

CONFERENCE HANDBOOK

International Conference on Maritime Challenges and Market Opportunities: “Facilitating Cooperation in the Asia-Pacific”

Date: August 29 - 30, 2017

Venue: Shangri-La's Far Eastern Plaza Hotel, Taipei
201 Tun-Hwa South Road, Section 2, Taipei, Taiwan
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Organizers: Taiwan Center for Security Studies
Institute of International Relations, National Chengchi University
Association of Emerging Market Studies
Fletcher School of Law and Diplomacy, Tufts University

Co-organizers: Institute of Marine Affairs and Policy, R.O.C.
Cross-Boundary Management Education Foundation
South China Sea Think Tank
Asia Pacific Policy Research Association

Sponsors: XDL Capital Co., Ltd.
Franz Collection Inc.
PHYCOS International Co., Ltd.
Linda Liu

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Introduction

International Conference on Maritime Challenges and Market Opportunities: “Facilitating Cooperation in the Asia-Pacific”

Maritime disputes have emerged as major potential flashpoints in the Asia-Pacific region. The tense confrontations that have threatened regional security and stability are fueled by the complex historical relationships between countries, disagreement over maritime sovereignty issues, divergent understandings of international law, and many countries’ relentless pursuit of their national interests. Yet oceans need not be a source of regional tensions. On the contrary, these vast maritime expanses provide opportunities for cooperation among all relevant stakeholders. Oceans are crucial to international trade, global development, and human wellbeing and will play an increasingly significant in the global economy in the future.

To broaden our knowledge of the relationship between regional maritime and global economic issues, Taiwan Center for Security Studies (TCSS) will host the International Conference on Maritime Challenges and Market Opportunities: “Facilitating Cooperation in the Asia-Pacific” in late August 2017 to be attended by domestic and foreign participants from academia and industry. In addition to maritime security and geopolitical issues, the conference will also explore other key topics related to maritime affairs, including the sustainability of the ocean economy, fishing, shipbuilding, maritime energy (e.g. tidal power, offshore wind energy), seabed resources, emerging blue-water technologies, maritime startups, marine environmental protection, marine tourism, and the oceanic cultural and creative industries.

Through discussions of these interrelated topics, the international conference aims to bring together individuals of diverse backgrounds to share alternative perspectives for regional peace and development and innovative solutions for maritime dispute management. It is our hope that, through such inclusive dialogue on the relationship between maritime disputes and market opportunities, we can together make a meaningful contribution to addressing one of the most pressing issues of our time.

簡介

海事爭端 vs. 海洋市場機會：如何促進亞洲的海洋合作？

對於潛在紛爭不斷的亞洲，海洋是其中一個可能的衝突引爆點。由於亞洲各國歷史的糾結，以及對於海洋主權認知的差異，導致各自追逐排他性利益，海權糾紛因而層出不窮。

然而，海洋是各國對外貿易的命脈，海洋資源更是未來全球經濟的重要支柱。海洋不應只是被視為區域衝突的來源，更應是各國合作的契機。

有鑑於此，臺灣安全研究中心與新興市場研究協會將於 2017 年 8 月底舉辦「海事爭端 vs. 海洋市場機會：如何促進亞洲的海洋合作？」國際研討會，將邀請國內專家、政府官員、學者與業者共計五十位進行深度研討，除了有關海洋的傳統議題，例如海事安全、海洋地緣政治等之外，此次將特別聚焦在海洋經濟的永續發展、漁業、造船、海洋能源（含潮汐發電、離岸風電）、水底資源、深海科技、海洋新創事業、海洋環保、海洋觀光、海洋文創等包容性議題，透過廣闊海洋議題的研究，以期為區域和平與發展提供另類的視野與衝突管理的創造性方案。

Organizers and Sponsors

Organizers

Taiwan Center for Security Studies

Taiwan Center for Security Studies (TCSS) serves as a platform for research and dialogue between international experts on issues of East Asian security and cross-strait relations. It is affiliated with National Chengchi University in Taipei, Taiwan.

Institute of International Relations, National Chengchi University

The Institute of International Relations (IIR) was founded on April 1, 1953, as the Association for International Relations. Its chief purpose was to carry out research into Chinese Communist and international affairs for the government. In 1961, the Association's title was changed to the Institute of International Relations of the Republic of China. From then on, it began to expand and develop relationships with other academic institutions at home and abroad. Since July 1, 1975, the IIR both has been affiliated with National Chengchi University as an autonomous institution and has continued to develop its research into mainland Chinese and international affairs. On August 1, 1996, the IIR was fully integrated into the university.

Association of Emerging Market Studies

AEMS was initiated and established in 2012 jointly by Mr. Paul Hsu, Chairman of PHYCOS and Director General of the Epoch Foundation, Mr. Chen of Franz, and leaders in business, government, and academia, with the aim of providing policy recommendations and promoting Taiwan's long term development. The goals of AEMS include (1) engaging in shaping the future development and

evolution of emerging countries; (2) exploring optimal development strategies for the specific needs of emerging countries; (3) showcasing Taiwan's overarching strategies for the development of emerging countries; (4) strategizing Taiwan's regional and global integration; and (5) helping connect Taiwan's SMEs with the tripartite network of business, government, and the academia in emerging countries, and expanded opportunities of various business ventures.

Fletcher School of Law and Diplomacy, Tufts University

Founded in 1933, the Fletcher School of Law and Diplomacy is the oldest exclusively graduate school of international affairs in the United States. The primary aim of The Fletcher School is the same as it was when conceived by its founders: to offer a broad program of professional education in international relations to a select group of graduate students committed to maintaining the stability and prosperity of a complex, challenging and increasingly global society.

Co-organizers

Institute of Marine Affairs and Policy, R.O.C.

Established on 5 July 1997, the Institute of Marine Affairs and Policy (IMAP), as a nation-wide, non-governmental, and not-for-profit institute, is dedicated to promoting public awareness of oceans and assisting the government in formulating marine policies, so as to safeguard the rights and interests of the Nation on the seas and foster the sustainable development of marine resources and ocean-related industries.

