

RGC Ref. No.: UGC/IIDS14/B03/19 <hr/> (please insert ref. above)
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**RESEARCH GRANTS COUNCIL
COMPETITIVE RESEARCH FUNDING SCHEMES FOR
THE LOCAL SELF-FINANCING DEGREE SECTOR**

INTER-INSTITUTIONAL DEVELOPMENT SCHEME (IIDS)

Completion Report
(for completed projects only)

<p><u>Submission Deadlines:</u> 1. The unspent balance, if applicable, and auditor's report: within six months of the approved project completion date. 2. Completion report: within 12 months of the approved project completion date.</p>
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Part A: The Project and Investigator(s)

1. Project Title

Cybersecurity: risk management from advanced technology to law and insurance for
maritime and aviation logistics operations

2. Investigator(s) and Academic Department(s) / Unit(s) Involved

Research Team	Name / Post	Unit / Department / Institution
Principal Investigator	Dr WONG Yin Cheung, Eugene / Associate Professor	Department of Supply Chain and Information Management, The Hang Seng University of Hong Kong
Co-Principal Investigator	Dr CHEN Gengzhao, Linsey / BBA-CG Associate Programme Director, Assistant Professor	Department of Accountancy, The Hang Seng University of Hong Kong
Co-Principal Investigator	Dr LUI Chit-ying, Wendy / Assistant Professor, Department Head	Department of Law and Business, Hong Kong Shue Yan University
Co-Investigator	Dr. CHAN W.H., Felix / Associate Professor	Faculty of Law, The University of Hong Kong
Co-Investigator	Mr. YEUNG, C.K., Jacky / Lecturer	Faculty of Law, The University of Hong Kong
Co-Investigator	Mr. FONG Shiu Man, David / Barrister-at-Law (Hong Kong)	Harcourt Chambers
Others	N/A	N/A

3. Project Duration

	Original	Revised	Date of RGC / Institution Approval (must be quoted)
Project Start Date	1 January 2020	N/A	
Project Completion Date	31 December 2020	30 June 2021	17 April 2020
Duration (in month)	12 months	18 months	17 April 2020
Deadline for Submission of Completion Report	31 December 2021	30 June 2022	17 April 2020

4.4 Please attach photo(s) of acknowledgement of RGC-funded activities.

Figure 1. Acknowledgement in research workshop forum



Figure 2. Acknowledgement in poster of Research Workshop Forum



IAME 2020 Conference – Industry Session Forum

Risk Management and Maritime Cybersecurity for Sustainable Development of Shipping and Trade

Date Friday, 12 June 2020
Time 5:30pm - 7:30pm HKT
Venue Online via Zoom

Enrollment link: [HERE](#)

Modulator

- Prof Lawrence Lee, Professor (Practice), The Hang Seng University of Hong Kong

Speakers

- ❖ Risk Management for Shipping and Trade under the Dynamics Impact of Pandemic and Cyber Attack
 - Mr. Philip Cheng, General Manager, Trade and Sales (HK, South China and Taiwan), Mediterranean Shipping Company (HK)
- ❖ Maritime Cyber-Security: A Critical Review and Future Research Opportunities
 - Prof. Qiang Meng, Professor, National University of Singapore
- ❖ Cybersecurity Strategies and Innovations for Maritime Logistics
 - Dr Ricci Jeong, Vice-Chairman, Cloud Security Alliance (HK and Macau Chapter)
- ❖ Maritime Cybersecurity and International Law
 - Dr Saiful Karim, Associate Professor, Queensland University of Technology
- ❖ Understanding Cyber Risk Transfer for Maritime and Logistics
 - Mr Rory Young, Assistant Vice President, Global Cyber and Technology, Global Professional and Financial Risks, Lockton Companies (Hong Kong)

Registration:

- Click [HERE](#)
- Hyperlink: <https://forms.gle/7g679nxask6Sxt5m7>
- ❖ Enrollment will be in a first-come-first-served basis.
- ❖ Zoom Login link will be provided upon successful registration.
- ❖ For enquiries: Ms. Joey Cheung [joeycheung@hsu.edu.hk; (852) 3963-5647]
 Dr. Linsey Cheng [lengzhaochen@hsu.edu.hk; (852) 3963-5585]
 Dr. Eugene Wong [eugenewong@hsu.edu.hk; (852) 3963-5355]

Organisers

The Hong Kong Seng University of Hong Kong, The University of Hong Kong, SRC

Supporting Organisations

The International Maritime Organization, IISE, HK-E, Hong Kong Maritime & Air Transport Security Association, HOSITA

The seminar is supported by a grant from the Research Grant Council of the HKSAR, China (UGC/IIDS14/B03/19).

Supporting organisations are displayed in alphabetical order.

Figure 3. Acknowledgement in the poster of Plenary Forum

10th Asian Logistics, Maritime and Aviation Conference
Closing Plenary Forum

ALMAC 10th Asian Logistics, Maritime and Aviation Conference
 18 Nov 2020 (Wed) • 4:00pm - 5:30pm HKT • ALMAC Online platform

Keynote Address
World Trade Organisation Outlook for Charting Recovery
 Keynote Speaker

Dr. Yonov Frederick AGAH
 Deputy Director - General, WTO

Closing Plenary
Leading through new paradigm of global logistics risks under uncertain trading landscape and cyber disruptions

Maritime and Logistics

Closing Plenary Speakers

Dr. Jan HOFFMANN
 Chief, Trade Logistics Branch, UNCTAD

Mr. Kenny YE
 CEO, OOCL Logistics, COO, OOCL

Mr. Christopher CHAN
 Partner and Hong Kong Head of Shipping, Offshore and Logistics, HFW

Moderator

Mr. Fox CHU
 Partner, McKinsey

Trade and Freight Forwarding

Closing Plenary Speakers

Dr. Yonov Frederick AGAH
 Deputy Director - General, WTO

Mr. Mathieu Renard BIRON
 Managing Director, Global Freight Forwarding, Kerry Logistics

Mr. Stone HO
 Group VP, Apex Logistics International

Organisers



In collaboration with



With the support of



Enrollment

Enquiry contact

Hotline
 (852) 3963-5647

The forum is supported by a grant from the Research Grant Council of the HKSAR, China (UGC/IIDS14/B03/19).

