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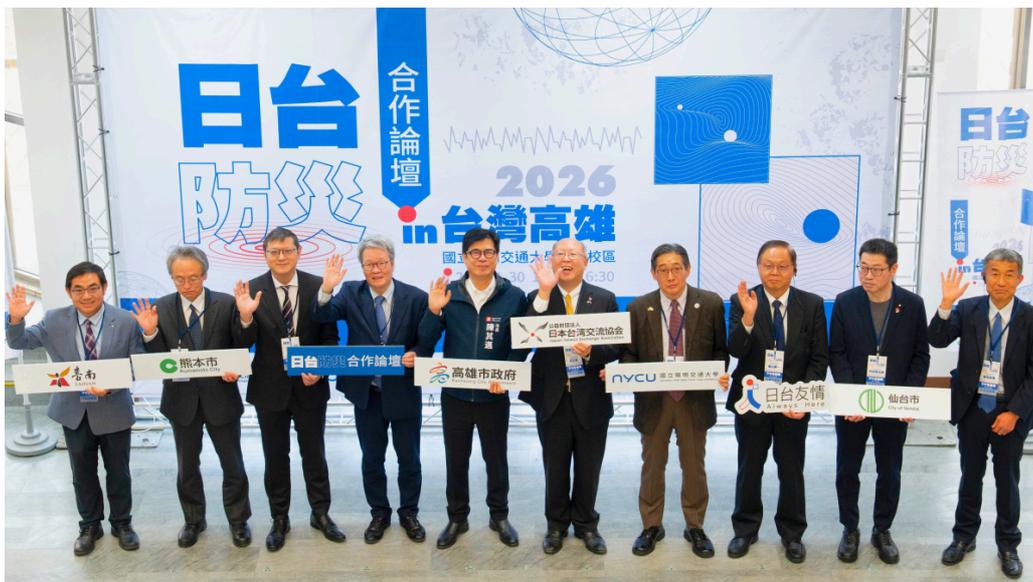
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International Affairs

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NYCU Hosts Japan–Taiwan Forum on Disaster Lessons and the Future of Resilient Cities



By Office of International
Promotion and Outreach

National Yang Ming Chiao Tung University (NYCU) and the Japan–Taiwan Exchange Association’s Kaohsiung Office convened the **Japan–Taiwan Disaster Prevention Forum in Kaohsiung 2026** on January 30 at NYCU’s

Learning across cities and
governance systems

The forum advanced along two parallel tracks: governance exchange and technical alignment.

On one front, participants



Kaohsiung campus, bringing together central and local government leaders, city governance teams, and industry and academic experts to confront a shared challenge: how societies prepare for an era of compound disasters.

Centered on the theme of cross-regional and cross-disciplinary collaboration, the forum focused on resilience strategies under extreme weather, seismic risk, and cascading hazards — conditions increasingly shaped by climate change and geopolitical uncertainty.



President Lai Ching-Te delivered remarks via video, calling Taiwan and Japan “family that stands together in times of hardship” and urging deeper disaster cooperation.

From national leadership to city-level coordination

The forum opened with remarks by President Lai Ching-te (William Lai),

established a shared language of resilience governance through international policy dialogue. On the other hand, city representatives from Sendai, Kumamoto, Kaohsiung, and Tainan engaged in detailed discussions of disaster experience, institutional design, emergency response protocols, and post-disaster recovery models. The emphasis was on city-level systems that are measurable, transferable, and operational — not abstract frameworks, but governance tools that can be tested and replicated.

Smart disaster technologies and energy resilience

A major focus was on integrating scientific and technological innovation into disaster management. Sessions examined how data modeling, AI-driven forecasting, and multi-source sensing systems can strengthen early warning capacity and real-time response, supported by collaboration among universities, government agencies, and private industry.

As advanced manufacturing



Masafumi Oku, Chief Representative of the Japan–Taiwan Exchange Association, Sendai Mayor Kazuko Kori, Kumamoto Mayor Kazufumi Onishi, and Kaohsiung Mayor Chen Chi-mai — underscoring a shared commitment by both Taiwan and Japan, from national leadership to city governments, to deepen cooperation in disaster preparedness.

