

## Special Issue

# Cognitive Processes in Technology-Enhanced Learning: Integrating Technology with Human Cognitive Architecture

### Message from the Guest Editor

This Special Issue invites contributions that examine the intersection of technology-enhanced learning and human cognition, with particular emphasis on cognitive processes such as working memory, attention, and knowledge construction. This issue directly aligns with the Journal of Intelligence's mission by connecting educational technology research to fundamental questions about cognitive performance, individual differences, and intelligent behavior in designed environments. We welcome submissions addressing themes including, but not limited to, the following: **Cognition:** Cognitive load, working memory, attention and engagement, knowledge construction, metacognition, self-regulation, and individual differences. **Technology:** Multimedia environments, immersive learning environments (VR/AR/XR, digital twins, simulations), AI-driven adaptive systems, adaptive learning technologies, and human-computer interaction. **Methods and Measurement:** Experimental and quasi-experimental designs, systematic reviews and meta-analyses, eye-tracking, physiological measures, learning analytics, self-report and subjective measures, and multimodal data. We look forward to receiving your contributions.

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### Guest Editor

Dr. Robert Otto Davis

Department of Education, Chonnam National University, Gwangju 61186, Republic of Korea

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### Deadline for manuscript submissions

31 May 2027



## Journal of Intelligence

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## About the Journal

### Message from the Editor-in-Chief

The relatively new and ambitious *Journal of Intelligence* is devoted to the study of human intelligence. Intelligence is a fundamental core of being human, with far-ranging implications for all members of our society. Now more than ever, in a world in which most have access to the Internet, information, and misinformation, with reduced face-to-face interactions, understanding how to measure and develop human intelligence is a critical and vital mission. Human intelligence is studied from many different perspectives, for different purposes, and this journal has an open policy with respect to approaches and methodologies. We encourage submissions with the potential to innovate, show alternative perspectives, and highlight the importance of developing and measuring intelligence as well as studies on intelligence that have an impact on our lives.

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### Editor-in-Chief

Prof. Dr. Con Stough

Centre for Human Psychopharmacology, Swinburne University of  
Technology, Hawthorn, VIC 3122, Australia

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### Author Benefits

#### High Visibility:

indexed within Scopus, SSCI (Web of Science), PubMed, PMC, PsycInfo, PSYINDEX, and other databases.

#### Journal Rank:

JCR - Q1 (Psychology, Multidisciplinary) / CiteScore - Q1  
(Experimental and Cognitive Psychology)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 33.9 days after submission; acceptance to publication is undertaken in 5.5 days (median values for papers published in this journal in the second half of 2025).