



Middlebury Institute of  
International Studies at Monterey



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# 研討會議程

## 第一場活動：大學和研究工作參與

2022 年 1 月 11 日

台北上午 10:00

大學和研究機構是高深學問知識中心，涵蓋一系列主題，其中一些可能被敵對國家用於軍事應用。因此，大學和研究機構必須採取行動，管理與敏感知識轉讓相關的潛在風險。為了解決該問題，我們將在 2022 年 1 月和 2 月舉辦兩場活動，屆時來自大學、政府和其他相關組織的參會者與一系列主題專家共同探討挑戰和潛在的解決方案，並製定行動計劃，以防止台灣研究部門被濫用於顛覆性目的。這些活動適合之前沒有接觸過這個主題的觀眾，以及已經在該領域工作的人。我們高度鼓勵感興趣的人參加這兩場活動。

第一場活動是長達 3 至 3.5 小時的網路研討會，旨在介紹研究環境中敏感技術轉讓管理的整體概念。下文簡要概述了對關鍵主題。將在兩場活動之間完成的線上學習模組能更深入介紹這些主題：

### 場次 1：歡迎會、介紹和概述

本場次包括開幕致詞、歡迎參會者和介紹演講者。

在本場次中，我們還可能邀請東道國政府發表講話，強調大學管理敏感技術對台灣國家安全的重要性。

此外，還將對網路研討會、其核心主題及其重要性進行概述。

- Dr. Ross Peel，倫敦大學國王學院
- Dr. Ross Peel，詹姆斯·馬丁核不擴散研究中心

### 場次 2：核心主題

本場次包括以下專題演講：

1) 技術管控框架與大學關聯性——概述技術管控制的多邊方法，並關注與大學環境最相關的方法

- Nick Mitchell，倫敦大學國王學院

2) 擴散威脅環境與大學和研究機構的風險——以案例研究為基礎，研究威脅者利用大學環境的特點獲取和轉移敏感技術的所作努力

- Dr. Ross Peel，倫敦大學國王學院

3) 大學內部出口管控制度和風險管理 – 探討當今大學如何減少未經授權的技術轉讓的風險，重點關注內部出口管控制度作為協調和實施風險管理戰略的最佳實踐機制

- Robert Shaw，詹姆斯·馬丁核不擴散研究中心

### **場次 3：介紹線上學習和第二場活動預覽：政府與大學之間的對話**

在本場次中，我們將介紹附帶的線上學習內容，鼓勵參會者繼續學習，以此銜接第二場活動：政府與大學之間的對話。也將預覽第二場活動的主題。

- Dr. Ross Peel，倫敦大學國王學院



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## 第二場活動：政府與大學之間的對話

2022 年 2 月 8 日至 9 日

台北上午 10:00

第二場活動將歡迎來自台灣政府和大學高層人士的參會者，讓這兩個群體建立聯繫，共同發展研究環境知識轉移管理的最佳實踐。本次活動還可以幫助大學和研究機構針對機構技術轉讓管理系統設計提出初步想法。政府和研究部門的聽眾將進行對話，討論他們在該領域的需求和挑戰，並就未來的積極方法達成一致。

這場為期 2 天的網路研討會活動預計將於 2022 年 2 月舉行。該活動將於台灣當地時間 10:00 開始，每天進行約 3 小時。

### 網路研討會，第一日

#### 場次 1： 介紹

演講者將自我介紹，並為首次註冊參加本次活動的參會者介紹主題。曾參與過線上學習的學員可以在線上學習提出問題和意見。

- Dr Ross Peel，倫敦大學國王學院

#### 場次 2： 美國和台灣政府的觀點：主題關聯性和時效性

在本場次中，演講者和/或美國政府代表將針對以下主題發表演講——為什麼這個主題與我們相關，各國採取了哪些措施，以及為什麼在台灣召集這些聽眾有其即時性。

在本場次中，我們還可能邀請台灣政府發表發言，再次強調該主題的關聯性，並描述當前要求。

- USG 演講者（待確認）
- Dr Crystal Pryor，太平洋論壇
- Bethany C. Nelson（待確認），威斯康辛大學麥迪遜分校

#### 場次 3： 台灣學術界的觀點：主題關聯性和時效性

在本場次中，我們將邀請台灣學術機構的演講者發表演講，介紹他們對這些問題的理解，以及他們已經採取哪些措施來解決這些問題。

- Anne Hsiu-An Hsiao，副研究員兼 CSCAP 台灣秘書處執行主任，台灣台北國立政治大學國際關係研究所

#### 場次 4： 小組練習 1 – 研究合作風險管理

作為鞏固從線上學習計劃中獲得其知識的一種手段，參會者將參與一項練習，我們會向他們介紹虛構的合作研究提案。每項提案都有敏感技術轉讓的潛在可能。參會者必須識別提案所涉風險，並提出管理這些風險的適當措施。

## 網路研討會，第二日

### 場次 5： 各國處理方法

本場次將討論其他國家採取的處理方法

- Kazuto Suzuki（待定）– 日本的觀點
- Dr Ian Stewart，詹姆斯·馬丁核不擴散研究中心（英國/歐盟）

### 場次 6： 小組練習 2 – 培訓計劃概念產生

該場次將要求各小組集思廣益，針對台灣學術領域的意識水平培訓項目可能包含的內容以及如何最好地引入該項目進行討論，旨在在大學和政府之間形成一種成功的合作方式。然後，各小組必須向大會匯報他們的討論成果。

