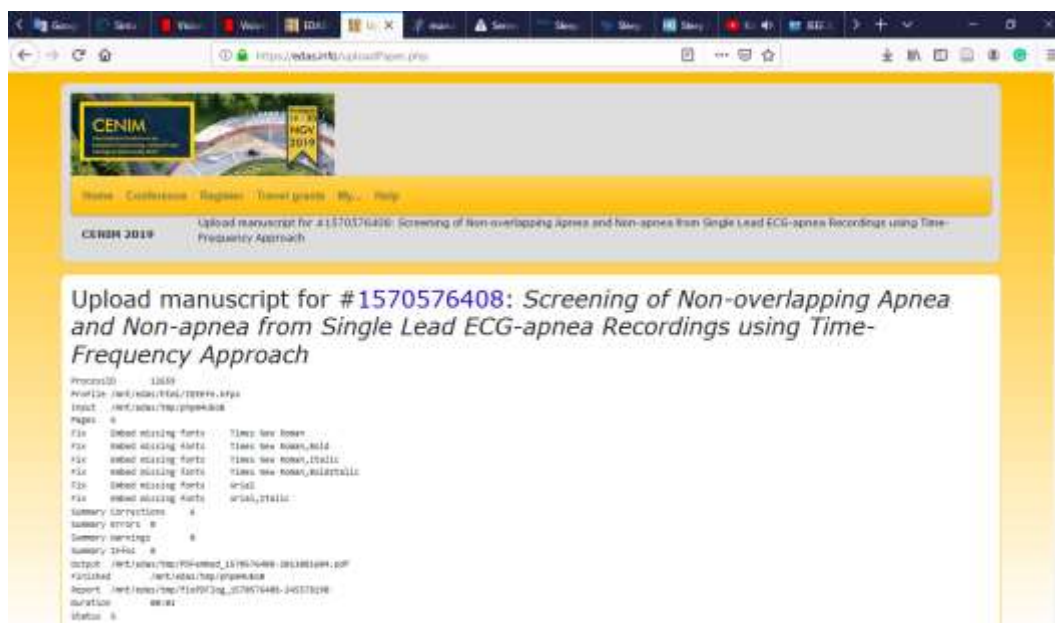


SEMINAR INTERNASIONAL 3

Status	Published
Nama Seminar	IEEE-International Conference on Computer, network and Intelligent Multimedia (CENIM-2019), Surabaya, 19-20 Nopember 2019
Judul Manuskrip	Classification of Sleep Disorder from Single Lead Non-overlapping of ECG-apnea based Non-Linear Analysis using Ensemble Approach

RIWAYAT KORESPONDENSI:

1. Pengiriman Makalah



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Conference and track		2019 International Conference on Computer Engineering, Network and Intelligent Multimedia (CENIM) - International Conference on Computer Engineering, Network and Intelligent Multimedia 2019																				
Authors	<table border="1"> <thead> <tr> <th>Drag to change order</th> <th>Name</th> <th>ID</th> <th>Edit</th> <th>Flag</th> <th>Affiliation (edit for paper)</th> <th>Email</th> <th>Country</th> <th>Email</th> <th>Delete</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Iman Fauzi</td> <td>1400733</td> <td></td> <td></td> <td>Poltekriegeri Batam, Indonesia</td> <td>iman@polibatam.ac.id</td> <td>Indonesia</td> <td></td> <td></td> </tr> </tbody> </table>	Drag to change order	Name	ID	Edit	Flag	Affiliation (edit for paper)	Email	Country	Email	Delete	1	Iman Fauzi	1400733			Poltekriegeri Batam, Indonesia	iman@polibatam.ac.id	Indonesia			
Drag to change order	Name	ID	Edit	Flag	Affiliation (edit for paper)	Email	Country	Email	Delete													
1	Iman Fauzi	1400733			Poltekriegeri Batam, Indonesia	iman@polibatam.ac.id	Indonesia															
Title		Screening of Non-overlapping Apnea and Non-apnea from Single Lead ECG-apnea Recordings using Time-Frequency Approach																				
Abstract		This study focused on extracting to finding differences between apnea events and non-apnea events using time-frequency approach. This approach is of particular relevance to obtain the efficiency and accuracy of the support system for the classification model. Heart rate variability (HRV) was calculated using the spectral and frequency approach based on the time-frequency domain. The analysis of HRV about the occurrence of the short recording, was performed selecting two segments: a class of apnea events and a class of non-apnea events. The experiment findings of the statistical analysis of our feature extraction showed time-domain feature extraction with heart rate means (HRM) slightly higher for non-apnea events about mean \pm standard deviation (SD) [41]. The frequency-domain features, as LF, LF and HF power of apnea events, are monitored over time with non-apnea events. The overall experiment indicates a significantly different feature value in the heart rate during screening apnea events and non-apnea events.																				
Keywords		ECG, apnea, an complex																				
Topics		Biomedical Signal and Image Processing & Analysis																				
Status		Active (has manuscript)																				
Revision manuscript		Can upload 8 pages (size) until Aug 18, 2019 22:59:59 WIB.																				