Cross-Boundary Management Education Foundation

The Cross-Boundary Management Education Foundation aims to promote public–private partnerships based on the spirit of cooperation and serve as a platform for public policy recommendation and exchanges.

South China Sea Think Tank

South China Sea Think Tank (SCSTT) is an independent, non-profit organization that promotes dialogue, research, and education on South China Sea issues. SCSTT is part of the Asia-Pacific Policy Research Association and is based in Taipei, Taiwan.

Asia-Pacific Policy Research Association

The Asia-Pacific Policy Research Association (APPRA) is an independent, non-profit organization promoting dialogue, research, and education about policies in the Asia-Pacific region.

Sponsors

XDL Capital Co., Ltd.

XDL Capital (興得利投資有限公司) is the best strategic partner for customers and is committed to providing professional, streamlined, comprehensive finance, asset management, and investment advisory services.

Franz Collection Inc.

Established in 2001, Franz Collection captured attention in the following year by receiving the "Best in Gift" award from the New York International Gift Show. Inheriting oriental aesthetics, the company has created modern porcelain art, bringing it into people's lives. With a unique style and continuous innovation, Franz Collection has more than 6000 points of sales worldwide,

delivering to the world the beauty of fusion art, natural harmony and elegant fashion.

PHYCOS International Co., Ltd.

PHYCOS International Co., Ltd., established by Mr. Paul S. P. Hsu in 2004, focuses on leveraging knowledge value chain including research and development, intellectual property, technology transfer and licensing, introduction of venture capital and capital markets, start-ups, and business sustainability. Via the cross-border networking among industry, government, academy and research institutes, PHYCOS expects to release Taiwan's energy to its maximum not only profit but also long-term development. To provide further services on intellectual property, PHYCOS Intellectual Property Office was established in 2010 for a comprehensive service within knowledge value chain.

Linda Liu

Linda Liu is the Vice President of the International Council of Women in Taiwan.

Conference Program

| Tuesday, August 29 (Venue: 2F, Shangri-La Ballroom) | |
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| 08:30-09:00 | Registration |
| 09:00-09:20 | <p><u>Welcome Remarks</u></p> <p>Fu-Kuo Liu (劉復國), Executive Director, Taiwan Center for Security Studies / Institute of International Relations, National Chengchi University, Taiwan (R.O.C.)</p> <p>Paul S. P. Hsu (徐小波), Chairman, Association of Emerging Market Studies, Taiwan (R.O.C.)</p> <p>Rockford Weitz, Professor, Fletcher School of Law and Diplomacy, Tufts University, USA</p> <p>Kuan-Hsiung Wang (王冠雄), Secretary General, Institute of Marine Affairs and Policy, Taiwan (R.O.C.)</p> <p>Fang Chang (張璠), Senior Consultant, XDL Capital Co., Ltd. , Taiwan (R.O.C.)</p> |
| 09:20-10:00 | <p><u>Keynote Speech:</u></p> <p><i>“Facilitating Maritime Cooperation: Challenges and Opportunities”</i></p> <p>Speaker: Admiral Richard Y. K. Chen (陳永康), Former Vice Minister, Ministry of National Defense, Taiwan (R.O.C.)</p> <p>Moderator: Linda Liu(劉怜君), Vice President, International Council of Women, Taiwan (R.O.C.)</p> |
| 10:00-10:30 | Coffee Break & Group Photo |
| 10:30-11:50 | <p><u>Session 1: Maritime Security and Geopolitics</u></p> <p>Moderator: Admiral Richard Y. K. Chen (陳永康), Former Vice Minister, Ministry of National Defense, Taiwan (R.O.C.)</p> <p>Speakers: Vijay Sakhuj, Director, National Maritime Foundation, India</p> <p>Laurence Lin (林文隆), Professor, Ming Chuan University, Taiwan (R.O.C.)</p> |

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| | <p>Rommel Banlaoi, Chairman, Philippine Institute for Peace, Violence and Terrorism Research, Philippines</p> <p>Discussant: Richard Hu (胡瑞舟), Deputy Executive director, Taiwan Center for Security Studies, Taiwan (R.O.C.)</p> |
| 11:50-13:20 | <p><u>Lunch Talk</u></p> <p><i>“Overview Taiwan Cruise Industry”</i></p> <p>Speaker: Ting-Yi Tsai (蔡丁義), Vice President, Taiwan International Ports Corporation, Ltd., Taiwan (R.O.C.)</p> <p>Moderator: Fu-Kuo Liu (劉復國), Executive Director, Taiwan Center for Security Studies / Institute of International Relations, National Chengchi University, Taiwan (R.O.C.)</p> |
| 13:20-14:40 | <p><u>Session 2: Global Maritime Governance</u></p> <p>Moderator: Sing-Hwa Hu (胡興華), Managing Director, Rural Development Foundation, Taiwan (R.O.C.)</p> <p>Speakers: John Burgess, Professor, Fletcher School of Law and Diplomacy, Tufts University, USA</p> <p>Leonard Hammer, Visiting Professor, University of Arizona, USA/Israel</p> <p>Kuan-Hsiung Wang (王冠雄), Professor, Graduate Institute of Political Science, National Taiwan Normal University, Taiwan (R.O.C.)</p> <p>Discussant: Yann-Huei Song (宋燕輝), Research Fellow, Institute of European and American Academia Sinica, Taiwan (R.O.C.)</p> |
| 14:40-14:50 | Coffee Break |
| 14:50-16:10 | <p><u>Session 3: Ocean Resources and Fishing</u></p> <p>Moderator: Jen-Chyuan Lee (李健全), Chair Professor, National Taiwan Ocean University, Taiwan (R.O.C.)</p> <p>Speakers: Steven Shyu(徐承堉), Founder, Upwelling Ocean Inc., Taiwan (R.O.C.)</p> |

