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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROCEEDING SEMINAR INTERNASIONAL

Judul Prosiding : **Development of Myoelectric Prosthetic Hand based on Arduino IDE and Visual C# for Trans-radial Amputee in Indonesia**

Jumlah Penulis : 5 orang (**Ismail, R.**, Wijaya, G.D., Ariyanto, M., Suriyanto, A., Caesarendra, W.)

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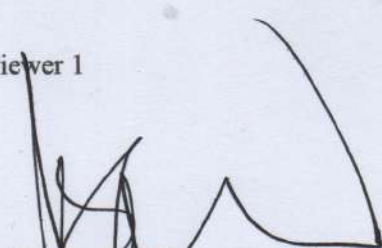
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 NIP. 196205201989021001
 Unit Kerja : Departemen Teknik Mesin FT UNDIP

Semarang, 10 Maret 2021
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 Prof. Dr. J. Jamari, ST., MT
 NIP. 197403042000121001
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2. Ruang lingkup dan kedalaman pembahasan:

Artikel prosiding membahas tentang pengembangan myoelectric prosthetic hand berbasis Arduino IDE and Visual C# *material*. Hasil penelitian disajikan dengan baik dan detil oleh penulis. Berbagai pola genggam dan mekanismenya telah dianalisis dengan menarik.

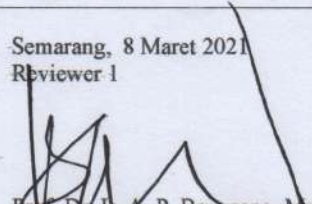
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Semarang, 8 Maret 2021
Reviewer 1



Prof. Dr. Ir. A. P. Bayuseno, Msc
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Nilai Pengusul = (60% x 24,00) = 14,40			

Catatan Penilaian Paper oleh Reviewer :

1. Kesesuaian dan kelengkapan unsur isi paper:

Artikel telah ditulis sesuai dengan panduan penulisan yang ditetapkan oleh IEEE. Judul, Abstrak, Pendahuluan, Metode, Hasil dan Pembahasan, Kesimpulan, dan Daftar Pustaka, kesemuanya ditulis runut dan padat. Topik yang diangkat sesuai dengan bidang pengusul yaitu Perancangan Teknik Mesin.

2. Ruang lingkup dan kedalaman pembahasan:

Fokus pembahasan artikel prosiding ini adalah pengembangan myoelectric prosthetic hand untuk pasien yang diamputasi tangannya. Ruang lingkup pembahasan cukup luas dan detil dengan adanya visualisasi gerakan-gerakan tangan.

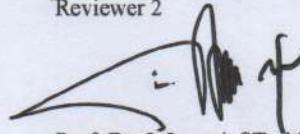
3. Kecukupan dan kemutakhiran data/informasi dan metodologi:

Topik dalam artikel ini cukup menarik karena mengangkat sesuatu yang mutakhir. Metodologi ditulis secara singkat tapi padat. Software dan hardware untuk pengembangan objek ini juga dibahas dengan lengkap. Turnitin similarity index sebesar 8%.

4. Kelengkapan unsur dan kualitas terbitan:

Penerbit IEEE yang menelurkan prosiding ini sudah baik karena memiliki reputasi internasional. Prosiding yang bernaung di IEEE juga terindeks Scopus.

Semarang, 11 Maret 2021
Reviewer 2



Prof. Dr. J. Jamari, ST., MT
NIP. 197403042000121001
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14 December 2018, Article number 8579393
2018 International Conference on Applied Engineering, ICAE 2018; Batam; Indonesia; 3 October
2018 through 4 October 2018; Category numberCFP18VAJ-ART; Code 143773

Development of Myoelectric Prosthetic Hand based on Arduino IDE and Visual C# for Trans-radial Amputee in Indonesia (Conference Paper)

Ismail, R.^a ✉, Wijaya, G.D.^a ✉, Ariyanto, M.^a ✉, Suriyanto, A.^b ✉, Caesarendra, W.^a ✉

^aDepartment of Mechanical Engineering, Diponegoro University, Semarang, Indonesia

