

京都大学デザイン学大学院連携プログラム

第2回京大デザイン心理学講演会および若手ワークショップのご案内

この度、カーネギーメロン大学の David C. Plaut 先生にご講演いただくことになりましたのでお知らせいたします。Plaut 先生は、同大学の認知の神経学的基盤センターにおいて、読みなどの言語処理や意味処理に関わる認知過程のコンピューショナル・モデリングを中心に研究を進めておられます。今回のご講演では、認知神経心理学的研究における、ニューロコンピューショナル・デザインの役割について、具体例をもとに論じていただきます。また、この講演会の後には、若手研究者によるワークショップ「Design Psychology Workshop on Memory and Language」を開催いたしますので、こちらにもご参加いただきたくご案内申し上げます。なお、講演、発表、質疑応答は英語で行われます。

日時：2013年3月12日（火）13:30～15:00（講演会）、15:00-17:00（ワークショップ）

場所：京都大学教育学部本館1F 第一会議室

<http://www.educ.kyoto-u.ac.jp/visitors/acces/>

講演者：Professor David C. Plaut (Department of Psychology and the Center for the Neural Basis of Cognition Carnegie Mellon University)

講演題目：Neurocomputational design of reading and language: Using neural-network modeling to inform cognitive neuropsychology

講演要旨：Within the "triangle" model of word reading in which orthographic, phonological, and semantic representations mutually constrain each other correct pronunciation of low-frequency exception words depends on semantic support. Semantic dementia a relatively selective form of semantic impairment should, therefore, give rise to surface dyslexia, in which such items are regularized (e.g., SEW mispronounced as "sue" instead of "so"). Although this pattern holds for the large majority of semantic dementia patients, the existence of individual cases with intact reading has been taken as strong evidence against the triangle model. Empirical and computational studies demonstrate, however, that these cases are best understood as falling within a distribution of effects that is fully captured by the model. The results emphasize the importance of considering variability across individuals in the study of the neural basis of cognitive function.

ワークショッププログラム：

15:00-15:45 <Session 1>

Masataka Nakayama (Graduate School of Education, Kyoto University):

Testing mechanisms for acquisition and application of long-term phonological knowledge for serial ordering

Yuki Tanida (Graduate School of Education, Kyoto University):

Effects of long-term phonotactic and prosodic knowledge on phonological short-term memory

15:45-16:30 <Session 2>

Keisuke Inohara (Department of Neuropsychiatry, University of Fukui):

Effect of reading habits on vocabulary: Examination by latent semantic analysis

Ryo Ishibashi (Human Brain Research Center, Kyoto University):

The neural network for tool cognition: An ALE meta-analysis

16:30-17:00 <Comments and Discussions>

David C. Plaut (Department of Psychology and the Center for the Neural Basis of Cognition Carnegie Mellon University)

世話人：齊藤 智（京都大学教育学研究科）