Figure 4. Acknowledgement in the poster of an additional seminar #1 held on 5 March 2020

**SEMINAR ON
CHALLENGES AND OPPORTUNITIES OF
ARBITRATION AND MEDIATION IN HONG KONG**

Date 5 March 2020
Time 2:00pm - 3:40pm
Venue Online via Zoom

(1) Recent legal needs on risk management in supply chain
➤ *Mr. David Fong, Vice Chairman, Chartered Institute of Arbitrators (East Asia Branch)*

(2) Introduction to Maritime Arbitration and Discussion on Two Reported Cases and Related Considerations for Risks Management
➤ *Mr. Danny Mok, Council Member, Hong Kong International Arbitration Centre (HKIAC)*

(3) Latest arbitration developments in Hong Kong and at HKIAC
➤ *Ms. Chrystal Choy, Deputy Counsel, HKIAC*

For enquiries: scm@hsu.edu.hk

Organisers

香港恒生大學
THE HONG KONG UNIVERSITY
OF APPLIED SCIENCES

香港樹仁大學
HONG KONG SATE YAN UNIVERSITY

香港大學
THE UNIVERSITY OF HONG KONG

The seminar is supported by a grant from the Research Grant Council of the HKSAR, China (UGC/IIDS14/B03/19).

Figure 5. Acknowledgement in the poster of an additional seminar #2 held on 23 April 2020

SEMINAR
COVID-19 OUTBREAK: IMPACT ON SUPPLY CHAIN AND LOGISTICS - BUSINESS, OPERATIONS, LEGAL AND CYBER-SECURITY RISK

Date 23 April 2020
Time 1:45pm Login; 2:00pm - 4:00pm Talk
Venue Online via Zoom

(1) Supply chain and aviation logistics under COVID-19 outbreak - impact and outlook

➤ *Mr. Cliff Sullivan, Immediate-past Chairman, Hongkong Association of Freight Forwarding and Logistics*

Mr Cliff Sullivan has over 30 years of experience in logistics, air freight and supply chain. He held management positions in various companies, including SVP, in Global Freight Management of LF Logistics, SVP in A-Sonic Logistics Corporation, Director and Group GM in Kerry Logistics, and VP Air Freight in Jardine Logistics. He is the immediate past Chairman of HAFFA. He is also actively contributing to the industry and education sector. He is recently also serving in The University of Hong Kong in an academic role.

(2) Legal risk and liabilities under the impact of COVID-19 on supply chain and logistics

➤ *Ms. Joanne Waters, Senior Associate, HFW*

Ms Joanne Waters is a Senior Associate at HFW. She has substantial experience in working on the Shipping Group dealing with shipping litigation and related admiralty, logistics and non-contentious work, including regulatory and compliance issues for international clients, including ship owners, charterers, freight forwarders and P&I Clubs on cases involving English court and international arbitration proceedings. She deals with general commercial litigation issues such as defaults under international sale contracts, debt recovery and international insolvencies. She is keen on legal research on Belt and Road Initiatives and trade facilitation and provides talks to universities and logistics associations.

Registration Link 

Zoom Login link will be provided upon successful registration.
 For enquiries: scm@hsu.edu.hk

The seminar is supported by a grant from the Research Grant Council of the HKSAR, China (UGC/IIDS14/B03/19).

Organisers

 香港科技大学
 THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

 香港 Baptist 大学
 HONG KONG BAPTIST UNIVERSITY

 香港大学
 THE UNIVERSITY OF HONG KONG

Figure 6. Acknowledgement in the poster of an additional seminar #3 held on 11 March 2021

SEMINAR
POST COVID-19: RISKS, LIABILITIES AND CLAIMS ON DIGITALISATION IN SHIPPING AND TRANSPORT LOGISTICS

Date 11 March 2021 (Thursday)
Time 1:45pm Login; 2:00pm - 3:15pm Talk
Venue Online via Zoom

Legal risk and liabilities under the impact of COVID-19 on supply chain and logistics

- *Cyber risks on digitalisation in shipping; Managing risks in cyber-attack; Legal liabilities and claims on cybersecurity; Cargo claim cases on cyber-attack.*
- **Ms. Joanne Waters, Senior Associate, HFW**

Ms Joanne Waters is a Senior Associate at HFW. She has substantial experience in working on the Shipping Group dealing with shipping litigation and related admiralty, logistics and non-contentious work, including regulatory and compliance issues for international clients, including ship owners, charterers, freight forwarders and P&I Clubs on cases involving English court and international arbitration proceedings.

She deals with general commercial litigation issues such as defaults under international sale contracts, debt recovery and international insolvencies. She is keen on legal research on Belt and Road Initiatives and trade facilitation and provides talks to universities and logistics associations.

Zoom Login link will be provided
 For enquiries: scm@hsu.edu.hk

The seminar is supported by a grant from the Research Grant Council of the HKSAR, China (UGC/IIDS14/B03/19).

Organisers





Part B: The Final Report**5. Collaboration with Other Self-Financing Degree-Awarding Institutions**

	Name of Institution(s)	% of Participation	Distinctive <u>Element(s)</u> of the Institution in Responsible Project
Applying Institution	The Hang Seng University of Hong Kong	80%	Research Workshop, International Forum, On-line platform content, case studies, Research paper, and Education case reference book.
Collaborating Institution(s) (If any) #	Hong Kong Shue Yan University	20%	Research Workshop, Case studies (Commercial and financial impact of cybersecurity cases), International Forum.
Total:		100%	

If no other eligible local self-financing degree-awarding institutions are involved, please input "N/A" in this table.

