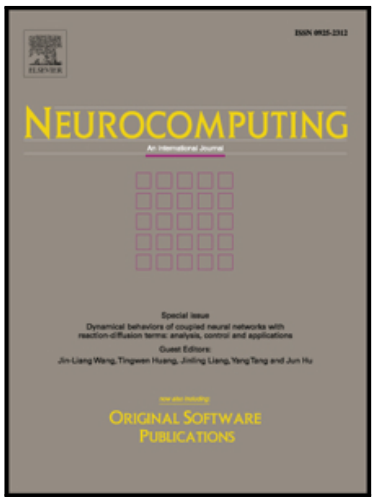
Accepted Manuscript



BHCR: RSVP Target Retrieval BCI Framework Coupling with CNN by A Bayesian Method

Liangtao Huang, Yaqun Zhao, Ying Zeng, Zhimin Lin

PII: S0925-2312(17)30169-8
DOI: 10.1016/j.neucom.2017.01.061
Reference: NEUCOM 17981

To appear in: *Neurocomputing*

Received date: 28 August 2016
Revised date: 11 December 2016
Accepted date: 22 January 2017

Please cite this article as: Liangtao Huang, Yaqun Zhao, Ying Zeng, Zhimin Lin, BHCR: RSVP Target Retrieval BCI Framework Coupling with CNN by A Bayesian Method, *Neurocomputing* (2017), doi: 10.1016/j.neucom.2017.01.061

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- A BCI framework couples HV and CV for target image retrieval is proposed.
- A Bayesian brain-computer interaction method consists the core of our framework.
- We conduct a comparison on classification algorithm for EEG-decoding module.
- A CV system based on convolutional neural network is introduced for our framework.
- Further propose a propagation scheme and an image database retrieval scheme.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4947624

Download Persian Version:

https://daneshyari.com/article/4947624

Daneshyari.com