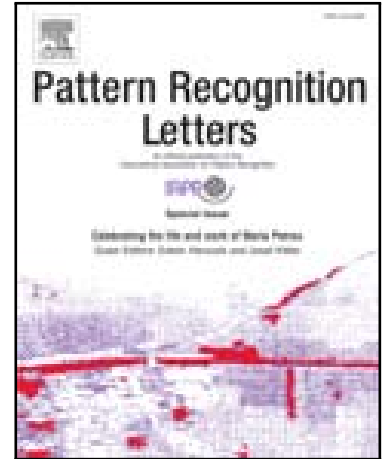


## Accepted Manuscript

A community discovery algorithm based on boundary nodes and label propagation

Qiong Gui , Rui Deng , Pengfei Xue , Xiaohui Cheng

PII: S0167-8655(17)30464-6  
DOI: [10.1016/j.patrec.2017.12.018](https://doi.org/10.1016/j.patrec.2017.12.018)  
Reference: PATREC 7034



To appear in: *Pattern Recognition Letters*

Received date: 3 July 2017  
Revised date: 8 December 2017  
Accepted date: 14 December 2017

Please cite this article as: Qiong Gui , Rui Deng , Pengfei Xue , Xiaohui Cheng , A community discovery algorithm based on boundary nodes and label propagation, *Pattern Recognition Letters* (2017), doi: [10.1016/j.patrec.2017.12.018](https://doi.org/10.1016/j.patrec.2017.12.018)

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.



## Highlights

- The LBN algorithm removes mostly random selection from LPA algorithm.
- The LBN algorithm has better stability than LPA algorithm.
- The LBN algorithm reduces the iteration times and keeps the original time efficiency.
- The LBN algorithm can discover the number of divided communities with less steps.
- The results discovered by LBN algorithm are almost consistent with real database.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6940321>

Download Persian Version:

<https://daneshyari.com/article/6940321>

[Daneshyari.com](https://daneshyari.com)