

Mathematics & AI session 3 - Speaker

Ichiro Ide

School of Informatics,
Graduate School of Informatics,
Nagoya University, Japan

ide@i.nagoya-u.ac.jp



Title

**Quantifying visual impressions of words based on
real-world data analysis**

Brief biography

Prof. Ichiro Ide received his B.Eng., M.Eng., and Ph.D. from The University of Tokyo in 1994, 1996, and 2000, respectively. He became an Assistant Professor at the National Institute of Informatics, Japan, in 2000. Since 2004, he has been an Associate Professor, and since 2020, a Professor at Nagoya University. He was also a Visiting Associate Professor at the National Institute of Informatics from 2004 to 2010, an Invited Professor at Institut de Recherche en Informatique et Systèmes Aléatoires (IRISA), France, in 2005, 2006, and 2007, and a Senior Visiting Researcher at ISLA, Instituut voor Informatica, Universiteit van Amsterdam, from 2010 to 2011. His research interests range from the analysis and indexing to the retargeting of multimedia contents, especially in large-scale broadcast video archives, mostly on news, cooking, and sports contents. He is a Senior Member of IEICE and IPSJ, and a member of JSAI, IEEE, and ACM.

Abstract

Attempts to quantify impressions of linguistic information have been made in both Psycholinguistics and Computer Science fields. In Psycholinguistics, various metrics have been proposed to quantify word impressions, and corresponding dictionaries were created based on large-scale subjective evaluations. In contrast, recently, in Computer Science, attempts have been made to estimate Psycholinguistic metrics using real-world data without conducting large-scale subjective evaluations. This talk will introduce our work specifically aimed at quantifying visual impressions of words from real-world data ranging from Web images to Large Language Model (LLM) and Large Vision-Language Model (LVLM).