Mathematics & AI Session 4 - Speaker

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Title

Towards the understanding of human perception through generative AI technology

Brief biography

Ichiro Ide (Senior Member, IEEE) 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, 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 National Institute of Informatics, from 2004 to 2010, an Invited Professor with Institut de Recherche en Informatique et Systèmes Aléatoires (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 IEICE and IPS Japan and a member of ACM, JSAI, and ITE.

Abstract

In recent years, advance in generative AI technologies is drastically changing our research environment. We have been considering the large models behind these technologies as a source of collective knowledge on human perception. In this talk, I will introduce our attempts to systematically quantify human perception of nonwords by means of generative AI models. This will allow us to better understand human perception of words in general, and also apply to help branding new services, products, and so on.