6. Project Objectives**6.1 Objectives as per original application**

1. *To prepare students for careers in the logistics, supply chain or transportation industries by familiarising them with risk management and cybersecurity law, regulations and policies through case-based workshops and seminars;*
2. *To provide a knowledge-based research and teaching platform with the most up-to-date case studies on maritime and aviation cybersecurity and tailored to supply chain and logistics students, academics and practitioners;*
3. *To enhance the media available for teaching and learning in the field of cybersecurity risk management with modules on various business and logistics programmes, including business, commercial and carriage of goods law;*
4. *To facilitate research and teaching in the areas of maritime and aviation cybersecurity, both in terms of technological advancement and legal developments; and*
5. *To explore the most recent issues in risk management in the maritime, aviation and logistics industries from the perspectives of technological advancement, law and insurance.*

6.2 Revised objectives

Date of approval from the RGC: N/A

Reasons for the change: N/A

N/A

1. N/A

2. N/A

3. N/A

6.3 Realisation of the objectives

(Maximum 1 page; please state how and to what extent the project objectives have been achieved; give reasons for under-achievements and outline attempts to overcome problems, if any)

1. To prepare students for careers in the logistics, supply chain or transportation industries by familiarising them with risk management and cybersecurity law, regulations and policies through case-based workshops and seminars
 - (1) Organised two international forums: (i) Risk Management and Maritime Cybersecurity for Sustainable Development of Shipping and Trade, and (ii) Leading through new paradigm of global logistics risks under uncertain trading landscape and cyber disruptions. Students enhanced their knowledge on risk management and cybersecurity law in maritime and aviation logistics.
 - (2) Organised three additional seminars: (i) Challenges and Opportunities of Arbitration and Mediation in Hong Kong – Recent legal needs on risk management in Supply Chain, (ii) COVID-19 Outbreak: Impact on Supply Chain and Logistics Business, Operations, Legal and Cyber-security Risk, and (iii) Post COVID-19: Risks, Liabilities and Claims on Digitalisation in Shipping and Transport Logistics. Students gained a lot from the speakers.
 - (3) Four case studies about cyber disruptions in maritime, aviation and logistics have been compiled for students to understand and learn the knowledge through the detailed of the case studies.

2. To provide a knowledge-based research and teaching platform with the most up-to-date case studies on maritime and aviation cybersecurity and tailored to supply chain and logistics students, academics and practitioners
 - (1) A case-based curriculum and teaching platform, Maritime, Aviation and Logistics Law (MALL) platform, is developed to enhance the quality of teaching and research in the areas of maritime and aviation law in relation to supply chains and logistics. Case studies about maritime and aviation cybersecurity have been put into the platform for knowledge sharing, teaching and learning.
 - (2) Students used the developed cases in academic module for case learning and presentation.

3. To enhance the media available for teaching and learning in the field of cybersecurity risk management with modules on various business and logistics programmes, including business, commercial and carriage of goods law
 - (1) The MALL platform, compiled cases, and the published book have been used in the module (i) Carriage of Goods Law in Hong Kong and China and (ii) Hong Kong Business Law. These facilitated business students in understanding the cases on cybersecurity on maritime and aviation logistics.

4. To facilitate research and teaching in the areas of maritime and aviation cybersecurity, both in terms of technological advancement and legal developments
 - (1) Conference papers

Two research conference presentation have been conducted:

 - Wong, E., Chan, F., Chen, L., Cheung, J. (2021) Seaworthiness and Liability Risks Involving Technology and Cybersecurity in Transport and Logistics, 23rd International Conference on Maritime Law and Logistics (ICMLL 2021), Paris, France.
 - Lee, J.M.Y and Wong, E.Y.C. (2021) Suez Canal blockage: an analysis of legal impact, risks and liabilities on the global supply chain, International Conference on Sustainable Transport System and Maritime Logistics (ISTSML 2021), Batumi, Georgia.
 - (2) Two journal papers have been compiled and submitted to selected journals:
 - Paper title: *The Suez Canal blockage: An Analysis of Legal Effects on the Global Supply Chain*. The paper has been submitted to the journal of *Transport Policy*.
 - Paper title: *Legal liabilities of cybersecurity and technological risks on seaworthiness of maritime operations*. The paper has been submitted to journal of *Lloyd's Maritime and Commercial Law Quarterly*.
 - (3) A book has been published:
 - Wong Y.C.E. (2021) Maritime and Aviation Logistics Law for Business Practitioners – Case-based pedagogical development of maritime, aviation and logistics law for supply chain and logistics operations. 2nd Edition. 123 pp.

Copies of the book have shared and distributed to the students. The cases haven been discussed in class.

5. To explore the most recent issues in risk management in the maritime, aviation and logistics industries from the perspectives of technological advancement, law and insurance.
 - (1) The cybersecurity liabilities under the obligation of seaworthiness entailed in the Hague-Visby Rules have been explored and discussed, with reference to the cyber-attack cases of Maersk, Cathay Pacific and MSC. The initial analysis has been presented in a conference. A journal paper about further review, analysis and recommendation about cybersecurity liabilities and the corresponding seaworthiness considerations has been compiled and submitted to an international journal.
 - (2) The legal liability and risk of the recent Suez Canal Blockage incident has been discussed and explored. A review on the incident has been presented in a conference. A journal paper about the legal liabilities and risks of the case has been compiled and submitted to an international journal.

