

De-Wei Dai 戴得偉

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PhD Student

ORCID: [0009-0000-8998-6045](https://orcid.org/0009-0000-8998-6045)

The University of Sydney

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Education

National Taiwan University

M.S. in Psychology 2024
(specializing in experimental/cognitive psychology)

B.S. in Psychology 2022
(Neurobiology and Cognitive Science Program)

Research Interests

Vision, Subjective Timing, Causality, Sense of Agency, Unconscious Processing

Research Experiences

Brain and Consciousness Lab, National Taiwan University 2022-24
Advisor: Professor Po-Jang (Brown) Hsieh

Master's Thesis

[Intentional Binding in Multimodal Contexts.]

Using a modified Libet Clock paradigm, the study examines the distorted subjective timing associated with voluntary actions that produce audiovisual outcomes. The results show that modalities heavily influence the magnitude of the IB effect.

Scholarships

University of Sydney International Stipend Scholarship (USYDIS) 2025
University of Sydney International Tuition Fee Scholarship

Publication

Dai, D.-W., & Hsieh, P.-J. (2025). Visual information shows dominance in determining the magnitude of intentional binding for audiovisual outcomes. *Journal of Vision*, 25(1), 7–7. <https://doi.org/10.1167/jov.25.1.7>

Peer Review Contribution

Reviewer role for *Consciousness and Cognition* 2025

Conference Presentations

Dai, D.-W., & Hsieh, P.-J. (July 2024). *Temporal binding for auditory outcomes is attenuated when accompanied by visual components*. Poster presentation at the Annual Meeting of the Association for the Scientific Study of Consciousness, Tokyo, Japan.

Dai, D.-W., & Hsieh, P.-J. (May 2024). *High perceptual load attenuates the magnitude of intentional binding for audiovisual events*. Poster presentation at the Annual Meeting of the Vision Sciences Society, Tampa, FL.

Dai, D.-W., & Hsieh, P.-J. (August 2023). *The effect of perceptual causality on intentional binding and temporal judgment*. Poster presentation at the Meeting of Consciousness Research Network, Taipei, Taiwan.

Honor and Awards

Subsidy for Graduate Students to Attend International Conference <i>Awarded by the National Science and Technology Council (1500 USD)</i>	2024
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Academic Poster Competition Award (Honorable Mention) <i>NTU Psychology</i>	2024
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Teaching Assistantship

Cognitive Psychology & General Psychology Seminar on General Psychology <i>(independent lecture and leading group discussion)</i>	2022-24
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Research Skills

- Familiar with behavioral/psychophysics method, linear mixed model
- Elementary with EEG/fMRI data processing
(A+ on the following courses: Functional Brain Imaging Experimental Design and Analysis; Introduction to Event-Related Potential Data Collection and Analysis)

Computer Skills

Fluent: Python, R, JASP (experiment programming and statistical analysis)
Elementary: Matlab (EEG LAB/SPM/PTB), Javascript & HTML (online exp.)

Extracurricular Activity

[Thinking Eyes] <i>Photography Exhibition at the National Taiwan Library</i> https://deweidai.com/thinking-eyes/	2024
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