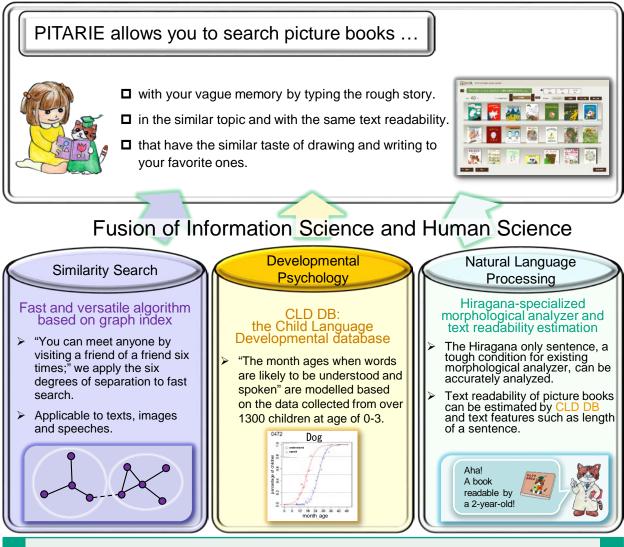


## PITARIE: Find a picture book just right for a child

~Picture-book search with interdisciplinary approach~

## Abstract

PITARIE is a system that finds the appropriate picture books depending on the developmental stage of children. Reading timely and apposite picture books not only helps advance the child's vocabulary and emotional development but also promotes the communication with the child. We aim to provide evidence-based assistance for education in infancy and childhood by presenting apposite picture books based on the human science as well as the information science; we not only utilize the latest advances in the research fields of similarity search and natural language processing, but also introduce the knowledge in developmental psychology. We are conducting joint experiments with a local government and an NPO to increase the availability of PITARIE.



## [Reference]

[1] T. Hattori, S. Fujita, K. Aoyama, "Picture Book Similarity Search by Fusing Multiple Linguistic Features," Proc. 29th Annual Conference of JSAI, 2E4-NFC-01b-5, 2015. (in Japanese)

[2] S. Fujita, T. Kobayashi, Y. Minami, H. Sugiyama, "Target Age Estimation of Texts for Children," Cognitive Studies. Vol. 22, No. 4, pp. 604-620, 2015. (in Japanese)

## [Contact]

 Takashi Hattori
 Learning and Intelligent Systems Research Group, Innovative Communication Laboratory

 E-mail : hattori.takashi(at)lab.ntt.co.jp