



Department of Psychology  
The University of Hong Kong

香港大學心理學系

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## Departmental Seminar

# Why I Abandoned Traditional Experimental Psychology After 20 Years



### Prof. Liqiang Huang

Professor  
Department of Psychology  
Chinese University of Hong Kong

11:00a.m. – 12:00n.n.

Chamber, 11/F  
The Jockey Club Tower  
Centennial Campus  
The University of Hong Kong

### About the talk:

First, I would like to share the profound difficulties I encountered while applying traditional experimental psychology methods: the ambiguity of theoretical definitions, the fragmentation of research findings, and the overwhelming complexity I faced when attempting to address both issues simultaneously. Next, I will propose a framework for understanding these problems—the "PBS Impossible Trinity." Building on this, and drawing inspiration from the AI revolution, I will introduce a new method: the Comprehensive Exploration approach. This method effectively minimizes the aforementioned difficulties, enabling us to conduct large-scale research that is both precise and broad in scope. A key distinction between CE and traditional experimental psychology lies in its requirement to abandon theory-driven experimental designs and instead adopt a stimulus-driven design approach, inspired by methodologies in the field of AI.

### About the speaker:

Liqiang Huang is a professor in the Department of Psychology at the Chinese University of Hong Kong. His current research focuses on a comprehensive exploration approach, which involves the combined use of large-scale behavioral experiments and quantitative, interpretable models to advance psychological science. He completed his undergraduate and master's training in optical engineering at Zhejiang University, followed by a Ph.D. in Experimental Psychology from UC San Diego and postdoctoral research at Princeton University. He has published research articles in journals such as Science, Psychological Review, Nature Human Behaviour, and Nature Communications.

### Zoom Meeting (For participants who couldn't attend the Seminar in person)

<https://hku.zoom.us/j/6985555998?pwd=V05yTGJWNTIzazd2OFZ0Q3FReHVkdz09>

Meeting ID: 698 555 5998 | Password: Psyc

~ All are Welcome ~

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