

Keynote Speech 2: Quantifying Visual Impressions of Words Based on Real-World Data Analysis

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Biography:



Ichiro Ide received the B.Eng., M.Eng., and Ph.D. degrees from The University of Tokyo, in 1994, 1996, and 2000, respectively. He became an Assistant Professor with the National Institute of Informatics (NII), Japan, in 2000, and an Associate Professor with Nagoya University, Japan, in 2004, where he has been a Professor, since 2020. He was a Visiting Associate Professor with the NII from 2004 to 2010, an Invited Professor with Institut de Recherche en Informatique et Systemes Aleatoires (IRISA), France, in 2005, 2006, and 2007, and a Senior Visiting Researcher with ISLA, Instituut voor Informatica, Universiteit van Amsterdam, the Netherlands, from 2010 to 2011. His research interests include the analysis and indexing to authoring and generation of multimedia content, especially in large-scale broadcast video archives and social media, mostly on news, cooking, and sports content. He is a Senior Member of IEEE, IEICE and IPS Japan and a member of ACM, JSAI, and ITE.

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).