

# Online International Conference Building a Resilient Global Supply Chain in the Semiconductor Industry

## I. Purpose of the Conference

The global semiconductor industry has suffered from disruptive shocks of various kinds, including market volatilities, fires, snow storms, logistics breakdowns, cyberattacks, and geopolitics. Recent events of widespread chips shortages following the COVID-19 Pandemic and the use of chips as weapons in the US-China Trade War have brought our attention to the sensitivity and vulnerability of the industry. The supply chain of the semiconductor industry is globally connected, encompassing many irreplaceable, specialized suppliers based in different countries. Any shocks occurring to them, natural or man-made, are likely to cause disruptions. With increasing applications of semiconductors in industry and daily life, it is of critical importance to make the global supply chain resilient. This conference is convened to discuss the possible ways of international cooperation to achieve this goal despite the growing uncertainty caused by geopolitical conflict and competition.

## II. Event arrangements

■ **Time:** Wednesday, Oct. 5, 2022 – 8:25 am (Taipei)

■ **Registration website:**

<https://forms.gle/a4kcb4onMDvfZyN2A>

(\*Due to the limited number of participants, the organizer reserves the right to decline registration requests. After the registration is successful, participants will receive the Webex link.)

■ **Language:** English

(English/Chinese simultaneous interpretation)

■ **Agenda**



Registration  
Website

# 國際線上研討會： 建立半導體產業之全球韌性供應鏈

## 一、研討會目的

全球半導體產業受到各種破壞性衝擊，包括市場波動、火災暴風雪、物流癱瘓、網路攻擊及地緣政治等影響。在新冠疫情(COVID-19)大流行後產生之晶片短缺，以及美中貿易戰中晶片被當成經濟對抗的武器，曝露出半導體產業的敏感性及脆弱性。半導體產業之供應鏈係全球互聯、彼此相依的，這些供應鏈廠商包括許多位於不同國家且無法被替代的專業供應商，加諸於他們身上的任何衝擊，無論是自然還是人為，都可能造成整個半導體供應鏈的中斷。隨著半導體對全球產業發展的重要性提升，如何建構韌性的全球供應鏈備受關注。基於此，此次研討會將討論半導體產業所面對的問題，以及如何在地緣政治不確定風險升高下，透過國際合作來強化供應鏈韌性。

## 二、活動規劃

- **活動時間**：2022年10月5日(星期三)上午8時25分
- **報名網址**：<https://forms.gle/a4kcb4onMDvfZyN2A>  
(\*\*本單位保留接受報名與否之權利，國際線上研討會網址於報名成功後個別通知。)
- **使用語言**：英文 (提供中英同步口譯)
- **議程**



線上報名

# Online International Conference: Building a Resilient Global Supply Chain in the Semiconductor Industry

## 國際線上研討會：建立半導體產業之全球韌性供應鏈

Time 時間 (UTC+8)	Program 議程
08:15-08:25	<b>Online Registration 線上報到</b>
08:25-08:30	<b>Opening Address 開幕致詞</b> <b>Jiann-Chyuan Wang</b> Vice President, Chung-Hua Institution for Economic Research (CIER), Taiwan <b>王健全</b> 中華經濟研究院副院長(臺灣)
08:30-10:00	<b>Section 1 : Building Semiconductor Resilient Global Supply Chain: Opportunities and Challenges</b> <b>場次一：打造具有韌性的半導體全球供應鏈：機會與挑戰</b>
	Moderator 主持人 <b>Tain-Jy Chen</b> Professor Emeritus, Department of Economics, National Taiwan University, Taiwan <b>陳添枝</b> 國立臺灣大學經濟學系名譽教授(臺灣)
	Panelists (each / 20ms) 引言人 (1人/20分鐘)  <b>1.Scott Kennedy / Paul Triolo</b> Senior Adviser and Trustee Chair in Chinese Business and Economics, Center for Strategic & International Studies (CSIS), USA / Senior Associate (Non-resident), Trustee Chair in Chinese Business and Economics, Center for Strategic & International Studies, USA <b>肯尼迪</b> 戰略與國際研究中心中國商業經濟高級顧問兼董事會成員(美國) <b>崔歐洛</b> 戰略與國際研究中心中國商業經濟高級顧問兼董事會成員(美國) <b>Topic:</b> The New American Push in Chip Manufacturing: Plans, Prospects and Implications <b>題目：</b> 美國晶片製造的新推動力：計劃、前景及影響  <b>2.Alexandra Seymour</b> Associate Fellow, Technology and National Security Program, Center for a New American Security (CNAS), USA <b>西莫</b> 新美國安全中心科技與國家安全項目副研究員(美國) <b>Topic:</b> You Can't Spell Chips Without "IP": Strengthening IP Protection to Accelerate Innovation and Enhance International Cooperation <b>題目：</b> 沒有「智慧財產權」就無法製造晶片：強化對智財權保護以加速創新及加強國際合作  <b>3.Roy Lee</b> Associate Research & Senior Deputy Executive Director, WTO and RTA Center, Chung Hua Institution for Economic Research, Taiwan <b>李淳</b> 中華經濟研究院 WTO 及 RTA 中心副研究員兼資深副執行長(臺灣) <b>Topic:</b> Taiwan as an enabler of the US semiconductor supply chain reform agenda: challenges and solutions <b>題目：</b> 臺灣作為美國半導體供應鏈改革議程的推動者：挑戰與解決方案