6.4 Summary of objectives addressed to date

Objectives	Addressed <i>(please tick)</i>	Percentage Achieved <i>(please estimate)</i>
1. To prepare students for careers in the logistics, supply chain or transportation industries by familiarising them with risk management and cybersecurity law, regulations and policies through case-based workshops and seminars;	✓	100%
2. To provide a knowledge-based research and teaching platform with the most up-to-date case studies on maritime and aviation cybersecurity and tailored to supply chain and logistics students, academics and practitioners	✓	100%
3. To enhance the media available for teaching and learning in the field of cybersecurity risk management with modules on various business and logistics programmes, including business, commercial and carriage of goods law;	✓	100%
4. To facilitate research and teaching in the areas of maritime and aviation cybersecurity, both in terms of technological advancement and legal developments; and	✓	100%
5. To explore the most recent issues in risk management in the maritime, aviation and logistics industries from the perspectives of technological advancement, law and insurance.	✓	100%

6.5 Project progress

Original Implementation Schedule	Revised Implementation Schedule (Date of RGC's Approval)	Updated Progress
Research Workshop Forum – 12 June 2020	N/A	Completed
International Forum – 18 November 2020	N/A	Completed
Additional Seminar #1 – 5 March 2020	N/A	Completed
Additional Seminar #2 – 23 April 2020	N/A	Completed
Additional Seminar #3 – 11 March 2021	N/A	Completed

6.6 Speaker(s)

Title / Name (Surname in Capital Letters)	Post / Institution	Title / Topic of Presentation / Course	Previous Research Links with Hong Kong Institutions (Nature and Date (Month / Year))
Mr. Philip CHENG	General Manager, Trade and Sales (HK, South China and Taiwan), Mediterranean Shipping Company (HK)	Research Workshop Forum – Risk Management for Shipping and Trade under the Dynamics Impact of Pandemic and Cyber Attack	https://www.linkedin.com/in/philip-cheng-5849a4b/?originalSubdomain=hk
Prof. Qiang MENG	Professor, National University of Singapore	Research Workshop Forum – Maritime Cyber-Security: A Critical Review and Future Research Opportunities	http://www.eng.nus.edu.sg/cee/people/ceemq/
Dr. Ricci IEONG	Vice-Chairman, Cloud Security Alliance (HK and Macau Chapter)	Research Workshop Forum – Cybersecurity Strategies and Innovations for Maritime Logistics	https://www.cse.ust.hk/~ricci/
Dr. Saiful KARIM	Associate Professor, Queensland University of Technology	Research Workshop Forum – Maritime Cybersecurity and International Law	http://orcid.org/0000-0003-4183-0505 https://staff.qut.edu.au/staff/mdsaiful.karim
Mr. Rory YOUNG	Assistant Vice President, Global Cyber and Technology, Global Professional and Financial Risks, Lockton Companies (Hong Kong)	Research Workshop Forum – Understanding Cyber Risk Transfer for Maritime and Logistics	https://hk.linkedin.com/in/roryjyoung
Dr. Yonov Frederick AGAH	Deputy Director, General, World Trade Organisation	International Forum – Keynote Address – World Trade Organisation Outlook for Charting Recovery; Leading through new paradigm of global logistics risks under uncertain trading landscape and cyber disruptions – Trade and Forwarding	https://www.wto.org/english/thewto_e/dg_e/former_ddgs_e.htm#agah
Dr. Jan HOFFMANN	Chief, Trade Logistics Branch, UNCTAD	International Forum – Leading through new paradigm of global logistics risks under uncertain trading landscape and cyber disruptions – Maritime and Logistics	https://www.linkedin.com/in/drjanhoffmann/?originalSubdomain=ch

Mr. Kenny YE	Chief Executive Officer, OOCL Logistics; Chief Operating Officer, OOCL	International Forum – Leading through new paradigm of global logistics risks under uncertain trading landscape and cyber disruptions – Maritime and Logistics	https://www.oocl.com/eng/aboutoocl/companyprofile/oocldirectors/Pages/default.aspx
Mr. Christopher CHAN	Partner and Hong Kong Head of Shipping, Offshore and Logistics, HFW	International Forum – Leading through new paradigm of global logistics risks under uncertain trading landscape and cyber disruptions – Maritime and Logistics	https://www.hfw.com/Christopher-Chan
Mr. Mathieu Renard BIRON	Managing Director, Global Freight Forwarding, Kerry Logistics	International Forum – Leading through new paradigm of global logistics risks under uncertain trading landscape and cyber disruptions – Trade and Forwarding	https://www.linkedin.com/in/mathieu-renard-biron/?originalSubdomain=hk
Mr. Stone HO	Group Vice-President, Apex Logistics International	International Forum – Leading through new paradigm of global logistics risks under uncertain trading landscape and cyber disruptions – Trade and Forwarding	https://cn.linkedin.com/in/stone-ho-b1566768
Mr. Fox CHU	Partner, McKinsey	International Forum – Leading through new paradigm of global logistics risks under uncertain trading landscape and cyber disruptions – Maritime and Logistics; Trade and Forwarding	https://www.linkedin.com/in/foxchu/?trk=people-guest_people_search-card&originalSubdomain=hk
Mr. David FONG	Vice Chairman, Chartered Institute of Arbitrators (East Asia Branch)	Additional Seminar #1 – Recent legal needs on risk management in supply chain	https://www.hkba.org/barrister/fong-shiu-man-david
Mr. Danny MOK	Council Member, Hong Kong International Arbitration Centre (HKIAC)	Additional Seminar #1 – Introduction to Maritime Arbitration and Discussion on Two Reported Cases and Related Considerations for Risks Management	https://static1.squarespace.com/static/5c2e3f79da02bcf0960540ff/t/602402ca6ddf8a488fe5a659/1612972747636/Danny+Mok.pdf
Ms. Chrystal CHOY	Deputy Counsel, HKIAC	Additional Seminar #1 – Latest arbitration developments in Hong Kong and at HKIAC	https://www.hkiac.org/sites/default/files/c_k_filebrowser/Tribunal%20Secretary%20Participants/Chrystal%20Choy%20Res

			ume-%20Nov%202021.pdf
Mr. Cliff SULLIVAN	Immediate-past Chairman, Hongkong Association of Freight Forwarding and Logistics	Additional Seminar #2 – Supply chain and aviation logistics under COVID-19 outbreak – impact and outlook	https://www.linkedin.com/in/cliff-sullivan-36585515/?originalSubdomain=hk
Ms Joanne WATERS	Senior Associate, HFW	Additional Seminar #2 – Legal risks and liabilities under the impact of COVID-19 on supply chain and logistics Additional Seminar #3 – Legal risks and liabilities under the impact of COVID-19 on supply chain and logistics	https://www.hfw.com/Joanne-Waters

