
[ABS-29] Abstract Submitted to AASEC 2018

1 pesan

AASEC 2018 <aasec2018.automail@upiconf.org>

28 Februari 2018 pukul 21.23

Balas Ke: aasec@upi.edu

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Dear Mr. Hartono Hartono,

We have received the submission of your abstract:

Abstract ID:

ABS-29

Please use this "Abstract ID" in all correspondence (instead of abstract title).

Title:

Hybrid Approach Redefinition (HAR) Model for Optimizing Hybrid Ensembles in Handling Class Imbalance: A Review and Research Framework

Authors:

Hartono Hartono; Opim Salim Sitompul; Tulus; Erna Budhiarti Nababan

Institutions:

STMIK IBBI

Content:

The purpose of this research is to develop a research framework to optimize the results of hybrid ensembles in handling class imbalance issues. The imbalance class is a state in which the classification results give the number of instances in a class much larger than the number of instances in the other class. In machine learning, this problem can reduce the prediction accuracy and also reduce the quality of the resulting decisions. In these circumstances classes with fewer members tend to be ignored even though they contain important information. In general, there are four approaches used in handling class imbalance problems: Feature Selection Approach, Level Approach Algorithm, Cost Sensitive Approach, and Ensemble Learning Method. Hybrid Ensembles is an ensemble learning method approach that combines the use of bagging and boosting, where in every stage of bagging a number of boosting processes will take place. Optimization of Hybrid Ensembles is done with the intent to reduce the

number of classifier and also obtain better data diversity. Based on an iterative methodology, we review, analyze, and synthesize the current state of the literature and propose a completely new research framework for optimizing Hybrid Ensembles. In doing so, we propose a new taxonomy in ensemble learning that yields a new approach of sampling-based Ensembles and will propose an optimization Hybrid Ensembles using Hybrid Approach Redefinition (HAR) Model that combines the use of Hybrid Ensembles and Sampling Based Ensembles methods. We further provide an empirical analysis of the reviewed literature and emphasize the benefits that can be achieved by optimizing Hybrid Ensembles.

Keywords:

Hybrid Ensembles, Number of Classifier, Data Diversity, Hybrid Approach Redefinition (HAR)

Topic:

AS-03 Computer Science

Presenter:

Hartono Hartono

Type:

Oral Presentation

The Letter of Acceptance (LoA) and Letter of Invitation (LoI) can be downloaded directly from your account, once your abstract is accepted to be presented.

Thank you.

Best Regards,

AASEC 2018 Organizing Committee

Website : <http://aasec.conference.upi.edu/2018>

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[ABS-29 FULL_PAPER] File Submitted to AASEC 2018

1 pesan

AASEC 2018 <aasec2018.automail@upiconf.org>

29 April 2018 pukul 17.09

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Dear Mr. Hartono Hartono,

We have received the submission of your file.

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File: http://aasec2018.upiconf.org/kfz/files/full_paper_abs-29_6267349068.doc

Abstract ID:

ABS-29

Title:

Hybrid Approach Redefinition (HAR) Model for Optimizing Hybrid Ensembles in Handling Class Imbalance: A Review and Research Framework

Authors:

Hartono Hartono;Opim Salim Sitompul;Tulus;Erna Budhiarti Nababan

Type:

full_paper

Topic:

AS-03 Computer Science

Presenter:

Hartono Hartono

Thank you very much.

Best Regards,

AASEC 2018 Organizing Committee

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AASEC 2018

The 3rd Annual Applied Science and Engineering Conference

Grand Tjokro Hotel, 18 April 2018

Website: <http://aasec.conference.upi.edu/2018>

Email: aasec@upi.edu

Date: 10 April 2018

Letter of Acceptance

Dear Authors: Hartono Hartono;Opim Salim Sitompul;Tulus;Erna Budhiarti Nababan

We are pleased to inform you that your abstract (ABS-29, Oral Presentation), entitled:

"Hybrid Approach Redefinition (HAR) Model for Optimizing Hybrid Ensembles in Handling Class Imbalance: A Review and Research Framework"

has been reviewed and accepted to be presented at AASEC 2018 conference to be held on 18 April 2018 in Bandung, Indonesia.

Please submit your full paper and make the payment for registration fee before the deadlines, visit our website for more information.

Thank You.

Best regards,

A handwritten signature in black ink, appearing to be 'Dr. Ade Gafar Abdullah'. The signature is fluid and cursive, with a large loop at the end.

Dr. Ade Gafar Abdullah
AASEC 2018 Chairperson

[ABS-29 REVISED_PAPER] File Submitted to AASEC 2018

2 pesan

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22 Mei 2018 pukul 12.22

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Dear Mr. Hartono Hartono,

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Abstract ID:
ABS-29

Title:
Hybrid Approach Redefinition (HAR) Model for Optimizing Hybrid Ensembles in Handling Class Imbalance: A Review and Research Framework

Authors:
Hartono Hartono;Opim Salim Sitompul;Tulus;Erna Budhiarti Nababan

Type:
revised_paper

Topic:
AS-03 Computer Science

Presenter:
Hartono Hartono

Thank you very much.

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[Kutipan teks disembunyikan]

Announcement of AASEC 2018 Proceedings Publication and AASEC 2019 Information

1 pesan

Annual Applied Science Engineering Conference <aasec@upi.edu>
Bcc: hartonoibbi@gmail.com

6 Desember 2018 pukul 10.11

Dear author(s),

We gladly inform you that proceedings of AASEC 2018 has been published in MATEC and IOP. For more detailed information, please see the links below:

MATEC: <https://www.matec-conferences.org/articles/mateconf/abs/2018/56/contents/contents.html>

IOP: <http://iopscience.iop.org/issue/1757-899X/434/1>

On behalf of AASEC 2018 committee, we would express our most sincere gratitude to all co-hosts and authors. We would also like to announce that next year's AASEC will be conducted in Bali on April 24, 2019. We do hope to see you there. Thank you.

Warmest regards,
AASEC 2018