Time 時間 (UTC+8)	Program 議程	
	Commentator (each / 10ms) 評論人 (1人/10分鐘)	<b>Shih-Lun Tsao</b> Global Chief Marketing Officer and President of Taiwan, SEMI, Taiwan <b>曹世綸</b> 國際半導體產業協會(SEMI)全球行銷長暨臺灣區總裁(臺灣)
	Discussion (20ms) 討論 (20 分鐘)	
10:00-10:20	Break 休息	
10:20-12:00	<b>Section 2 : Asia-Pacific Perspectives in Building Semiconductor Resilient Global Supply Chain</b> <b>場次二：打造具有韌性的半導體全球供應鏈：亞太觀點</b>	
	Moderator 主持人	<b>Daniel Liu</b> Director, Regional Development Study Center, Chung-Hua Institution for Economic Research (CIER), Taiwan <b>劉大年</b> 中華經濟研究院區域發展研究中心主任(臺灣)
	Panelists (each / 20ms) 引言人 (1 人/20 分鐘)	<b>1.Keun Lee</b> Distinguished Professor, Economic Department, Seoul National University, Korea <b>李根</b> 國立首爾大學經濟學榮譽教授(韓國) <b>Topic: Can mainland China leapfrog in Semiconductors</b> <b>題目：中國半導體能否有蛙跳式的成長</b>  <b>2.Chikashi Kishimoto</b> Research Assistant Professor, Asian Growth Research Institute (AGI), Japan / Visiting Lecturer, Kyushu University, Japan <b>岸本千佳司</b> 亞洲成長研究所研究助理教授(日本) <b>Topic: The business model of TSMC</b> <b>題目：台積電的營運模式</b>  <b>3.Dieter Ernst</b> Senior Fellow, Center for International Governance Innovation (CIGI), Canada <b>恩斯特</b> 加拿大國際治理創新中心資深研究員(加拿大) <b>Topic: Can US weaken and replace TSMC? Some hasty thoughts</b> <b>題目：美國能否有能力削弱並取代台積電？一些初步的想法</b>
	Commentators (each / 10ms) 評論人 (1 人/10 分鐘)	<b>1.Tain-Jy Chen</b> Professor Emeritus, Department of Economics, National Taiwan University, Taiwan <b>陳添枝</b> 國立臺灣大學經濟學系名譽教授(臺灣)  <b>2.Jack C. Chang</b> Senior Strategy Executive Director, Sustainability Industry, Science and Technology International Strategy Center, Industrial Technology Research Institute (ITRI), Taiwan <b>張超群</b> 工研院產科國際所永續資深策略長(臺灣)
	Discussion (20ms) 討論 (20 分鐘)	
12:00-14:00	Break 休息	