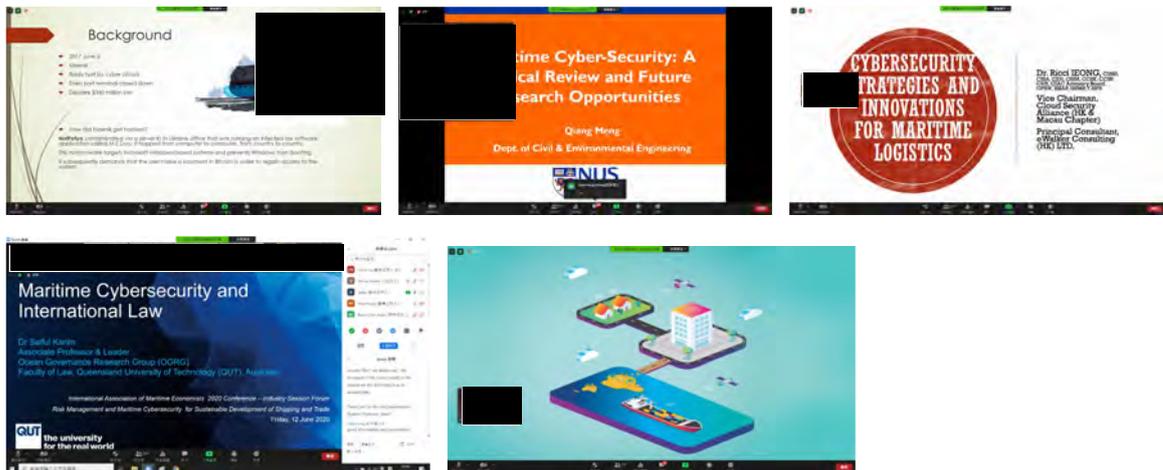
6.7 Please provide details of the activities organized, including the theme / objectives of the activities, targeted participants, attendance, analysis of participants, e.g. country of origin, research background, etc., evaluation forms of the activities and a summary of the participants' evaluation. (Photos of the activities are preferred.)

A. Workshops, Forums and Seminars

(1) Research Workshop Forum

- **Event Title:** IAME 2020 International Forum Industry Session – Risk Management and Maritime Cybersecurity for Sustainable Development of Shipping and Trade
- **Date:** 12 June 2020 (Friday)
- **Time:** 5:30pm - 7:30pm HKT
- **Venue:** Online via Zoom
- **Objective and description:**
Stakeholders in the maritime and logistics industry are continuously facing challenges in tackling new areas of maritime disruption from cyber-attack or natural disasters, affecting ship navigation, port operations and communication networks. The recent cyber disruption in Maersk costs over US\$300M and also those on the ports in India, Long Beach, Barcelona and San Diego. The COVID-19 impacts seriously in the maritime and global supply chain. What and how should ship liners, logistics providers, and port operators do to minimise the risks that might occur? This session integrates leaders from various perspectives, starting from ship liners sharing the impacts and problems as well as scholars reviewing the development needs, then to expert leaders sharing possible suggestions and precautions from technological, legal and financial perspectives.
- **Speakers and Moderator:**
Moderator:
❖ Prof Lawrence Lee, Professor (Practice), The Hang Seng University of Hong Kong
Speakers:
❖ Mr Philip Cheng, General Manager, Trade and Sales (HK, South China and Taiwan), Mediterranean Shipping Company (MSC)
Topic: Importance of risk management for shipping and trade under the dynamics impact of pandemic and cyber attack

- ❖ Prof Qiang Meng, Professor, National University of Singapore
Topic: Maritime Cyber-Security: A Critical Review and Future Research Opportunities
- ❖ Dr Ricci Jeong, Vice-Chairman, Cloud Security Alliance
Topic: Cybersecurity strategies and innovations for maritime logistics
- ❖ Dr Saiful Karim, Associate Professor, Queensland University of Technology
Topic: Maritime Cybersecurity and International Law
- ❖ Mr Rory Young, Assistant Vice President, Global Cyber and Technology, Global Professional and Financial Risks, Lockton Companies
Topic: Understanding Cyber Risk Transfer for Maritime and Logistics
- **Target participants:** Research scholars, academics, students, practitioners
- **Number of participants:** 230 participants
- **News:** <https://scm.hsu.edu.hk/hk/news/news/314>
- **Photos:**



▪ **Poster/flyer:**



- **Activity Feedback, Evaluation Form and Participants' Evaluation Summary:**
A feedback survey form link has been sent out to the participants. The questions in the form included:
 - (1) What is your overall evaluation of the industry session forum? (1=Most Dissatisfied, 7=Most Satisfied)
 - (2) What aspects of the forum were of most value to you?
 - (3) What aspects of the forum were of least value to you?
 - (4) How comfortable did you feel sharing your opinions in the forum?
 - (5) Do you have any additional feedback for the organiser or speaker of the forum?
 - (6) Please list suggestions for topics and speakers for future regional industry session forum.

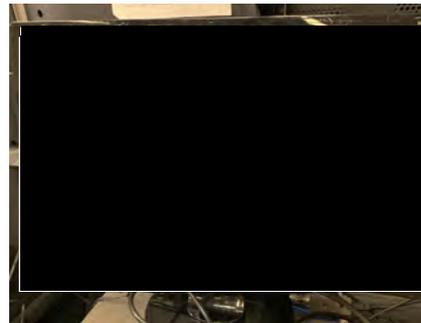
There are 57 responses. Below is the summary of the responses:

More than ninety percent of the respondents were satisfied with the IAME 2020 Industry Session Forum ("Risk Management and Maritime Cybersecurity for Sustainable Development of Shipping and Trade"), and nearly eighty percent of them felt comfortable sharing their opinion in the forum. The respondents revealed their interests in the topics relating to technology, trend and global demand in the maritime industry, particularly cybersecurity and risk management. They have also shown their great interest for the coming regional industry session forum in the following topics: technology (i.e., 5G, AI, Big Data, IOT), maritime law, environmental sustainability and data privacy issues etc.

