriers to international research collaboration; as well as innovation theory, policy and practices. He has a special interest in China and its emerging role as a leader in innovation-based economic development and its challenges to environmental security.

In the 1980s, Dr. Hauger was founder and CEO of Applied Concepts Corporation, a high tech, small business firm providing technology assessment and technology development services in areas including alternative energy, automation and robotics, and technology and disability as well as defense. In the 1990s, he led in the establishment of a branch program in graduate education in Science and Technology Studies at Virginia Tech's Northern Virginia Center, serving working professionals in the Washington, D.C., area. He then served as a program director at the American Association for the Advancement of Science (AAAS), where he oversaw four national programs in the science and policy arena, and was the founding director of the AAAS Research Competitiveness Program. As a consultant and as an adjunct staff member of the Institute for Defense Analyses, he has worked in a variety of areas related to energy independence and environmental sustainability. Prior to joining DKI APCSS, Dr. Hauger served as a Research Professor and Vice President for Government and Business Relations at Nevada's Desert Research Institute (DRI), where he developed an interest in issues of climate change and security, and worked to establish research collaborations with sister research institutes in Asia, Africa, South America, Australia, and the Middle East.

Dr. Hauger's military service included active duty as a staff officer at a NATO Army Group headquarters in Izmir, Turkey, and eleven years in the U.S. Army Reserves in the fields of strategic intelligence and civil affairs. His career has spanned the research and innovation enterprise across the private, academic, non-profit and government sectors.

Dr. Hauger's education includes bachelor's and master's degrees in chemistry, from Stetson and the Johns Hopkins Universities, followed by an M.A. in history (University of Chicago) and a doctorate in Science and Technology Studies from Virginia Tech. He has broad experience in interdisciplinary education and research: He has developed and taught graduate-level courses in the history and philosophy of science and in science policy, and he has managed more than \$30 million in interdisciplinary research programs in areas related to innovation and science policy. He has edited a book on American academic research competitiveness, and published a variety of articles on topics of environmental security, science policy, and innovation theory and practice.



**DR. SUNGMIN CHO**

**ASSOCIATE PROFESSOR**

**Areas of Expertise -Korea, China, and Geopolitics of Northeast Asia**

Dr.Sungmin Cho joined the Daniel K.Inouye Asia-Pacific Center for Security Studies (DKIAPCSS) in August 2018. His area of research interests covers China-Korean Peninsula relations, North Korea’s nuclear program, Korean unification, and the US alliance in East Asia. Dr. Cho also closely follows the domestic politics of China, Taiwan, and North Korea.

Prior to arriving at DKI APCSS, Dr.Cho was a lecturer for the Asian Studies Program at Georgetown University from 2016 to 2018, where he taught on a range of subjects including the domestic politics of China and the politics of nuclear weapons in East Asia at both undergraduate and graduate levels. Dr.Cho has written on contingency planning for a possible collapse of North Korea, including a paper published in *The International Journal of Korean Studies* in 2015, and contributed a chapter on North Korea’s prison camps in *The Soviet Gulag: Evidence, Interpretation, and Comparison* in 2016. Previously, he also published several policy analysis and op-eds in *Issues and Insights* and *The Diplomat*.

For his dissertation research, Dr. Cho conducted two rounds of fieldwork in China in 2015-2016, supported by Georgetown University’s summer research funds and the Smith Richardson Foundation. Dr. Cho did archival works in Beijing and interviewed former Chinese officials and scholars to explore China’s strategic openness to Western democracy promotion programs. Previously, Dr. Cho did fieldwork in the Chaoxian Autonomous Region in Northeastern China while working on his master’s thesis on the Chinese perception of North Korea 2008-2010. Dr. Cho also worked for the Beijing office of the United Nations High Commissioner for Refugees to support North Korean defectors under its protection in 2009.

Before starting his graduate studies, Dr. Cho served in the Republic of Korea Army for three years, which he completed at the rank of first lieutenant. As an interpretation officer of the Capital Corps of the ROK Army, Dr. Cho participated in the US-ROK joint exercises to defend the Seoul Metropolitan Area in 2005. Dr. Cho was later deployed to Erbil, the capital of Iraqi Kurdistan as part of the Multinational Forces in Iraq, Northeastern Division, in 2006. Returning from Iraq, Dr. Cho worked in the ROK Army Logistics Command in 2007 - 2008, where he was in charge of managing military sales from the United States to South Korea.