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| | <p>Kwang-Ming Liu, (劉光明), Professor, Institute of Marine Affairs and Resources Management, National Taiwan Ocean University, Taiwan (R.O.C.)</p> <p>Ray Tsung-Han Tai (戴宗翰), Associate Professor, Law School, Shandong University, China/Taiwan (R.O.C.)</p> <p>Discussant: Peter Ho (何勝初), Advisor, Overseas Fisheries Development Council of Republic of China, Taiwan (R.O.C.)</p> |
| 16:10-16:20 | Coffee Break |
| 16:20-17:50 | <p><u>Session 4: Blue-Tech Innovation and Entrepreneurship</u></p> <p>Moderator: Samuel H. K. Wu (吳秀光), Vice Chairman, Ever Rich D.F.S. Corporation, Taiwan (R.O.C.)</p> <p>Speakers: Rockford Weitz, Professor, Fletcher School of Law and Diplomacy, Tufts University, USA</p> <p>Matt Merighi, Assistant Director, Fletcher School of Law and Diplomacy Maritime Studies Program, Tufts University, USA</p> <p>Manjeet Kripalani, Executive Director, Gateway House, India</p> <p>Yo Hao Chen (陳佑豪), Global Founder Chairman, Infrastructure Development Operation, Taiwan (R.O.C.)</p> <p>Discussant: Tai-Wen Hsu (許泰文), Vice President, National Taiwan Ocean University, Taiwan (R.O.C.)</p> <p>Sammy Su (蘇冬蘭), Low Carbon Initiative Director, The European Chamber of Commerce Taiwan, Taiwan (R.O.C.)</p> |
| <p>Wednesday, August 30</p> <p>(Venue: B1, East Gate)</p> | |
| 08:30-09:00 | Morning Coffee |
| 09:00-10:30 | <p><u>Session 5: Ocean Energy and Sustainable Economic Development</u></p> <p>Moderator: Ching-Ta Chuang(莊慶達), Dean, College of Maritime Industry, Taipei University of Marine Technology, Taiwan (R.O.C.)</p> <p>Speakers: Bobbi Kates-Garnick, Professor, Fletcher School of Law and Diplomacy, Tufts University, USA</p> |

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| | <p>Patrick Schena, Professor, Fletcher School of Law and Diplomacy, Tufts University, USA</p> <p>Jay Lee, Executive Director, National Geographic Foundation for Science & Exploration Asia, Korea</p> <p>Discussant: Chien Te Fan (范建得), Professor, National Tsing Hua University, Taiwan (R.O.C.)</p> |
| 10:30-10:50 | Coffee Break |
| 10:50-12:30 | <p><u>Session 6: Roundtable Discussion</u></p> <p>Moderator: Paul S. P. Hsu (徐小波), Chairman, Association of Emerging Market Studies, Taiwan (R.O.C.)</p> <p>Speakers: Rockford Weitz, Professor, Fletcher School of Law and Diplomacy, Tufts University, USA</p> <p>Pou Sothirak, Executive Director, Cambodian Institute for Cooperation and Peace, Cambodia</p> <p>Peter D. M. Chiang (江德敏), Founder, Hanaqua Tech Inc., Taiwan (R.O.C.)</p> <p>Mignonne Chan, (詹滿容), Director General, India Electronics and Semiconductor Association (Taipei Office) , Taiwan (R.O.C.)</p> <p>Francis Y. H. Kan (甘逸驊), Deputy Executive Director, Taiwan Center for Security Studies, Taiwan (R.O.C.)</p> |
| 12:30-13:00 | <p><u>Closing Remarks</u></p> <p>Fu-Kuo Liu (劉復國), Executive Director, Taiwan Center for Security Studies / Institute of International Relations, National Chengchi University, Taiwan (R.O.C.)</p> <p>Rockford Weitz, Professor, Fletcher School of Law and Diplomacy, Tufts University, USA</p> |
| 13:00-14:30 | Lunch |

Bios

Rommel C. Banlaoi

Rommel C. Banlaoi, PhD, is the Chairman of the Board of the Philippine Institute for Peace, Violence and Terrorism Research (PIPVTR) and Director of its Center for Intelligence and National Security Studies (CINSS). He is a Professorial Lecturer at the Department of International Studies, Miriam College and the Vice President of the Philippine Association for Chinese Studies (PACS). Dr. Banlaoi is a member of the International Panel of Expert of the Maritime Awareness Project (MAP) of National Bureau of Asian Research (NBR) and the Sasakawa USA Foundation, a member of the board of the China-Southeast Asia Research Center on the South China Sea (CSARC) Among his many publications include *Philippine Security in the Age of Terror* (New York: CRC Press/Taylor and Francis, Inc. 2010). He earned his PhD in International Relations at Jinan University, Guangzhou, China and finished his BA and MA in Political Science at the University of the Philippines, Diliman.

John A. Burgess

John A. Burgess, Professor of Practice and Executive Director of the LL.M. Program at the Fletcher School of Law and Diplomacy at Tufts University, teaches courses on international finance transactions, cross-border mergers and law of the sea. Prior to his retirement in 2013, Burgess practiced law at the global law firm of Wilmer Cutler Pickering Hale and Dorr for 37 years, and during that time chaired the firm's corporate and international practice groups. A graduate of Yale University (B.A. in history *summa cum laude*) and Harvard Law School (J.D. *cum laude*), he is a member of the Council on Foreign

Relations, a Fellow of Branford College at Yale University, and former President of the Massachusetts Foundation for the Humanities. Burgess has lectured at the University of Iowa and Peking University School of Transnational Law and is a permanent lecturer at St. Gallen University. He is co-editor of *Law of the Sea: A Policy Primer* prepared by the Fletcher LL.M. and Maritime Studies programs.

Mignonne Man-jung Chan (詹滿容)

Mignonne Man-jung Chan is the Director General of India Electronics and Semiconductor Association (IESA, Taipei Office), the Founder and CEO of Out-of-the-Box Consultancy, Senior Advisor to the Legislative Yuan, Independent Non-Executive Director of Standard Chartered Bank (Taiwan), and Adjunct Professor in the MBA Program at National Chengchi University. She previously served as Senior Advisor to the National Security Council, Member of Parliament and Co-Chair of the Judicial Committee in the Legislative Yuan, Director General of the International Secretariat in the Pacific Economic Cooperation Council (PECC), and Director (Research) in the International Secretariat of Asia-Pacific Economic Cooperation (APEC). She earned her Ph.D. in Political Economy from Boston University.