(2) International Forum

- **Event Title:** 10th Asian Logistics, Maritime and Aviation Conference – Closing Plenary Forum
- **Date:** 18 November 2020 (Wednesday)
- **Time:** 4:00pm - 5:30pm HKT
- **Venue:** ALMC Online Platform
- **Objective and description:**
Leaders in logistics, maritime and aviation industry are continuously facing new paradigm risks from uncertain trade paradox, pandemic outbreak, and cyber disruptions. Recent US-China Trade War and Brexit create spiral trade protectionism effect on supply chain pattern, moving against the globalisation strategies of Belt and Road Initiatives and Greater Bay Area. Pandemic outbreak forces reconsideration of localisation instead of globalisation in production. Recent risks from increasing cyber disruption seriously impact the stability and costs of logistics enterprises. What strategies should leaders take in minimising these global logistics risks ahead? This session invites leaders from various dimensions to share views, strategies and outlook in these uncertain trading and business landscapes.
- **Speakers:**
 - Keynote Address – World Trade Organisation Outlook for Charting Recovery
Keynote Speaker: Dr. Yonov Federick Agah, Deputy Director - General, World Trade Organisation (WTO)
 - Closing Plenary - Leading Through New Paradigm of Global Logistics Risks under Uncertain Trading Landscape and Cyber Disruptions
Moderator:
 - ❖ Mr. Fox CHU, Partner, McKinsey
 Closing Plenary Speakers:
 - ❖ Dr. Yonov Federick AGAH, Deputy Director - General, World Trade Organisation (WTO)
 - ❖ Dr. Jan HOFFMANN, Chief, Trade Logistics Branch, United Nations Conference on Trade and Development (UNCTAD)

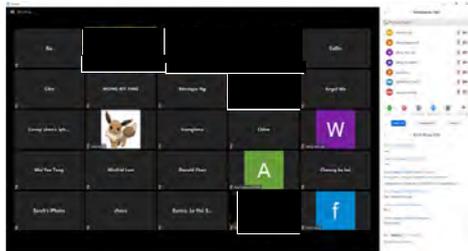
- ❖ Mr. Kenny YE, COO, Orient Overseas Container Line (OOCL), CEO, OOCL Logistics
- ❖ Mr. Mathieu Renard BIRON, Managing Director, Global Freight Forwarding, Kerry Logistics
- ❖ Mr. Stone HO, Group VP, Apex Logistics International
- ❖ Mr. Christopher CHAN, Partner and Hong Kong Head of Shipping, Offshore and Logistics, HFW
- **Target participants:** Research scholars, academics, students, practitioners
- **Number of participants:** 510 participants from 43 countries
- **News:** <https://scm.hsu.edu.hk/hk/news/news/351>
- **Photos:**



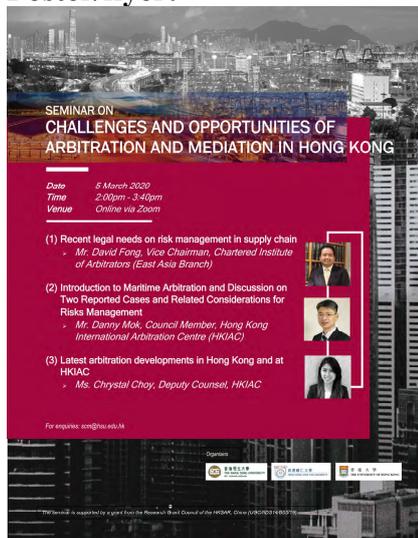
- **Poster/flyer:**

An additional seminar is held with speakers sharing about the legal needs on risk management in supply chain as well as cases related maritime arbitration and risk management.

- **Speakers:**
 - Mr. David Fong, Vice Chairman, Chartered Institute of Arbitrators (East Asia Branch)
Topic: Recent legal needs on risk management in supply chain
 - Mr. Danny Mok, Council Member, Hong Kong International Arbitration Centre (HKIAC)
Topic: Introduction to Maritime Arbitration and Discussion on Two Reported Cases and Related Considerations for Risks Management
 - Ms. Chrystal Choy, Deputy Counsel, HKIAC
Latest arbitration developments in Hong Kong and at HKIAC
- **Target participants:** Research scholars, academics, students, practitioners
- **Number of participants:** 160 participants
- **News:** <https://scm.hsu.edu.hk/us/news/news/311>
- **Photos:**



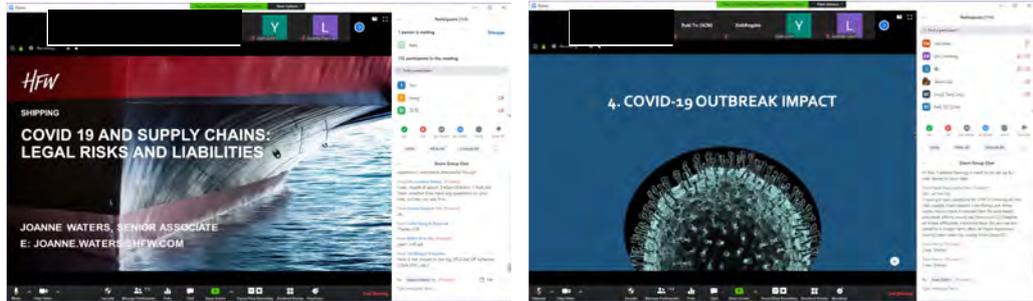
- **Poster/flyer:**



(4) Additional Seminar #2

- **Event Title:** COVID-19 Outbreak: Impact on Supply Chain and Logistics Business, Operations, Legal and Cyber-security Risk
- **Date:** 23 April 2020 (Thursday)
- **Time:** 2:00pm - 4:00pm HKT
- **Venue:** Online platform
- **Objective and description:**
An additional seminar is held to invite speakers to share the legal risk and liabilities on the impact of COVID-19 outbreak and cyberattack on supply chain and logistics business.
- **Speakers:**