President Lai noted that Kaohsiung and Tainan have actively deployed smart technologies to strengthen responses to extreme weather, warning that future disasters are unlikely to remain isolated events. Instead, climate volatility and geopolitical risk may transform single hazards into compound crises that demand integrated preparedness.

Mayor Chen highlighted that typhoon impacts in Kaohsiung have grown more severe and complex in recent years, often overlapping with seismic risks. He emphasized that Taiwan and Japan’s long history of mutual learning in disaster governance and urban recovery offers a

and renewable energy systems increasingly underpin national infrastructure, their resilience has direct consequences for urban stability and supply chains. Industry representatives — including Micron Taiwan, Delta Electronics, and clean-energy startups — shared insights into high-tech facility fire safety, energy storage solutions, and distributed power systems capable of sustaining operations during post-disaster recovery.

The discussion framed public safety and industrial resilience not as separate domains, but as interconnected pillars of modern urban survival.



Professor Chen Jyh-cheng of NYCU's College of Computer Science presents 5G solutions for disaster prevention and smart urban governance during the forum.

Universities as platforms for integration



practical framework for strengthening resilient cities.

Executive Yuan Minister without Portfolio and Minister of the Public Construction Commission, Chen Chin-de, followed with a policy-focused keynote linking governance, infrastructure resilience, and cross-agency coordination. His presence — along with senior engineering officials — reflected the central government's sustained commitment to disaster preparedness and institutional integration.



Executive Yuan Minister without Portfolio Chen Chin-te (right) and Kaohsiung Mayor Chen Chi-mai (second from right) attend an industry-academia exchange session during the forum.

The forum emphasized that effective disaster governance begins long before emergencies occur. Public safety must be embedded in everyday governance, not activated only during crises.

Universities, organizers argued, serve as critical integration platforms — translating research, data tools, and technical expertise into operational policy and industry practice. The program highlighted evidence-based decision-making and cross-sector coordination, aiming to move beyond knowledge exchange toward field validation and sustained collaboration.

At its core, disaster preparedness remains about people. Stronger institutions, infrastructure, and technology ultimately exist to ensure that, when emergencies strike, information flows clearly, decisions move faster, and frontline responders are never left unsupported. Through continued Taiwan-Japan cooperation and industry-government-academic partnerships, each exchange becomes a step



toward more actionable
readiness — safeguarding
the lives communities
depend on.

陽明交大攜手日本台灣交流協會合辦「日台防災論壇」 聚焦關鍵基礎設施、科技應用與新能源防災，推動跨國 產官學合作

照片 / 撰稿：國際宣傳辦公室

國立陽明交通大學與日本台灣交流協會高雄事務所於1月30日在陽明交大高雄校區共同舉辦「日台防災論壇 in 台灣高雄 2026」。論壇以「跨地域、跨領域」為主軸，邀集臺日中央與地方政府代表、城市治理團隊，以及產業與學研領域專家齊聚交流，針對極端氣候、地震與複合式災害情境下的韌性治理策略與科技應用進行深度對話。

中央到城市層級的防災共識

論壇開幕式由總統賴清德、日本台灣交流協會所長奧正史 (Masafumi Oku)、仙台市長郡和子 (Kazuko Kori)、熊本市長大西一 (Kazufumi Onishi) 及高雄市長陳其邁致詞，展現臺日自中央到城市層級對防災合作的共同重視。

總統賴清德指出，高雄與臺南近年積極運用智慧科技強化極端氣候應變，並提醒面對氣候變遷與地緣政治等多重挑戰，災害型態可能由單一事件演變為複合風險。

城市治理與制度經驗的互學

本次論壇議程以「治理經驗互學」與「技術方案對接」雙軸推進，從制度設計、應變流程到災後復原，聚焦城市層級可複製、可驗證的管理能力。

智慧防災與新能源韌性布局

在智慧防災面向，論壇著重防災科學技術與創新應用，討論資料模型、AI預測與多源感測如何強化事前預警與即時反應能力。



大學作為跨域整合平台

論壇強調，防災治理的核心在於將「公共安全」落實於平時治理，而非僅止於災時動員。大學除提供研究與人才培育，更可作為跨域整合平台。

防災的核心始終是「人」。透過持續的跨國交流與產官學合作，每一次討論與經驗都將轉化為更可操作的準備，守住我們共同在乎的生命安全。

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