

Prof. Kazuo Asano Urges Cultivating Observation and Listening Skills Beyond AI's Reach



"Understanding humanity itself is crucial. It's not just about cold, hard academics but about embracing the warmth and spirit of human beings," stated Professor Kazuo Asano, Vice President of Heisei International University in Japan. During the Tamkang Clement and Carrie Chair Lecture delivered on November 22 at 10:30 a.m. to the faculty and students of the Department of Global Political Economics at the College of International Affairs, Prof. Asano addressed the heated discussions surrounding AI. He emphasized that higher education

should play a vital role in fostering students' observation and listening skills. With the theme "Impact on Social Sciences and its Future Development in the Age of AI," Prof. Kazuo Asano delivered a speech in Japanese after receiving the Tamkang Clement and Carrie Chair Trophy from Vice President for Academic Affairs, Prof. Hui-Huang Hsu. The lecture was held at the Chang Yeo Lan International Conference Hall of the Hsu Shou-Chlien International Conference Center. Prof. Asano announced, "We will conduct two translation games" — live translations between Chinese and English — to evaluate AI's capabilities in

facilitating cross-linguistic communication. Prof. Kazuo Asano emphasized that the advent and application of generative AI, such as ChatGPT, have profoundly impacted social sciences and daily life within just two years. However, the potential risks associated with AI cannot be overlooked. He highlighted that while AI development brings numerous opportunities, it also presents significant challenges. "We need to find a balance to ensure that the advancement of AI technology does not negatively affect society," he stated.

Prof. Monte Cassim: Academia is the Hope for Humanity's Future, Interdisciplinary Collaboration is Key

Wearing a shirt he purchased during his visit to Taiwan more than a decade ago, Professor Monte Cassim, President of Akita International University (AIU), delivered a Tamkang Clement and Carrie Chair Lecture on November 4 at 1:00 PM in the Chang Yeo Lan International Conference Hall of the Hsu Shou-Chlien International Conference Center. During his speech, he invited Chairperson Flora Chia-I Chang, an old acquaintance seated in the audience and with whom he had once taken a commemorative photo, saying, "Could we use our language-oriented programs to collaborate across different disciplines? We might create an

exciting modern society." The lecture, titled "The Value of Sound Scholarship: Shaping the Future with Hope, Creativity, and Honor," At the outset, Prof. Cassim declared, "Academia is the hope for humanity's future," emphasizing that the future world will be vastly different, and its challenges cannot be solved solely through technology and science. He advocated for interdisciplinary collaboration, bridging social sciences and the humanities. Expressing faith in the creativity of young people, he encouraged students to take risks, step out of their comfort zones, and explore different parts of the world. "Embark on a wonderful journey into the hearts and

minds of people who are different from you," he urged. Drawing from his own experience of transitioning from microbiology to a program in art and technology, and later shifting paths to become an architecture scholar, he illustrated his point. He explained that architecture encompasses various disciplines, including art, history, archaeology, materials science, mathematics, dynamics, and calculus. "Through moving to architecture, I learned the value of expertise that transcends a single discipline," he remarked. He emphasized the importance



of collaboration among experts, stating, "If you truly believe one discipline is the best for you, try working with people from other fields to organize your team."

Prof. Yukio Tamura Uses Tamura Model to Inspire Students to Understand Phenomena from a Spiritual Perspective



Invited by the Department of Civil Engineering, Professor Yukio Tamura, an Honorary Professor at Tokyo Polytechnic

University in Japan, delivered a Tamkang Clement and Carrie Chair Lecture on November 14 at 10:10 a.m. in the Chang Yeo Lan International Hall of the Hsu Shou-Chlien International Conference Center. His speech, titled "Mathematical Models for Understanding Phenomena: Physical View and Mind View," explored the development process of mathematical models for vortex-induced vibration phenomena of cylinders based on his own observations and reflections. Prof. Tamura encouraged the students in attendance

to grasp the essence and mechanisms of phenomena and to appreciate the true charm of research. Prof. Yukio Tamura began his lecture by stating, "Observation captures facts or phenomena from a physical perspective, but ultimately, it should be transformed into a spiritual perspective to understand phenomena." He emphasized the necessity of striving to understand phenomena and encouraged students to uncover the indirect messages hidden between the lines when reading textbooks (Read between the lines.). He explained that doing so allows one to gain more than others. He outlined the process of

transforming raw data into information, then into knowledge through analysis, and ultimately integrating it into personal experience and Intelligence. One can better grasp every observational element by leveraging AI (Analysis and Integration), ultimately achieving Quality Sublimation. The final slide of the presentation featured the famous Japanese painting The Thirty-Six Views of Mount Fuji. Pointing to the boat caught beneath the towering wave, he asked the faculty and students in attendance, "How can you achieve your goals?" His answer: "By having a far-reaching vision and working diligently on the boat."

Prof. Ahsan Kareem Discusses Wind Engineering from a Historical Perspective

Professor Ahsan Kareem from the Department of Civil & Environmental Engineering & Earth Sciences at the University of Notre Dame, United States, was invited by the Department of Civil Engineering to deliver a Tamkang Clement and Carrie Chair Lecture on November 14 at 1:10 p.m. in the Chang Yeo Lan International Conference Hall of the Hsu Shou-Chlien International Conference Center. The lecture introduced the essence, intricacies, and applications of wind engineering under the title: "Wobbly Tall Deep and Long Span Structures: Historical Perspectives to Recent Advances and Beyond."

In his lecture, Prof. Ahsan Kareem provided a concise summary of the historical development of dynamics in high-rise buildings, deep-sea platforms, and long-span bridges. Starting with the premise that everything in the world is an oscillator with oscillatory characteristics, he seamlessly connected this concept to the swaying of tall buildings, deep-sea structures, and long-span bridges. Prof. Ahsan Kareem noted that fluid motion equations are mathematically unsolvable, leading to reliance on wind tunnel physical modeling for high-rise buildings, long-span bridges, and offshore platforms. Against this backdrop, he provided a historical overview

of fundamental techniques for quantifying wind loads and their dynamic effects. These techniques include analytical methods, experiments, computational fluid dynamics (CFD), model- and data-driven simulation approaches, database-supported platforms, code- and standards-based procedures, and full-scale monitoring. These are applied to high-rise buildings, long-span bridges, and deepwater offshore platforms. Finally, Prof. Ahsan Kareem emphasized the critical importance of AI, asserting that it can no longer be ignored. He advocated



for incorporating AI elements into every course to promote the development of exceptional engineering practices.