Fang Chang (張璠)

Mignonne Man-jung Chan is the Senior Consultant of XDL Capital Co., Ltd., Professor and Dean of College of Finance at Takming University of Science and Technology and Independent Director at BES Engineering Corporation Co., Ltd. He previously served as Political Deputy Minister in the Ministry of Finance, Director General in Urban and Rural Development Bureau at New Taipei City Government, Deputy Director General in National Property

Administration at Ministry of Finance, Senior Secretary in Department of National Defense Committee at the Legislative Yuan and Director of the Fifth Division in Industrial Development Bureau at Ministry of Economic Affairs. He earned his Ph.D. in Land Economics from National Chengchi University.

Richard Y. K. Chen (陳永康)

Admiral Richard Y. K. Chen is the former Vice Minister of the Ministry of National Defense of the Republic of China (Taiwan). Admiral Chen, a long-time naval officer who has studied at the U.S. Naval War College, is familiar with foreign affairs, foreign military weapons procurement, armed forces development and military education. While serving as Chief of Navy, he was a driving force for Taiwan's indigenous submarine program and was keen to push for the Navy's modernization.

Yo Hao Chen (陳佑豪)

Yo Hao Chen is the Global Founder Chairman of Infrastructure Development Operation. He is a graduate of Technology University Darmstadt, Germany, and National Taiwan University. His research has focused on infrastructure, renewable energy, transportation, and agriculture.

Peter Der-Min Chiang (江德敏)

Peter Der-Min Chiang is the Founder of Hanaqua based in Kaohsiung, Taiwan. He is also the Director of the Association of Emerging Market Studies, an Advisor to the Ministry of Education's Training Program on Innovation and Entrepreneurship of Biotechnology, and the Founder and Director of the Taiwan Marine Conservation and Monitoring Association.

Ching-Ta (Ted) Chuang (莊慶達)

Ching-Ta (Ted) Chuang is a Professor of the Department of Marine Leisure and Tourism and Dean of the College of Maritime Industry at the Taipei University of Marine Technology. He is also honored Professor Emeritus of the Institute of Marine Affairs and Resource Management at the National Taiwan Ocean University (NTOU). After earning his B.S. degree in Agricultural Economics (1984) at the National Taiwan University, he granted his M.S. degree in Agricultural and Resource Economics at the University of Nebraska-Lincoln (1988) and Ph.D. degree in Economics (1992) from the North Carolina State University. He was served as Director of Institute of Fisheries Economics, Institute of Applied Economics and Institute of Marine Affairs and Resource Management, Division of Academic Exchange & Cooperation, Center of Innovation & Incubator, and Dean of Student Affairs office and School's Guidance Counselor at the NTOU. He was honored as a Fulbright scholar visited the University of Delaware and University of Rhode Island, USA; and the Yoneyama scholar visited the Kagoshima University, Japan. He was honored as the "The Outstanding Teacher and Outstanding Industrial Researcher of the Year by the NTOU, and "The Outstanding Agriculturist of the Year" by Council of Agriculture, Executive Yuan as well as "The Outstanding Extension Professor" by Taiwan Agricultural Extension Association.

Chien Te Fan (范建得)

Chien Te Fan is an Associate Professor and the director of Institute of Science and Technology at National Tsing Hua University in Taiwan. He has research expertise related to fair trade acts, biotechnology, and energy and natural resources acts.

Leonard Hammer

Dr. Leonard Hammer has been researching and lecturing in Israel (among other places) for 20 years, principally at the Hebrew University's Rothberg School. Currently, he also is the Stein Visiting Professor in Modern Israel Studies and the Director of Outreach and Development of the online MA in Human Rights at the University of Arizona. His field of research is principally within international law and international human rights and he has published numerous books and articles in these areas.

Peter S. C. Ho (何勝初)

Peter S. C. Ho is an Advisor to and former President of the Overseas Fisheries Development Council of the Republic of China, a Board Member of the Institute of Marine Affairs and Policy in Taiwan, and the Executive Secretary of the Taiwan Tuna Fishery Development Foundation. During his career, he has been involved in international and bilateral fisheries agreement negotiations and fisheries management and policy.

Paul S. P. Hsu (徐小波)

Widely recognized as an expert in cross-border economic and commercial transactions, Paul S. P. Hsu's specialty practice areas include corporate strategic planning, Asia Pacific regional economic cooperation, intellectual property rights, and financial services. He also participates actively in international exchange, public policy, non-profit organization and Asia Pacific regional activities, such as APEC, as well as the activities of WTO and OECD within the region. His current positions include Chairman and CEO of PHYCOS International Co., Ltd.; Managing Partner of PHYCOS Intellectual Property Office; Founding Chairman of the Epoch Foundation; Chairman of Suzhou

Yifu Leasing Group; Chairman of the Association of Emerging Markets Studies; Chairman of the Asia-Pacific Cultural Creative Industry Association; Member of the Fletcher Board of Advisors, the Fletcher School of Law and Diplomacy, Tufts University; Member of MIT Computer Science and Artificial Intelligence Laboratory (CSAIL) Advisory Board; and Executive Committee Member of the LES Chinese Taipei. He is an adjunct professor at the National Chengchi University, teaching the executive MBA course of “Innovative Business Model & New Venture” Seminar. He formerly served as a Senior Partner of Lee & Li, an adjunct professor of law at the National Taiwan University as well as a member of the MIT Sloan Asian Executive Board. He received an LL.B. from National Taiwan University, an M.A. from Fletcher School of Law and Diplomacy of Tufts University, and an LL.M. from New York University School of Law.

