International Physical AI & Robotics Symposium 2026

Turning Intelligence into Physical Action

📅 **December 3–4, 2026 | 09:00 – 17:30**
📍 **Asia University, Taichung, Taiwan**

About the Symposium

AI is moving beyond chatbots and software — into robots, factories, vehicles, and autonomous systems that sense, reason, and act in the real world. This is **Physical AI**, and it represents the next great competitive frontier for enterprise technology.

International Physical AI & Robotics Symposium 2026 brings together the pioneers building this future — engineers, researchers, and enterprise leaders working at the intersection of AI, robotics, and industrial automation. Over two days, attendees will explore how intelligent machines are reshaping manufacturing, healthcare, logistics, and human-machine collaboration, and what it truly takes to move Physical AI from experimentation to production at scale.

Why It Matters

From manufacturing and logistics to automotive and defense, organizations are investing heavily in AI systems capable of operating in physical environments. The question is no longer *whether* to adopt Physical AI — but *how* to deploy it reliably, safely, and at scale.

This symposium was created to answer that question: examining how leading organizations are embedding intelligence into machines, building the infrastructure to support it, and confronting the real-world challenges of scalability, reliability, and adoption.

Three Tracks, One Mission

This year’s symposium brings together leading researchers, policy leaders, and clinical innovators to explore the next frontier of robotics: moving beyond traditional automation

toward context-aware, physically intelligent, and nationally scalable systems. Key themes of the event include:

- **National AI Data/Infrastructure & Physical AI:** Leveraging national compute resources, research hubs, and open frameworks to advance embodied AI models, spatial intelligence, and large-scale data infrastructure.
- **Robotics, Autonomous Systems & Real-World AI**
  For teams to architect and building the systems: robotics brain and control, deployment, infrastructure, and the developer workflows powering intelligent machines in production.
- **Healthcare & Clinical Integration:** Translating national research outputs and physical AI technologies into clinical workflows, smart hospitals, and assistive devices (in partnership with China Medical University Hospital).

Keynote Session Details

- **Dates:** December 3–4, 2026
- **Location:** Asia University, Taichung, Taiwan

Featured Topics

- Physical AI & Robotics at Enterprise Scale
- Autonomous Systems & Industrial Automation
- AI Infrastructure, Data Platforms & Compute
- Spatial Intelligence and AI Deployment
- Human-AI Collaboration
- AI Reliability, Transparency & Safety
- From Prototype to scale up Production
- AI Developer Tools & Workflows

"Physical AI is rapidly moving from concept to deployment. The conversation is no longer just about models — it's about infrastructure, robotics, autonomous systems, and building AI that can reliably operate in the real world at scale."

03-Dec.-2026 (Thursday)		
08:30 - 09:00	**Registration**	
09:00 - 09:20	**Opening** **Dr. Jeffrey JP Tsai** **President of Asia University** **Opening Speech (Video)** **National Center for AI Robotics (NCAIR)** **Keynote Speech** **Dr. Jun-Liang Lin, Vice President of NARLabs and Acting Director General of NCAIR**	
09:20 - 10:20	**Keynote Speech** **When Robots Care: Assistive Medical Robotics from Hospital to Home** **Prof. Allison Okamura** **Dept. of ME, Stanford** **Stanford Robotic Center**	Session Chair **Dr. Ren-Hung Hwang** **Vice President** **Asia University**
10:20 - 11:20	**Keynote Speech** **From Generative AI to Physical AI** **Dr. David Kuo** **Executive Director,** **Software Technology Center** **Pegatron Corp.**	**Dr. Ching-Hsien (Robert) Hsu,** **Dean, College of Information and Electrical Engineering** **Asia University**
11:20 - 11:40	**Coffee Break**	
11:40 - 12:40	Panel Discussion: **Physical AI & Robotics** Moderator: **Prof. Ren-Hung Hwang, Asia Univ.** Distinguished Panelists: **Prof. Alison Okamura, Stanford** **Dr. David Kuo, Pegatron**	
12:40 - 13:40	Lunch Session	
13:40 - 14:40	**Keynote Speech** **Prof. Tsung-Wei Ke** **Robot Learning Beyond Imitation** **Dept of Computer Science,** **National Taiwan University**	Session Chair **Prof. Shiou Yun (Betty) Jeng** **Dept. Business Admin** **Asia University**
14:40 - 15:40	**Keynote Speech**	Session Chair

	Dr. George Cheng **Physical AI for UAS Infrastructure & Autonomous Operations** **CEO of Allwave, Torrance, CA** **US Defense Contractor, Formal TRW**	**Prof. Jr Wei, Tsai** **Vice Chairman** **Dept. CSIE** **Asia University**
15:40 – 16:00	Coffee Break	
16:00 - 17:30	**Panel Discussion: Robotics in Action** **Prof. Kuan-Tsae Huang, Asia Univ.** Distinguished Panelists: **George Cheng, Allwave** **Tsung-Wei Ke, NTU** **Yu, Pao-Ta, NCCU**	

4-Dec.-2026 (Friday)		
09:00 - 10:00	**Keynote Speech (Internet)** **Prof. Bijan Najafi, PhD** **Physical AI for Longevity** **Professor of Surgery & Bioengineering | AIMBE Fellow** **Editor-in-Chief, Digital Health and Innovation** **Research Director, Center for Advanced Surgical & Interventional Technology (CASIT)** **Co-Director, NSF IUCRC Center to Stream Healthcare in Place (C2SHIP)**	Session Chair **Prof. Chao-Ming Fu** **Vice President,** **International Affairs** Asia University
10:00 - 11:00	**Keynote Speech** **Prof. Kang Li** **Secured Physical & Edge-AI System on Chip (SOC) for All-Domain Autonomous Systems** **Director of UxV Research Center** **National Taiwan University**	Session Chair **Prof. Shuenn-Tsong Young** **Vice President** Asia University
11:00 - 11:20	**Coffee Break**	
11:20 - 12:30	Panel Discussion: Humanoid Architecture Moderator: **Prof. Chao-Ming Fu, Asia Univ.** Distinguished Panelists: **Prof. Bijan Najafi, UCLA Medicine** **Prof. Kang Li, NTU** **Dr. Li-Wei Chou, Asia University Hospital**	
12:30 - 13:30	Lunch Session	
13:30 - 14:30	**Keynote Speech** **Prof Yuichiro Yoshikawa** **Social Robotics: From Easier Conversations to Social Connections** **Graduate School of Engineering Science,** **Osaka University**	Session Chair **Dr. Augustine Tsai** **Prof. of Artificial Intelligence** **Vice Director** **Asia Robotics Research Center**
14:30 - 15:30	**Keynote Speech** **Alex Chu** **Physics-AI and Robotics Driven by Open-Source Foundation Models** **Market Intelligence & Consulting Institute** **Software Industry Research Center**	Session Chair **Gene-Eu Jan,** **Chair Professor** **Computer Science and Information Engineering**

	Institute for Information Industry, Taiwan	Asia University
15:30 - 15:50	Coffee Break	
15:50 - 17:20	**Panel Discussion: Robotics Operational Management** **Moderator:** **Prof. Augustine Tsai** **Dean of Academic Affairs and International Affairs** **Asia University** Distinguished Panelists: **Prof. Yuichiro Yoshikawa, Osaka Univ.** **Alex Chu, III**	
17:20-17:30	Closing Remark **Dr. Kuan-Tsae Huang** **Director, Humanoid Research Center** Asia University	