- ❖ Mr. Cliff Sullivan, Immediate-past Chairman, Hongkong Association of Freight Forwarding and Logistics
Topic: Supply Chain and aviation logistics under COVID-19 outbreak – impact and outlook
- ❖ Ms. Joanne Waters, Senior Associate, HFW
Topic: Legal risk and liabilities under the impact of COVID-19 on supply chain and logistics
- **Target participants:** Students, researchers, academics, and practitioners
- **Number of participants:** 115 participants
- **News:** <https://scm.hsu.edu.hk/us/news/news/312>
- **Photos / screenshots:**



- **Poster/flyer:**

SEMINAR
COVID-19 OUTBREAK: IMPACT ON SUPPLY CHAIN AND LOGISTICS - BUSINESS, OPERATIONS, LEGAL AND CYBER SECURITY RISK

Date: 23 April 2020
Time: 1:45pm Login, 2:00pm - 4:00pm Talk
Venue: Online via Zoom

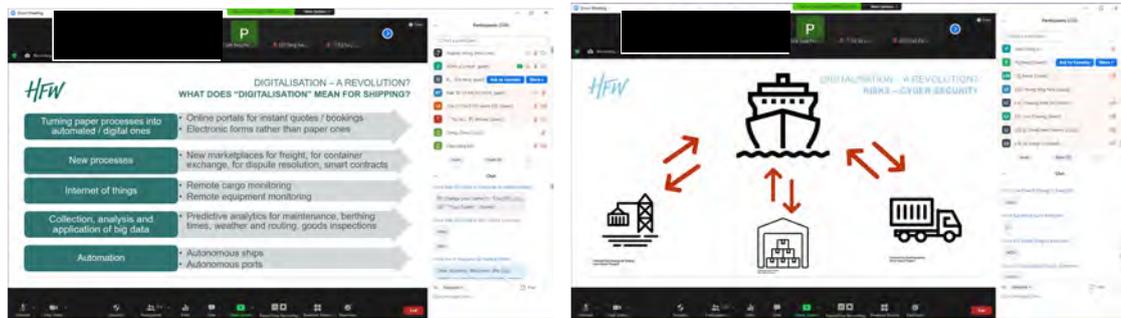
(1) Supply chain and aviation logistics under COVID-19 outbreak – impact and outlook
 > Mr. Cliff Sullivan, Immediate-past Chairman, Hongkong Association of Freight Forwarding and Logistics
 Mr. Cliff Sullivan has over 35 years of experience in logistics, air freight and supply chain. He held management positions in various companies, including 25P, in Global Freight Management of LP Logistics, DPFL and a Logistics Corporation. Director and Chief of Air Freight Logistics, and LP Air Freight in Logistics Logistics. He is the immediate past Chairman of HFFA. He is also actively contributing to the industry and education sector. He is currently also serving in the Government of Hong Kong in an advisory role.

(2) Legal risk and liabilities under the impact of COVID-19 on supply chain and logistics
 > Ms. Joanne Waters, Senior Associate, HFW
 Ms. Joanne Waters is a Senior Associate at HFW. She has substantial experience in working on the Shipping Group dealing with Shipping Register and related activity, appeal and non-compliance work, including regulatory and compliance issues for international clients, including the general, shipping, Retail, Insurance and P&G Club on cases involving English court and international arbitration proceedings. She has worked with governmental organisations and an arbitral panel on international and domestic cases. She has worked with various clients on the impact of COVID-19 and related business and trade disruption and provides advice to commercial and logistics associations.

Registration Link: <https://www.zoom.us/j/9298282828>

(5) Additional Seminar #3

- **Event Title:** Post COVID-19: Risks, Liabilities and Claims on Digitalisation in Shipping and Transport Logistics
- **Date:** 11 March 2021 (Thursday)
- **Time:** 1:30pm – 2:45pm
- **Venue:** Online via Zoom
- **Objective and description:**
An additional seminar is held to invite speaker to share the legal risk and liabilities on the impact of post COVID-19 on the risks, liabilities and claims on the disruption of digital supply chain and logistics.
- **Speakers:**
 - ❖ Ms. Joanne Waters, Senior Associate, HFW
Topic: Legal risk and liabilities under the impact of COVID-19 on supply chain and logistics
- **Target participants:** Students, academics, and practitioners
- **Number of participants:** 130 participants
- **Photos:**



- **Poster / Flyer:**

B. International Conference Presentation

Two conference presentations have been conducted:

- Wong, E., Chan, F., Chen, L., Cheung, J. (2021) Seaworthiness and Liability Risks Involving Technology and Cybersecurity in Transport and Logistics, 23rd International Conference on Maritime Law and Logistics (ICMLL 2021), Paris, France.
- Lee, J.M.Y and Wong, E.Y.C. (2021) Suez Canal blockage: an analysis of legal impact, risks and liabilities on the global supply chain, International Conference on Sustainable Transport System and Maritime Logistics (ISTSML 2021), Batumi, Georgia.

C. Journal Papers

Two journal papers have been compiled and submitted to selected journals:

- Paper title: *The Suez Canal blockage: An Analysis of Legal Effects on the Global Supply Chain*. The paper has been submitted to the journal of *Transport Policy*.
- Paper title: *Legal liabilities of cybersecurity and technological risks on seaworthiness of maritime operations*. The paper has been submitted to journal of *Lloyd's Maritime and Commercial Law Quarterly*.

D. Book Publication

A book has been published:

- Wong Y.C.E. (2021) *Maritime and Aviation Logistics Law for Business Practitioners – Case-based pedagogical development of maritime, aviation and logistics law for supply chain and logistics operations*. 2nd Edition. 123 pp.