### 場次 7： 行動計劃討論

該場次將是一個研討會，討論為促進政府與大學在整個主題上的合作所需採取的後續措施，並提高學術社群對其重要性的認識。

### 場次 8： 結論和後續步驟

該場次將從這場活動中做出結論，然後概述需要採取的後續措施，並宣布活動結束。



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# Workshop Agendas

## Event One: University and Research Engagement

January 11, 2022

10:00 Taipei time

Universities and research institutes are hubs of advanced knowledge on a range of topics, some of which could be used in military applications by hostile states. As such, it is vital that universities and research institutes take action to manage the potential risks associated with sensitive knowledge transfer. To address this, two events will be delivered in January and February 2022, where participants from universities, government and other relevant organizations come together with a range of subject matter experts to explore the challenges and potential solutions and develop plans for action to prevent the misuse of Taiwan's research sector for subversive purposes. The events are suitable for audiences who have previously not engaged with this topic as well as individuals already working in this space. Interested parties are highly encouraged to attend both events.

This first event will feature a 3-3.5 hour webinar designed to introduce the overall concept of managing sensitive technology transfer in research settings. Key themes are outlined below. These themes are also covered in more depth in e-learning modules available to be completed between the two events:

### **Session 1: Welcome, Introduction and Overview**

This session will feature opening remarks, welcoming participants to the program and introducing the speakers.

The session may also include remarks from the host government, highlighting the importance for Taiwan's national security of managing sensitive technologies in universities.

Additionally, an overview the webinar, its core themes, and their importance will be provided.

- Dr. Ross Peel, King's College London
- Dr. Ian Stewart, James Martin Center for Nonproliferation Studies

### **Session 2: Core Themes**

This session will feature presentations on the following topics:

1) Technology Control Frameworks & Relevance of Universities -- An overview of multilateral approaches to technology controls, with attention to those most relevant for university settings

- Nick Mitchell, King's College London

2) The Proliferation Threat Environment & Risks for Universities and Research Institutions -- A case-study based examination of efforts by threat actors to acquire and divert sensitive technologies by exploiting features of university settings

- Dr. Ross Peel, King's College London

3) International Compliance Programs and Risk Management for Universities – An exploration of how universities today are mitigating risks of unauthorized technology transfers, with a particular focus on internal compliance programs as best practice mechanisms to coordinate and implement risk management strategy

- Robert Shaw, James Martin Center for Nonproliferation Studies

### **Session 3: Introduction of E-learning and Preview of Event Two: Govt.-Universities Dialogue**

This concluding session will introduce the accompanying e-learning component, which participants will be encouraged to pursue, leading up to Event Two: Government-University Dialogue. Themes of Event Two will also be previewed.

- Dr. Ross Peel, King's College London



## Event Two: Government-University Dialogue

February 8-9, 2022

10:00 Taiwan time

This second event will welcome participants from Taiwan's government and senior university figures, bringing these two groups together to build connections and develop best practices in knowledge transfer management in research settings. The event can also serve universities and research institutes to propose initial ideas for the design of technology transfer management systems in their own institutions. Government and research sector audiences will engage in dialogues to discuss their needs and challenges in this space, and agree on positive approaches going forward.

This 2-day webinar event is expected to take place in February 2022. The event would start at 10:00 local time in Taiwan and run approximately 3 hours each day.

### Day One of Webinar

#### Session 1: Introductions

Speakers will introduce themselves and introduce the topic for those who are newly registered for this event. Participants who have engaged with the e-learning will have an opportunity to ask questions and make comments on the e-learning.

- Dr Ross Peel, King's College London

#### Session 2: US & Taiwan Government Perspectives: Topic Relevance & Timeliness

This session will include presentations from speakers and/or US government representatives on why this topic is relevant, what steps are being taken at the international level, and why its timely to bring together this audience in Taiwan.

This session could also potentially include a presentation from Taiwan's government, reemphasizing relevance of the topic and also describing current requirements.

- USG Speaker TBD
- Dr Crystal Pryor, Pacific Forum
- Bethany C. Nelson (TBC), University of Wisconsin-Madison

#### Session 3: Taiwan Academic Perspectives: Topic Relevance & Timeliness

This session will include presentations from speakers from Taiwanese academic institutions on their understanding of the issues and what measures they are already taking to address these.

- Anne Hsiu-An Hsiao, Associate Research Fellow & Executive Director, CSCAP Taiwan Secretariat, Institute of International Relations, National Chengchi University, Taipei, Taiwan

#### **Session 4: Group Exercise 1 – Research Collaboration Risk Management**

As a means of consolidating knowledge gained from the e-learning program, participants will engage in an exercise where they will be presented with fictional collaborative research proposals. Each proposal has the potential for sensitive technology transfer. Participants will be asked to identify the risks in the proposals and suggest suitable measures to manage them.

#### **Day Two of Webinar**

#### **Session 5: National approaches**

This will be a presentation of national approaches from other countries

- Kazuto Suzuki (TBC) – Japanese Perspective
- Dr Ian Stewart, James Martin Center for Nonproliferation Studies (UK/EU)

#### **Session 6: Group Exercise 2 – Training Program Concept Generation**

This session will require small groups to brainstorm and develop ideas on what an awareness-level training program for Taiwan's academic sector might entail and how it would best be introduced, with the aim of bringing about a successful and cooperative approach between universities and government. Groups will then be required to present their results back to the plenary.

#### **Session 7: Action Plan Discussion**

This session will act as a discussion forum on next steps required to foster government-university cooperation on the overall topic and to raise awareness among academic communities of its importance.

#### **Session 8 Conclusions and Next Steps**

This session will draw conclusions from the event, followed by an outline of next steps to be taken, and the closure of the event.