Tai-Wen Hsu (許泰文)

Professor Tai-Wen Hsu is a Chair Professor of National Cheng Kung University (NCKU), Taiwan, since 2016. He is also served as the Vice President and Dean of Research and Development of National Taiwan Ocean University (NTOU) in 2016. From 1990 to 2016, Prof. Hsu has published more than 100 SCI papers, 15 book/book chapters. He has made through in the numerical simulation of wave generation and transformation in the ocean using EEMSE (evolution equation of mild-slope equation) and WWM (wind wave model). In recent years, he is also devoted to the research and development of ocean energy. He is a Director of Research Center for Ocean Energy and strategies of NTOU during 2012-2016. He also serves as the Director of Bridging of communication of NEP II (Nation Energy Program of the 2nd phase). Prof. Hsu performs remarkable achievements in coast and ocean

engineering and gas obtained excellent research awards of MOST (Ministry of Science and Technology) in 2007; 2010; 2013.

Richard Hu (胡瑞舟)

Juichou Richard Hu is Deputy Executive Director at the Taiwan Center for Security Studies (TCSS) and Research Fellow at Society for Strategic Studies (SSS), ROC. He is also an adjunct professor of strategic studies and public policy analysis at National Chengchi University and National Defense University, respectively. Before coming to TCSS in 2013, he was for 33 years a military officer. A retired major general in the ROC Army, during his military career he served including at National Defense University, the Eighth Army, Army Aviation and Special Forces Command, and ROC Military Academy. His research interests and key publications are in the areas of security and strategic studies, public policy studies, defense policy and management, global and regional security affairs, PLA studies, and cross-strait relations. Richard Hu was a visiting fellow at the Royal United Services Institute for Defence and Security Studies (RUSI), United Kingdom. He received a Ph.D. in Political Science from the State University of New York at Albany, USA.

Sing-Hwa Hu (胡興華)

Sing-Hwa Hu is the Managing Director of the Rural Development Foundation in Taiwan. He has experience as a Technician at the Penghu Branch of the Fisheries Experimental Office, Deputy Director of the Agriculture and Forestry Department, Director of the Fisheries Department, Director of Asia Pacific Food and Fertilizer Technology Center, and Vice Chairman of the Executive Yuan Agricultural Committee. He is a specialist in the fields of agriculture and

fisheries policy, aquaculture, fishery history and culture, fishery organization, and fisherman welfare.

Francis Y. H. Kan (甘逸驊)

Francis Yi-hua Kan served as Senior Advisor at the National Security Council, Republic of China (Taiwan) from 2012 to 2014. He is currently associate research fellow at the Institute of International Relations, and adjunct associate professor at the Department of Diplomacy, National Chengchi University in Taiwan. He is also deputy CEO of both Taiwan's Association of Emerging Markets Studies and Taiwan Centre for Security Studies. He was previously secretary-general of the Association of International Relations, ROC, and deputy director-general of the European Union Centre in Taiwan, established by the European Commission in January 2009. Dr. Kan received his Ph.D. in International Studies from the University of Cambridge, the United Kingdom. He was a visiting fellow at the Yale Center for International and Area Studies, Yale University in the United States. He has broad academic interests and publications covering regional co-operation and integration, regional security in East Asia, regional conflicts and resolutions, European integration, regionalism, European security, NATO, security studies (both conventional and human security), Europe-Asia interregionalism, British politics, cross-Taiwan Strait relations, and globalisation.

Barbara Kates-Garnick

Barbara Kates-Garnick Ph.D. is currently a professor of practice at the Fletcher School of Tufts University and senior research fellow at the school's Center for International Environment and Resources Policy (CIERP). At Fletcher, Dr. Kates-Garnick teaches courses on energy policy, energy finance and innovation.

Dr. Kates-Garnick recently served as Undersecretary of Energy for the Commonwealth of Massachusetts, a state that is number one in energy efficiency and a national leader in clean technology. Her prior work in public service included Commissioner of Public Utilities and Assistant Secretary of Consumer Affairs, where she helped set the groundwork for the state's commitment to energy efficiency. As Vice President of Corporate Affairs at KeySpan, Dr. Kates-Garnick directed government and media relations, crisis communications and operations support in New England and community outreach corporate wide. Dr. Kates-Garnick served as a consultant to NYU-Poly in several capacities. She conceived of and developed the proposal for the New York City Accelerator for Clean and Renewable Energy (NYC ACRE), originally a \$1.5 million clean tech incubator, advised on the development of partnerships and research grants, and served as an adjunct professor. She was also part of the founding team of New Energy, which sold the first deregulated electricity in the US. The Office of the U.S. Secretary of Energy has appointed Dr. Kates-Garnick to serve as an ambassador to 3CE, a global initiative that promotes women in clean energy through the creation of role models and champions to enhance their visibility and success in energy careers.

Manjeet Kripalani

Manjeet Kripalani is the co-founder of Gateway House: Indian Council on Global Relations, and acts as the executive director of the institution. Prior to the founding of Gateway House, Kripalani was India Bureau chief of *Businessweek* magazine from 1996 to 2009. During her extensive career in journalism (*Businessweek*, *Worth* and *Forbes* magazines, New York), she has won several awards, including the Gerald Loeb Award, the George Polk Award, Overseas Press Club and Daniel Pearl Awards. Kripalani was the 2006-07 Edward R. Murrow Press Fellow at the Council on Foreign Relations, New

York, which inspired her to found Gateway House. Her political career spans being the deputy press secretary to Steve Forbes during his first run in 1995-96 as Republican candidate for U.S. President in New Jersey, to being press secretary for the Lok Sabha campaign for independent candidate Meera Sanyal in 2008 and 2014 in Mumbai. Kripalani holds two bachelor's degrees from Bombay University (Bachelor of Law, Bachelor of Arts in English and History) and a master's degree in International Affairs from Columbia University, New York. She is a member of the Asian advisory board of the International Centre for Journalists and the Overseas Press Club, and sits on the executive board of Gateway House, the Indian Liberal Group and Emancipation, all of which are non-profit organizations.

Jay Lee

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Matthew is also Assistant Director of the Maritime Studies Program (MSP) at the Fletcher School of Law and Diplomacy at Tufts University. A graduate of the Fletcher School's Master of Arts in Law and Diplomacy program, he now oversees MSP's curriculum development, fundraising, and programming.