Time 時間 (UTC+8)	Program 議程	
14:00-15:30	<b>Section 3 : Semiconductor Industry Development in Asian</b> <b>場次三：亞洲半導體發展概況</b>	
	Moderator 主持人	<b>Jiann-Chyuan Wang</b> Vice President, Chung-Hua Institution for Economic Research (CIER), Taiwan <b>王健全</b> 中華經濟研究院副院長(臺灣)
	Panelists (each / 20ms) 引言人 (1 人/20 分鐘)	<p><b>1.Willem Thorbecke</b> Senior Fellow, Research Institute of Economy, Trade and Industry (RIETI), Japan <b>托爾貝克</b> 獨立行政法人經濟產業研究所資深研究員(日本) <b>Topic:</b> Increasing Resilience in Semiconductor Supply Chains <b>題目：</b>逐漸強化的半導體供應鏈韌性</p> <p><b>2.Sanguk Nam</b> Associate Research Fellow, Korea Institute for Industrial Economics &amp; Trade (KIET), Korea <b>南相旭</b> 產業經濟與貿易研究所副研究員(韓國) <b>Topic:</b> Korean semiconductor industry and the strategy of Korean government <b>題目：</b>韓國半導體產業及韓國政府之策略</p> <p><b>3.Jack C. Chang</b> Senior Strategy Executive Director, Sustainability Industry, Science and Technology International Strategy Center, Industrial Technology Research Institute (ITRI), Taiwan <b>張超群</b> 工研院產科國際所永續資深策略長(臺灣) <b>Topic:</b> Building a Resilient Global Supply Chain in the Semiconductor Industry <b>題目：</b>建立半導體產業之全球韌性供應鏈</p>
	Commentator (each / 10ms) 評論人 (1 人/10 分鐘)	<b>Chen-Fu Chien</b> Executive Vice Principal, National Tsing Hua University, Taiwan / Chair Professor, Department of Industrial Engineering and Engineering Management & College of Semiconductor Research, National Tsing Hua University, Taiwan <b>簡禎富</b> 國立清華大學執行副校長/國立清華大學工業工程與工程管理學系講座教授(臺灣)
	Discussion (20ms) 討論 (20 分鐘)	
15:30-15:50	Break 休息	
15:50-17:20	<b>Section 4 : The Perspectives of Building Long-term Resilient Semiconductor Supply Chain</b> <b>場次四：建立長期半導體韌性供應鏈之前景</b>	
	Moderator 主持人	<b>Shin-Horng Chen</b> Director & Research Fellow, Second. Research Division, Chung-Hua Institution for Economic Research (CIER), Taiwan <b>陳信宏</b> 中華經濟研究院第二研究所所長兼研究員(臺灣)

Time 時間 (UTC+8)	Program 議程	
	<p>Panelists (each / 20ms) 引言人 (1 人/20 分鐘)</p>	<p><b>1.Jan-Peter Kleinhans</b> Director, Technology and Geopolitics, Stiftung Neue Verantwortung (SNV), Germany <b>克萊恩漢斯</b> 柏林智庫新責任基金會科技與地緣政治專案主任(德國) <b>Topic:</b> Long-term trajectories for global semiconductor supply chain resilience <b>題目:</b> 全球半導體供應鏈韌性之長遠方向</p> <p><b>2.Tain-Jy Chen</b> Professor Emeritus, Department of Economics, National Taiwan University, Taiwan <b>陳添枝</b> 國立臺灣大學經濟學系名譽教授(臺灣) <b>Topic:</b> Decoupling and self-sufficiency: The impact of trade war on China's semiconductor industry <b>題目:</b> 脫鉤與自給自足：貿易戰對中國半導體產業之影響</p> <p><b>3.Satoshi Inomata</b> Senior Overseas Research Fellow, Institute of Developing Economics Japan External Trade Organization (IDE-JETRO) / Visiting Researcher, Organization for Economic Co-operation and Development, OECD <b>豬俣哲史</b> 貿易振興機構-亞洲經濟研究所高級海外研究員/經濟合作暨發展組織訪問學人(日本) <b>Topic:</b> A Risk Analysis on the Network Concentration of Global Supply Chains <b>題目:</b> 全球供應鏈網絡集中度風險分析</p>
	<p>Commentator (each / 10ms) 評論人 (1 人/10 分鐘)</p>	<p><b>Jeroen Groenewegen-Lau</b> Head of Program, Science, Technology and Innovation, Mercator Institute for China Studies (MERICS), Germany <b>兩龍</b> 墨卡托中國研究中心科技與創新計劃主持人(德國)</p>
	<p>Discussion (20ms) 討論 (20 分鐘)</p>	
17:20-17:25	<p><b>Closing Remarks 閉幕致詞</b></p>	