Dr. Cho was a proud member of Pacific Forum's Young Leaders Program in 2009 - 2010. He worked at Pacific Forum for one year as a residential fellow under The James A. Kelly Korean Studies Program in 2011.

Dr. Cho received his PhD in Government from the Georgetown University, Master's degree in International Relations from Peking University, and B.A. in Political Science from Korea University. He also spent a year as a visiting student at the University of British Columbia.

Dr. Cho is an avid fan of movies and books. He traveled by bicycle from Beijing to Nanjing, China in the winter of 2009 and a long the border between China and North Korea in the summer of 2010. A native Korean, Dr. Cho speaks Korean, English and Mandarin Chinese.





## **DR. JOHN HEMMINGS**

### **ASSOCIATE PROFESSOR**

**Areas of Expertise – Japan, the Korean Peninsula, the US alliance system in Asia (trilaterals / the quad), the Indo-Pacific, and 5G & national security.**

Dr. John Hemmings joined the Daniel K. Inouye Asia-Pacific Center for Security Studies (DKI APCSS) in July 2019. His areas of focus at DKI APCSS are Northeast Asian security, Japanese defence policy, the Indo-Pacific concept, alliance theory, and US alliances. He takes a special interest in 5G and national security.

Prior to arriving at DKI APCSS, Dr Hemmings was the founding Director of the Asia Studies Centre and Deputy Research Director at the Henry Jackson Society, a trans-Atlantic think tank in London. During this time, he regularly briefed multiple government departments and agencies, including the UK Cabinet Office, the Ministry of Defense, and gave testimony to the House of Commons Defence Committee on security in East Asia. While he was at the Henry Jackson Society, Dr. Hemmings co-authored a study on Huawei, 5G and the Five Eyes, multiple studies on the Indo-Pacific, and coordinated a project on diplomacy on the Korean peninsula.

Between 2007 and 2011, Dr. Hemmings worked at the Royal United Services Institute (RUSI) in Whitehall, where he was a researcher on Northeast Asian defence and security studies. During this period, he undertook research on South Korean stabilization activities in Kabul and Parwan, Afghanistan on behalf of the Asia Foundation and reviewed Japanese defense industrial policy. Over the course of his career, Dr. Hemmings has held honorary fellowships with the Center for Strategic and International Studies (CSIS), the Pacific Forum, and a visiting scholarship with Hitotsubashi University in Japan.

Dr. Hemmings regularly writes about international affairs for the Lowy Interpreter, the National Interest, CapX and the Telegraph newspaper. He also publishes with academic journals, and has written for International Affairs, the RUSI Journal, Issues and Insights, the Harvard Asia Quarterly, and International Politics Review. He gained his Masters degree in International Peace and Security from Kings College London in 2007 and gained his PhD in International Relations from the London School of Economics in 2017, where he wrote about the US-Japan-Australia trilateral.



**J. “LUMPY” LUMBACA**

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J. “Lumpy” Lumbaca, US Army Special Forces Lieutenant Colonel (Retired), joined the Daniel K. Inouye Asia-Pacific Center for Security Studies in March 2019. His academic focus is on counter-terrorism, illicit activities, insurgency, and radicalization.