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Vijay Sakhuja is former Director, National Maritime Foundation, New Delhi, Visiting Professor and Senior Fellow Gujarat National Law University, India, and visiting Senior Research Fellow, Institute of Southeast Asian Studies (ISEAS), Singapore. He has also been on the research faculty of a number of think tanks: Director (Research), Indian Council of World Affairs (ICWA);

Senior Fellow, Centre for Airpower Studies (CAPS) and Observer Research Foundation (ORF); Research Fellow at the Institute for Defence Studies and Analyses (IDSA), and United Service Institution of India (USI). A former navy officer, Dr Vijay Sakhuja received his MPhil and PhD degrees from the Jawaharlal Nehru University in New Delhi. Dr Sakhuja has published over 30 books, edited volumes and monograph on international relations, geopolitics, maritime security, maritime history and the Arctic. He is author of '*Asian Maritime Power in the 21st Century: Strategic Transactions - China, India, Southeast Asia*'; '*Confidence Building from the Sea: An Indian Initiative*'; '*Southeast Asian Navies and Regional Maritime Dynamics* (forthcoming); co-author of '*Climate Change and the Bay of Bengal: Evolving Geographies of Fear and Hope*'; His recent academic works are *Asia and the Arctic: Narratives, Perspectives and Policies* (2016), *Perspectives on Blue Economy* (2017) and *The Blue Economy: Concept, Constituents and Development* (2017). Dr Vijay Sakhuja is member of the international editorial board of Journal of Indian Ocean Region (Taylor & Francis).

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Abstracts

Session 1: Maritime Security and Geopolitics

Politics of Maritime Security

Vijay Sakhuja, Director, National Maritime Foundation, India

The contemporary discourse on maritime security emerges in the backdrop of globalization predicated on seaborne trade which underpins interdependence and global economic growth through a complex web of trans-oceanic supply chains. However, the sea-based global network is vulnerable to a variety of threats and challenges arising from contested boundaries, different interpretation of the 1982 Law of the Sea, economic sanctions, nature driven disruptions, transnational criminal activities and asymmetric and violent non-state actors. Amid these challenges, the seas offer opportunities though resources and services which contribute to national economies. States have acknowledged the critical necessity to harness sea based resources in a sustainable manner and endorsed the concept of Blue Economy which is currently resonating in the United Nations, multilateral institutions, and national policy articulations. Blue Economy partnerships are for the collective good of any region and offer new opportunities for cooperation agendas.

Maritime Security and Geo-Politics: The Dialogue between ‘Vital Interests’ and ‘Core Interests’ amid the Game of Throne in the Pacific Century

Laurence Lin, Professor, Ming Chuan University

The fate of states and people in Asia and Indo-Pacific are inextricably tied with the fundamental national interests of maritime hegemon America and seafaring China, both of which are deeply trapped in strategic distrust because of concerns on power transition. Seapower competition and cooperation between the two powers may decide which country claims the throne of the Pacific century. Scrutiny of the link between maritime security and geo-politics reveals that the liberal idea of ‘maritime security’ may be exploited to serve national agenda. Therefore, as seapower competition and cooperation unfolds, the struggle between ‘core interests’ and ‘vital interests’ cascades into the rationale of ‘hegemonic stability’ versus compelled ‘hegemonic war’ at the national policy level, the following ‘strategic rebalancing’ versus ‘frictional rise’ at the national strategy level, and the following JAM-GC versus A2/AD at the operational strategy level. The prospect of regional peace and stability is gruesome when Beijing’s increasing assertiveness is answered by Washington’s equally increasing opposition. Deep introspection is urged to avoid a hegemonic war in the name of maritime security amid the Game of Throne in the Pacific century.

Keywords: power transition; seapower; sea control; liberal interventionism; strategic rebalancing; frictional rise

Challenges in Facilitating Maritime Security Cooperation in the Post-Arbitration South China Sea Geopolitical Environment

Rommel C. Banlaoi, Chairman, Philippine Institute for Peace,
Violence and Terrorism Research

Despite occasional security tensions in the South China, the over-all security situation in the disputed area currently enjoys a moment of relative calm. This creates a sense of regional stability resulting from positive developments in China's bilateral relations with claimants, particularly with the Philippines that earlier initiated the international arbitration case. These positive developments arguably facilitate maritime security cooperation among littoral states in the South China Sea.

However, this moment can be a calm before a storm as the post-arbitration geopolitical environment in the South China Sea continues to confront the following challenges: 1) Unilateral activities of claimants; 2) Involvements of extra-regional powers; 3) Concerns regarding the legal bearing of the international arbitration decision; and, 4) Issues associated with the implementation of the DOC (Declaration on the Conduct of Parties in the South China Sea) and the conclusion of the COC (Code of Conduct in the South China Sea). Surmounting these challenges are essential for long-term stability in the South China Sea.

Session 2: Global Maritime Governance

The Limits of Law and Maritime Governance: A Tale of Two Seas

John A. Burgess, Professor, Fletcher School of Law and Diplomacy,
Tufts University

My discussion will focus on the different roles and application of law in the Arctic Ocean and the South China Sea. In the Arctic, the key participating states have explicitly declared that the United Nations Convention on the Law of the Sea will govern disputes and maritime relationships among them. Consistent with the Convention's provision for flexible resolution of delimitation disputes, most maritime boundaries have been resolved by bilateral agreement. While significant and overlapping claims in the extended continental shelf have been asserted, all were made within the broad parameters of the Convention, and no state has challenged the authority of the Commission on the Limits of the Continental Shelf to evaluate or request revision of asserted claims. While there are regional rivalries, and in a few cases deep geopolitical divisions, the primacy of UNCLOS as a source of peaceful governance in the Arctic goes unchallenged. This has on occasion led commentators to suggest that the Arctic might be a model for the South China Sea, both institutionally (through creation of a regional Council) or substantively, through state acceptance of UNCLOS as the basis of maritime governance. Despite ASEAN's commitment to adopt a SCS Code of Conduct in 2002, this vision has never been realized, and there is no consensus regarding how UNCLOS applies to key regional issues. Of course, some of this is attributable to the different geographic and climatic features of the two seas – current Arctic conditions significantly limit both

commercial and military activities in the region, which in turn reduces sources of dispute between states.