E. Case Studies

Four cases about the cybersecurity and the corresponding legal impact, liabilities and regulations have been compiled as case studies for students. Students studying carriage of goods law module have participated in discussions and case presentations.

F. Project website

A project website has been established: <https://mall.hsu.edu.hk> .

7. Research-Related Outcome

7.1 Potential for development into research proposal and the proposed course of action
(*Maximum half a page*)

- Legal impact and liabilities of cyberattack and the seaworthiness of cybersecurity of carrier in maritime transportation
- Legal analysis on the Suez Canal Blockage incident
- Learning effectiveness with interactive case-based cybersecurity incident and legal considerations in maritime and aviation logistics

7.2 Research collaboration achieved
(*Please give details on the achievement and its relevant impact*)

- Collaborated with Hong Kong Shue Yan University in organising forums and seminars about cybersecurity legal risk and liabilities.
- Delivered research presentations in international conferences.
- Collaborated with The University of Hong Kong and Korea University Law School in compiling a journal paper on legal analysis of Suez Canal blockage towards global supply chain.
- Collaborated with The University of Hong Kong in compiling a journal paper on seaworthiness of cybersecurity in maritime transportation.

7.3 Any new development and/or challenging research topic(s) has / have been identified and any new initiative(s) for future research has / have been inspired.

- New development or challenging research topics identified and new initiatives for future research: Further research on the legal analysis of cybersecurity in maritime and aviation operations; maritime insurance; and legal impacts of port closure during COVID-19.
- Connected to the academics in the University of Hong Kong, Korea University Law School, National University of Singapore, Queensland University of Technology as well as firms and organisations in the industry, e.g. HKIAC, HFW, WTO and UN.

8. The Layman's Summary

(*Describe in layman's language the nature, significance and value of the research activities, in no more than 200 words*)

With the increased use of digital platforms, the Internet of Things (IoT), automation and cyber-physical systems in maritime, aviation and logistics operations, the threat of cyber-attacks has become one of the topmost concerns in this sector which involves highly

connected systems and networks along the whole supply chain. Individual threats include viruses spreading through networked systems, cyber-attacks on operations platforms and the hijacking of sensitive data. Any one of these attacks would seriously impact daily operations and incur huge losses in operational costs, such as through stoppages of cargo movement, misrouting, vessel or flight delay, data leakage, system breakdowns or power outages. The recent cases of Maersk and Cathay Pacific highlight how disruptive and expensive such threats can be. Thus, two international forums, with renowned scholars, professors, CEOs, representatives from WTO and UN, partners in consulting and legal firms, are invited to share views and experience on this subject. Three additional seminars were held as well. Over 1,145 people from over 45 countries participated and benefited from these five events. Four case studies on this subject have been carried out and their highlights are shared in an online learning platform. A book publication, including legal and cybersecurity cases, was published. The events and deliverables are tailored for logistics researchers, students, and practitioners to learn further on cybersecurity and risk management for maritime and aviation logistics, from advanced technology to legal and insurance perspectives. Two conference presentations are conducted, and two journal papers are compiled. With few state-of-the-art teaching and learning materials specifically focused on cybersecurity in maritime and aviation, including technological advancement and legal and insurance perspectives, the project deliverables will certainly benefit the students, scholars, educators and industry practitioners, who support the daily cargo operations and sustain the competitiveness of sea and air cargo throughput in Hong Kong.

Part C: Research Output**9. Recognized Conference(s) Paper(s) Related To This Project Was / Were Delivered (As Applicable)***(Please attach a copy of each conference abstract)*

Month / Year / Place	Title	Conference Name	Submitted to RGC <i>(indicate the year ending of the relevant progress report)</i>	Attached to this Report <i>(Yes or No)</i>	Acknowledged the Support of RGC <i>(Yes or No)</i>
21 February 2021 Georgia	Suez Canal blockage: an analysis of legal impact, risks and liabilities on the global supply chain	International Conference on Sustainable Transport System and Maritime Logistics (ISTSML 2021)		Yes (Annex I)	Yes
30 June 2021 France	Seaworthiness and Liability Risks Involving Technology and Cybersecurity in Transport and Logistics	23rd International Conference on Maritime Law and Logistics (ICMLL 2021)		Yes (Annex II)	Yes

10. Research Personnel Trained (As Applicable)

Name	Capacity
██████████	Research Assistant
██████████	Research Assistant
██████████	Research Assistant

11. Other Impact (As Applicable)*(e.g. prizes, collaboration with other research institutions, technology transfer, etc.)*

- A journal paper about legal analysis of Suez Canal blockage towards global supply chain has been compiled and submitted to a journal (Annex III). The research work is a collaboration with The University of Hong Kong and Korea University Law School.
- A journal paper about seaworthiness of cybersecurity in maritime transportation has been compiled and submitted to a journal (Annex IV). The research work is a collaboration with The University of Hong Kong.
- A book has been published (Annex V):
Wong Y.C.E. (2021) Maritime and Aviation Logistics Law for Business Practitioners – Case-based pedagogical development of maritime, aviation and logistics law for supply chain and logistics operations. 2nd Edition. 123 pp.

-
- Collaborated with Hong Kong Shue Yan University, The University of Hong Kong, Hong Kong Trade Development Council, university research centres, and other logistics, transport, and engineering industry associations in organizing international forums, seminars, and workshops.
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12. Statistics on Research Outputs

	Peer-reviewed Journal Publications	Conference Papers	Scholarly Books, Monographs and Chapters	Patents Awarded	Other Research Outputs (please specify)	
No. of outputs arising directly from this project	2 (Paper Under Journal Review)	2	1	N/A	Type	No.
					N/A	N/A

13. Public Access Of Completion Report

(Please specify the information, if any, that cannot be provided for public access and give the reasons.)

Information that Cannot Be Provided for Public Access	Reasons
N/A	N/A