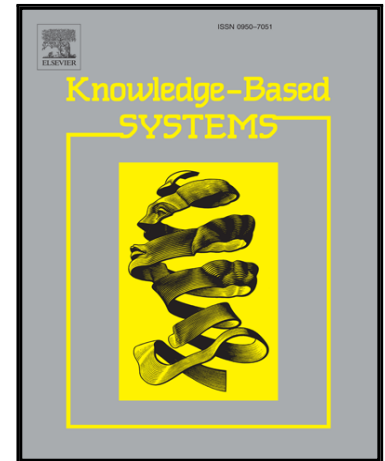


Accepted Manuscript

When Ensemble Learning Meets Deep Learning: a New Deep Support Vector Machine for Classification

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PII: S0950-7051(16)30160-5
DOI: [10.1016/j.knosys.2016.05.055](https://doi.org/10.1016/j.knosys.2016.05.055)
Reference: KNOSYS 3552



To appear in: *Knowledge-Based Systems*

Received date: 10 November 2015
Revised date: 9 March 2016
Accepted date: 28 May 2016

Please cite this article as: Zhiquan Qi, Bo Wang, Yingjie Tian, Peng Zhang, When Ensemble Learning Meets Deep Learning: a New Deep Support Vector Machine for Classification, *Knowledge-Based Systems* (2016), doi: [10.1016/j.knosys.2016.05.055](https://doi.org/10.1016/j.knosys.2016.05.055)

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Highlights

- Focusing on the DL research based on Support Vector Machine (SVM)
- First give an Ex-Adaboost learning strategy
- Proposing a new Deep Support Vector Machine (called DeepSVM)
- Using Ex-Adaboost to not only select SVMs with the minimal error rate and the biggest diversity, but also give each feature's weight for the new training data
- Obtaining a new set of deep features that can be classified more easily
- Entering training data represented by these new features into a standard SVM

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