But the difference is also attributable to a number of factors that create specific limitations on the application of UNCLOS as a basis for governance in the South China Sea, including:

- Adherence by the dominant player to indeterminate sovereign rights under the nine-dash line -- rights clearly at odds with the UNCLOS regime and impossible to reconcile with the interests of other states
- The inability of the law of the sea to address issues of territorial sovereignty, which limit its effective application to solve delimitation disputes in a sea rich in disputed maritime features
- The challenges posed by adversarial proceedings like the Philippines arbitration. While it is one tool available to weaker states in the region, the arbitration raised several fundamental issues, including:
 - The panel's need to reach some questionable conclusions to preserve jurisdiction, calling its credibility into question, and
 - The ultimate question of coercion in the international context – how to enforce a ruling once made

All of which underscores the key difference between the two seas – not their climate, but the divergent views of the key states in each region regarding whether, and to what degree, the rule of law furthers their interests or not.

The potential socialization of maritime global governance

Leonard Hammer, Visiting Professor, University of Arizona, USA

The existing structures for upholding maritime governance appear problematic. Granted some international institutions and frameworks assist like the LOS Tribunal and the 2015 decision on flag state responsibility The ISA and IMO also attempt to provide forms of governance (where they can) and additional avenues exist as well.

Yet, serious implementation matters and dire environmental circumstances persist. Control mechanisms are mainly in the hands of national and local governments or outmoded international organizations. They are up against extremely powerful economic intermediaries engaged in exploitation, driven by strong demand from export markets. And all are subject to (and even involved in) corrupt and illegal activities that current rules and norms do not adequately address.

The presentation shall look for the ways and means by which maritime policy can create a dynamic stability, allowing for a continuous flow of changing conduct. Marine governance is constantly shifting and changing due to a host of processes that will in turn influence and shape policy. Governance of such processes would require structural alteration as well as temporal accountability.

Utilizing a form of socialization of the maritime governance framework, it would be worth emphasizing partnership models that incorporate both private and public actors – e.g., market based bodies with civil society actors who might then inform and direct state action. Incorporate as well a wider range of stakeholders like media, politicians, interest groups, and consumers who can create and activate a development and application of standards that can result in instruments and infrastructures that combine different interests (like economic

and environment). And engage new technologies to inform and adapt governance methods in a more effective manner.

Governance through Legal Measures: A Review on RFMOs and the Development of High Seas Fisheries Regulations

Dustin Kuan-Hsiung Wang, Secretary General, Institute of Marine Affairs and Policy

Marine fisheries represent a vital component of the world's economy, environment, marine ecosystem and livelihoods to tens of millions of people. However, in recent years, overwhelming evidence shows that these valuable marine assets are in danger of depletion due to over-exploitation and illegal fishing activities. It is indicated by many researches that the global marine fishery is still forgoing substantial economic benefits each year due to inappropriate management measures. It is estimated that the world's oceans would only reach a healthy condition by 2050 if fisheries reform around the world were sustained moderately, or the collapse of ecosystem would be unavoidable.

Recognizing the possible crisis of fishery resources, the international community has been trying to address the problem in a variety of ways aimed at combating or deterring the expansion of illegal fishing activities, such as IUU. The establishment of certain regional fisheries management organizations (RFMOs) and those decisions/resolutions made by these bodies have played an important role in stabilizing the drastic changing situation. Apart from this, RFMOs are also platforms for facilitating cooperation on shaping conservation and management measures between fishing countries and coastal states. This paper is going to review and analyze the interaction between RFMOs and the

forming of related developments of high seas fishery regulations. Moreover, the effectiveness of RFMOs will also be assessed.

Keywords: RFMOs, IUU, IATTC, WCPFC, UNCLOS, UNFSA

Session 3: Ocean Resources and Fishing

Looking for fishing dispute resolutions and cross-national cooperation in Asian countries

Steven C-Y Shyu, Upwelling Ocean Inc. and Responsible Fisheries Index, and Yung-Song Chen, Department of Biotechnology and Animal Science, National Ilan University

Marine resources are characterized by their renewable common property, hence the critical tool lies on its management strategy. However, not only a serious lack of awareness on the dynamic balance of marine resources but also lack of control and often act violently, all resulting in the failure of marine resources management and lead to more intense competition and eventually the worse vicious circle.

Marine resources while facing crises still play an important role on food supply and food security, so some important issues to be dealt with when confront with Asia's maritime disputes as following:

1. Develop herbivore-based aquaculture to ease the pressure on capture fisheries
2. Develop management strategies on abundance-based fisheries for the high seas and highly migratory species

3. Establish more marine protected areas (MPA) for military and political disputed waters, convert the conflict into cooperation
4. Strict regulations on managing sensitive trade in vulnerable marine species
5. Reducing fisheries subsidies and fishing efforts
6. Transparent trade mechanism to avoid money washing and other IUU conducts
7. Strengthen the education and exchange of maritime industry
8. Cooperate to develop recreational fisheries and other marine tourism industries to maintain the livelihoods in fishing villages

Fishery Cooperation over Overlapping Maritime Zone: A Case Study of Barents Sea

Ray Tsung-Han Tai, Associate Professor, School of Law, Shandong University

This paper resolves to determine what mechanism accounts for the success in fishery dispute resolution seen in the Barents Sea in an attempt to enlighten this same success into the case of the South China Sea (SCS), especially focus on bilateral relations between China and Philippine. The terms and concepts “Joint Fishery Committee (JFC),” “Provisional Measure Zone (PMZ)” and “Politically Oriented Negotiation (PON)”, first developed by Russia and Norway for use in the Barents Sea, can all be understood as a set of mechanisms or tools for resolving disputes in and between fisheries and transforming them into cooperation between and among fisheries, and will be thoroughly analyzed by this paper.

