



國立臺灣師範大學  
NATIONAL TAIWAN NORMAL UNIVERSITY

# 頂尖學術講座

## Distinguished Lecture Series

玉山學者

**黃正德** 院士

Prof. C.-T. James Huang



# 生成語言學：大腦駭客還是AI?

Generative Linguistics: Brain Hacking or AI?

2024年11月14日(四)



線上報名  
請掃QRCode

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Lecture Mode: English

10:30-12:00

臺師大教育大樓202國際會議室

09:30-10:00 報到 Registration

10:00-10:30 開幕式 Opening Remarks

10:30-12:00 演講與交流 Distinguished Lecture & Interactive Q&A

## About the Speaker

黃正德教授現任國立臺灣師範大學玉山學者與英語學系講座教授，亦為哈佛大學語言學系榮譽退休教授及語言學研究教授。他是句法理論、句法-語義介面以及漢語語言學領域的開創性學者，並獲選為歐洲科學院院士、中研院院士及美國語言學學會院士。黃教授的研究對語言結構與認知過程的相互關係帶來深遠影響，並為探討句法與語義的普遍性及語言特定性問題提供重要的理論觀點與創見。

Professor C.-T. James Huang is a Yushan Scholar and Chair Professor in the Department of English at National Taiwan Normal University, and a Professor Emeritus and Research Professor of Linguistics at Harvard University. He is widely recognized for his groundbreaking work in syntactic theory, the syntax-semantics interface, and Chinese linguistics. His distinguished achievements have earned him fellowships in the European Academy of Sciences, Academia Sinica, and the Linguistic Society of America. His research has significantly advanced our understanding of how linguistic structures mirror cognitive processes, offering profound insights into the universal and language-specific aspects of syntax and meaning.

## Abstract

語言反映人腦認知系統。語言學家透過觀察語言行為來理解其運作、習得方式及其運作原因。本次演講將探討生成語法如何從生物語言學角度回答基本科學問題，並通過跨語言資料揭示語言知識的本質、語言共性與語言間的個別差異，及其對語言科學領域的貢獻與挑戰。儘管生成AI的技術成就尚無法解決語言理論的科學問題，但可利用AI卓越的大量數據處理能力來加速語言研究，並以理論成果優化AI系統設計，推動科學研究和技術創新。

Language reflects the brain's cognitive system. Linguists analyze observable human language behavior to understand how it functions, is acquired, and why it operates as it does. In this talk, I will explore how Generative Grammar, through a biolinguistic approach, tackles fundamental scientific questions. Using cross-linguistic data, I will illustrate how the nature of linguistic knowledge and its acquisition are accounted for, and how patterns of language variation both contribute to and raise new challenges for linguistic theory. While Generative AI is a remarkable technological achievement, it does not address the scientific questions of linguistic theory. However, AI's data processing capabilities can greatly assist linguistic research, and insights from theory can help refine relevant AI systems. This synergy can drive both scientific progress and technological innovation.

主辦單位：國立臺灣師範大學

協辦單位：文學院、英語學系