Prior to his arrival at the Center, Lumpy served for over twenty years on Active Duty in various positions throughout the US Special Operations Forces (SOF) community with primary emphasis on the Indo-Pacific region. He commanded Green Berets at the A-Team and B-Team levels, and held various other positions within the US Army’s 1st Special Forces Group (Airborne) in Okinawa, Japan and Joint Base Lewis-McChord, Washington. At Special Operations Command Pacific (SOCPAC) in Hawaii, he served in the SOJ5 (Policy & Plans) and SOJ3 (Operations) directorates. In combat, he led joint/combined Special Forces operations in Iraq and the southern Philippines. Lumpy then went on to serve as the Ground Operations Officer, and finally as the Director of Operations at the Joint United States Military Advisory Group - Thailand (JUSMAGTHAI), US Embassy, Bangkok, where he eventually retired from Active Duty. Following retirement from the military, he supported both the Department of State and the Department of Defense in the Indo-Pacific region until coming to DKI APCSS. Throughout his career, Lumpy lived and worked alongside interagency partners, diplomats, foreign law enforcement officials, paramilitary forces, and special operators throughout North, South, and Southeast Asia conducting sensitive activities from the tactical to the theater-strategic and diplomatic levels aimed at countering terrorism, illicit activities, WMD proliferation, and transnational crime.

Before becoming a Special Forces Officer, Lumpy was commissioned in the Infantry at Norwich University in 1995. It was there that he graduated summa cum laude and Distinguished Military Graduate (DMG) with a Bachelor of Arts in International

Studies. In 2005 he earned his Master of Science in Defense Analysis (Irregular Warfare) (Dean's List) from the USSOCOM Special Operations / Low-Intensity Conflict (SO/LIC) program at the Naval Postgraduate School. He is currently a doctoral student at Liberty University.

Lumpy is a graduate of DKI APCSS ASC 18-1, US Army Command & General Staff College; Joint Forces Staff College; Special Forces Qualification Course (Distinguished Honor Graduate), Airborne, Ranger, Jumpmaster, Survival Evasion Resistance Escape (S.E.R.E., Level C - High Risk), Infantry Officer Basic Course, Infantry Maneuver Captain's Career Course, Combined Arms and Services Staff School (CAS3), DoD foreign language training and immersion (several locations), USAID/OFDA Joint Humanitarian Operations Course (JHOC), DoD Humanitarian Assistance Response Training (HART) course, and the Indian Army's Junior Command course, among others. He is a Joint Qualified Officer (3A and 3L), fluent in Thai (3/3), and has been awarded the Royal Thai Army Master Parachutist Badge (11<sup>th</sup> award), Royal Thai Army Balloon Parachutist Badge, Royal Thai Air Force Parachutist Badge, and Republic of Korea Parachutist Badge.

His publications include: "A Review of the US Military's Response in Support of the 2018 Thailand Cave Rescue: A U.S. Indo-Pacific Command Perspective," 2019, CFE-DM; "Relationship Building: The Key Objective of SOF Phase Zero Engagement," 2014, *Special Warfare*, Vol 27 Issue 1; "The US-Thailand ARSOF Relationship," 2012, *Special Warfare*, Vol 25 Issue 1; "Islamic Insurgency and Transnational Terrorism in Thailand: Analysis and Recommended Solution Strategy," 2005, Naval Postgraduate School Press

## **MARY MARKOVINOVIC**

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Mary Markovinovic has been the chief of public affairs for Daniel K. Inouye Asia-Pacific Center for Security Studies since May 2005. In this position, she manages DKI APCSS' public affairs program and also serves as an adjunct faculty member lecturing on topics such as media relations, crisis communications and new media. A graduate of the University of San Diego and Defense Information School, she served as public affairs officer at the Naval Supply Center, San Diego which then became the Fleet and Industrial Supply Center San Diego, from 1986 to 1998. She transferred to Navy Region Southwest to be the Public Affairs Program Manager, responsible for public affairs operations for Navy shore installations in California and Nevada. Ms. Markovinovic moved to Hawaii in 2003 taking a position as the chief of media relations for U.S. Army, Pacific (USARPAC) where she worked on issues such as the Stryker Brigade deployment, Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF), the Pacific Armies Management Seminar, and the Army Transformation in the Pacific.



**MR. DARREN ADAMS**

MR. DARREN ADAMS is a Regional Engagement Operations Coordinator with the Daniel K. Inouye Asia-Pacific Center for Security Studies. He joined DKI APCSS in January 2017 and previously worked in a similar role at the George C. Marshall European Center for Security Studies leading many workshops in Central Asia and Europe. He has over fifteen years of federal government experience, is a U.S. Navy veteran, and has Bachelor of Science in Workforce Education and Development as well as Master of Business Administration degrees.



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