Further, conservation and fishery management could be the starting point for joint cooperation between China and Philippine in the SCS, and could have a “spill over effect” into other areas of cooperation. Before this can occur, however, disputants must achieve the political will necessary to establish interim “provisional arrangements”, such as establishing provisional parallel jurisdiction zones around Scarborough Shoal maritime zone. This can only be achieved if two States make a sincere attempt at garnering a sense of mutual trust and community in the region. When these challenges have been overcome, China and Philippine can finally proceed towards establishing potential functioning dispute resolution mechanisms in the dispute maritime zone in the SCS.

Keywords: Barents Sea, Grey Zone, Joint Fishery Committee, Provisional arrangement, Provisional Measure Zone

Session 4: Blue-Tech Innovation and Entrepreneurship

Lessons Learned for Blue-Tech Entrepreneurship

Matthew Merighi, Assistant Director, Fletcher School of Law and Diplomacy Maritime Studies Program, Tufts University

Blue Technology (Blue-Tech) innovation and entrepreneurship are crucial for the enduring success of maritime industries. Despite their central role in the global economy, maritime industries remain under-innovated and few entrepreneurial ventures have a maritime focus. This situation stems from two factors: 1) the bifurcation of entrepreneurial ecosystems from communities with

expertise in maritime industries and 2) a lack of financial institutions which pursue investments in the maritime sector. Using original research and the presenter's personal experience in blue-tech entrepreneurial ventures, this presentation will examine the underlying trends which hamper Blue-Tech innovation, the changing circumstances which will improve Blue-Tech ventures' success, and examine models of blue-tech clusters which are trying to channel these new opportunities. It will conclude with practical advice for the industries, governments, and financial institutions to take to promote the sector.

Carbon (Emission)-Free Islands

Yo Hao Chen, Global Founder Chairman, Infrastructure
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With sustainable operation system of supply, transport, storage and consumption of renewable energy from proper resources, we created and built up the world first and best carbon emission free power supply and transportation system for islands and isolated villages. It represents a milestone for balancing of quality of life and environmental protection.

Session 5: Ocean Energy and Sustainable Economic Development

Development of Offshore Energy Resources: Creating an Integrated Approach for Economic Development, Energy, and Environmental Needs

Barbara Kates-Garnick, Professor, Fletcher School of Law and Diplomacy, Tufts University

Successful development of offshore resources into a sustainable system that satisfies energy, economic development and environmental needs requires an integrated policy approach. Taken separately, each component raises a set of complex issues that can conflict and result in less than satisfactory outcomes. However, when approached in an integrated and more wholistic manner so that multiple stakeholders understand the tradeoffs, the time frames, the costs and benefits entailed in the development process, there is more likelihood of a successful outcome. Massachusetts, a progressive state in terms of United States energy policy on renewables and a track record of support for offshore energy provides multiple lessons learned. My presentation will focus on how energy policy and regulatory policy in New England, and Massachusetts, has enhanced the opportunities for offshore resource development and provides a potential framework, for future development that can be useful for decision makers in Taiwan. The context will include the framework for renewable energy policies, grid and energy delivery issues, and the promotion of economic development.

Protect the Ocean's Wildlife and Wild places

Jay Lee, Executive Director, National Geographic Society - Asia

The ocean. It covers 70 percent of our planet and shelters an incredible diversity of life. It gives us food, jobs, and more than half the oxygen we breathe. But we're taking too many fish out of the ocean, polluting it, and making it warmer and more acidic. In the history of 129 years, National Geographic launched various projects to explore and help save the last wild places in the ocean.

These unique ecosystems are a window into the past, revealing what the ocean looked like before overfishing and pollution took their toll. It is essential that we let the world know that these places exist, that they are threatened, and that help is needed to protect them. With the expansion of the National Geographic Grants Programs in Asia, we fund Asian scientist, conservationists, educators, explorers, and change makers to continue the mission in Asia.

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| 陳永康 Admiral Richard Y. K. Chen | Former Vice Minister, Ministry of National Defense |
| 陳佑豪 Yo Hao Chen | Global Founder Chairman, Infrastructure Development Operation |
| 陳柱龍 Chu Lung Chen | Executive Director, Institute of Marine Affairs and Policy(IMAP) |
| 陳慧宜 Huey-Yi Chen | Manager, Marketing and Logistics Dept., Taiwan International Ports Corp. |
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| 黃基禎 Ji-Jen Hwang | Assistant Professor & Program Director, International Master Program in Strategic Studies at the NDU |

| 姓名 / Name | 單位 / Affiliation |
|--------------------------|--|
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| 劉復國 Fu-Kuo Liu | Executive Director, Taiwan Center for Security Studies |
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| 謝祖松 Tsu-Sung Hsieh | Professor, Ming Chuan University |
| 蘇冬蘭 Sammy Su | Low Carbon Initiative Director, The European Chamber of Commerce Taiwan |
| 蘇寂菀 Chi-Wan Su | Associate Administrator, Marketing and Logistics Dept., Taiwan International Ports Corp. |

Conference Details

Conference Venues

Aug. 29 **2F** 香格里拉宴會廳 / Shangri-La Ballroom

Aug. 30 **B1** 怡東園 / East Gate

遠東香格里拉飯店 / Shangri-La's Far Eastern Plaza Hotel

+886 2 2378 8888

台北市敦化南路二段 201 號 / 201 Tun Hwa South Rd. Sec.2, Taipei

Conference Attire

Semi-formal or formal attire is recommended for all participants in the conference.

Presentation Timing

Timing for conference participants will be allotted as follows:

Speakers: 10~15 minutes

Discussants: 10 minutes

Conference Secretariat

鄧書元 Shu Yuan Tang

戴孝君 Hsiao Chun Tai

李近蘭 Jill Li

張維真 Elsie Chang

王繼舜 Luke Wang

錫東岳 Jonathan Spangler

歐莉亞 Olga Daksueva

黎毓 Lily Yu Li

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