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2. Makalah Diterima

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#14 (1570576408): Screening of Non-overlapping Apnea and Non-apnea from Single Lead ECG-apnea Recordings using Time-Frequency Approach

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Topics: [Biomedical Signal and Image Processing & Analysis](#)

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Reviews

2 Reviews

Review 1 (Reviewer A)

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Comment to Author (e.g. Major reasons of your overall recommendation)

This paper describes a method of classifying EEG signals into epileptic and non-epileptic events. Although such an application should have a practical value, the proposed method still needs to be improved. Please clearly describe which feature is the most effective among the one you tested. It is also necessary to show how the proposed method is good in comparison with the previous work (I believe there are many methods which use IFR). Also, the presentation of the paper is not very good. Other comments are below.

Final manuscript: [Can upload 8 paper types until Oct 15, 2019 23:59:59 WIB.](#)

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Reviews

2 Reviews

Review 1 (Reviewer A)

None of the scores are visible for your roles.

Comment to Author (e.g. Major reasons of your overall recommendation)

This paper describes a method of classifying EEG signals into epileptic and non-epileptic events. Although such an application should have a practical value, the proposed method still needs to be improved. Please clearly describe which feature is the most effective among the one you tested. It is also necessary to show how the proposed method is good in comparison with the previous work (I believe there are many methods which use IFR). Also, the presentation of the paper is not very good. Other comments are below.

- What is QRS (are explicitly defined)?
- The quality of images in the figures are low (low resolution images, too small fonts, and so on)
- How to reduce the noise in Step 2?
- The reviewer cannot see the difference between two images in Fig. 3.
- In Fig. 5, please state on the same scale in Fig. 6 for a fair comparison. Also, what quantity is represented in the histogram?

Review 2 (Reviewer D)

None of the scores are visible for your roles.

Comment to Author (e.g. Major reasons of your overall recommendation)

This research presents a strategy of non-overlapping 4-area and non-area from Single Lead EEG signal Recording using Time Frequency Approach. The topic is interesting. However, the following issue should be considered to improve the quality of the manuscript.

- The experimental result did not yet compare with other previous researchers. So, the superiority of the proposed method has not been.
- The recent references (at least 2 years) should be added more.



Paper dan PPT CENIM 2019 a.n. Iman Fahrulzi

4 messages

IMAN FAHRUZI 07111768010013 <imanfahruzi.17071@its.ac.id>
To: ketul@ee.its.ac.id

1 November 2019 at 11:15

Selamat Pagi Pak Ketul,

Berikut ini saya lampirkan paper, PPT dan Jadwal untuk seminar CENIM 2019. Terima kasih

Salam Hormat,
Iman Fahrulzi

3 attachments



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3. Bukti Terbit

The screenshot shows a search results page on IEEE Xplore. The search query is "iman fahrulzi". The results list several papers:

- An Application Real-time Acquiring EEG Signal from Single Lead Electrode to Recognize Brain Activity using Neurosky Sensor**
Destyan Subotyo Nugroho, Iman Fahrulzi
2010 International Seminar on Application for Technology of Information and Communication (Semantic)
Year: 2010 | Conference Paper | Publisher: IEEE
Abstract | HTML | PDF (1412 Kb)
- An Investigation of Dynamic Features Influence in ECG-Apnea Using Detrended Fluctuation Analysis**
Iman Fahrulzi, I Ketut Eddy Putrarna, Maudy H Putrarna
2018 International Conference on Intelligent Autonomous Systems (ICIAS)
Year: 2018 | Conference Paper | Publisher: IEEE
Cited by: Papers (2)
Abstract | HTML | PDF (1014 Kb)
- Screening of Non-overlapping Apnea and Non-apnea from Single Lead ECG-apnea Recordings using Time-Frequency Approach**
Iman Fahrulzi, I Ketut Eddy Putrarna, Maudy H Putrarna
2019 International Conference on Computer Engineering, Network, and Intelligent Multimedia (CEINM)
Year: 2019 | Conference Paper | Publisher: IEEE
Abstract | HTML | PDF (1014 Kb)
- Classification of Sleep Disorder from Single Lead Non-overlapping of ECG-apnea based Non-Linear Analysis using Ensemble Approach**
Iman Fahrulzi, I Ketut Eddy Putrarna, H. Tabunasy, Maudy H Putrarna
2019 IEEE 10th International Conference on Awareness Science and Technology (ICAST)
Year: 2019 | Conference Paper | Publisher: IEEE

The third result, "Screening of Non-overlapping Apnea and Non-apnea from Single Lead ECG-apnea Recordings using Time-Frequency Approach", is highlighted with a red box. The left sidebar shows search filters for Year (2018-2019), Author, Affiliation, Publication Title, Publisher, Conference Location, and Publication Topics. The right sidebar contains advertisements for IEEE Full-Text and IEEE DataPort.

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ENGINEERING, NETWORK AND INTELLIGENT
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SURABAYA, INDONESIA
NOVEMBER 19-20, 2019

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Deploying Scalable Face Recognition Pipeline Using Distributed Microservices <i>Tahta D. Timur, I Ketut Eddy Purnama, and Supeno Mardi Susiki Nugroho</i>	40
Construction of Churn Prediction Model Using Human Voice Emotions Features Based on Bayesian Belief Network <i>Febri Dwi Cahaya Putra, Agustinus Bimo Gumelar, Immah Inayati, Lukman Junaedi, Ferial Hendrata, Rizky Davit Nugroho, Randy Anwar Romadhonny, Wahyu Putra Adi Setiawan, and Siska Susilowati</i>	45
DTE: Dynamic Traffic Engineering in Software Defined Data Center Networks <i>Farshad Tajedin, Mohammad Farhoudi, Aliehsan Samiei, and Behzad Akbari</i>	51
A Shared Secret Key Generation between Vehicle and Roadside Based Preprocessing Method <i>Amang Sudarsono, Mike Yuliana, and Prima Kristalina</i>	57
Volumetric Analysis of Brain Tumor Magnetic Resonance Image <i>Hapsari Peni Agustin Tjahyaningtjas, Hanik Badriyah Hidayati, Adri Gabriel Sooi, I Ketut Eddy Purnama, and Mauridhi Hery Purnomo</i>	65
Screening of Non-overlapping Apnea and Non-apnea from Single Lead ECG-apnea Recordings using Time-Frequency Approach <i>Iman Fahrudi, I Ketut Eddy Purnama, and Mauridhi Hery Purnomo</i>	71
Facial Model Deformation Based on Landmarks Using Laplacian <i>Ongki Permono Aji, I Ketut Eddy Purnama, and Mauridhi Hery Purnomo</i>	77
Development of Casual Game on Android Devices for Children with Diabetes Type 1 Treatment <i>Susi Junastuti, Husni Mubarak Al Ghifari, Supeno Mardi Susiki Nugroho, and I Ketut Eddy Purnama</i>	83

4. Makalah dibagian Lampiran