^bOrthopaedic Department, RSAL dr. Ramelan, Surabaya, Indonesia

Abstract

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This paper presents a preliminary study on design and development of prosthetic hand controlled by electromyography (EMG) sensor for patients who suffered from trans-radial amputee. The system is made up of an embedded Arduino microcontroller equipped with Visual C# programming as graphical user interface (GUI). The prototype of the prosthetic hand has five grip modes i.e. hand open and close, hook finger movement, peace finger movement, pointing finger movement, and active thumb. The mechanism of prosthetic hand is designed with selected mode grip pattern, where each motion is triggered from muscle contraction that is acquired using EMG sensors. In addition, the input of EMG signal can be monitored from the graphs in GUI based on Visual C# programming. Each finger in the prosthetic hand prototype is driven by a linear actuator. The objective of this study is to design and develop a prototype of myoelectric hand based on EMG sensor and create a prosthetic hand grip pattern mode program. © 2018 IEEE.

SciVal Topic Prominence ⓘ

Topic: End Effectors | Grippers | Grasping

Prominence percentile: 96.467 ⓘ

Author keywords

Arduino electromyography graphical user interface prosthetic

Indexed keywords

Engineering controlled terms: Artificial limbs Electromyography Linear actuators Prosthetics

Engineering uncontrolled terms: Arduino Design and Development EMG sensors EMG signal Finger movements Graphical user interfaces (GUI) Muscle contractions Prosthetic hands

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- 1 Brorrson, B., Gunnarsson, T., Hakanson, I.
(2009) *Transcranial Magnetic Stimulation in Treating Depression*
SBU Report No. Stockholm, Sweden: Swedish Council on Technology Assessment in Health Care (SBU)
-
- 2 Weir, R.F.
Design of artificial arms and hands for prosthetic applications
(2004) *Standard Handbook of Biomedical Engineering and Design*, pp. 1-61. Cited 108 times.
-
- 3 Martel, Gini
Robotic hands: Design review and proposal of new design process
(2007) *International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering*, 1 (2). Cited 33 times.
-
- 4 Ariyanto, M., Ismail, R., Nurmiranto, A., Caesarendra, W., Paryanto, Franke, J.
Development of a low cost anthropomorphic robotic hand driven by modified glove sensor and integrated with 3D animation

(2016) *IECBES 2016 - IEEE-EMBS Conference on Biomedical Engineering and Sciences*, art. no. 7843470, pp. 341-346. Cited 9 times.
ISBN: 978-146737791-1
doi: 10.1109/IECBES.2016.7843470

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- 5 Ismail, R., Ariyanto, M., Caesarendra, W., Nurmiranto, A.
Development of robotic hand integrated with SimMechanics 3D animation

(2016) *Proceeding - 2016 International Seminar on Intelligent Technology and Its Application, ISITIA 2016: Recent Trends in Intelligent Computational Technologies for Sustainable Energy*, art. no. 7828733, pp. 629-634. Cited 7 times.
ISBN: 978-150901709-6
doi: 10.1109/ISITIA.2016.7828733

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-
- 6 Ariyanto, M., Munadi, Haryadi, G.D., Ismail, R., Pakpahan, J.A., Mustaqim, K.A.
A low cost anthropomorphic prosthetic hand using DC micro metal gear motor
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(2016) *Proceedings - 2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering, ICITACEE 2016*, art. no. 7892407, pp. 42-46. Cited 19 times.
ISBN: 978-150901434-7
doi: 10.1109/ICITACEE.2016.7892407

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-
- 7 Raines, J.
(2016) *Robotics Hand Development Kit-Ada V1.1 -Datasheet*. Cited 4 times.
United Kingdom, Open Bionics, May
-
- 8 (2014) *Open Hand Project*. Cited 5 times.
Bristol (United Kingdom), Dextrus Hand
-

9 Koprnický, J., Najman, P., Safka, J.
3D printed bionic prosthetic hands
(2017) *Proceedings of the 2017 IEEE International Workshop of Electronics, Control, Measurement, Signals and their Application to Mechatronics, ECMSM 2017*, art. no. 7945898. Cited 17 times.
ISBN: 978-150905582-1
doi: 10.1109/ECMSM.2017.7945898
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10 Slade, P., Akhtar, A., Nguyen, M., Bretl, T.
Tact: Design and performance of an open-source, affordable, myoelectric prosthetic hand
(2015) *Proceedings - IEEE International Conference on Robotics and Automation, 2015-June (June)*, art. no. 7140105, pp. 6451-6456. Cited 44 times.
doi: 10.1109/ICRA.2015.7140105
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11 Yoshikawa, M., Sato, R., Higashihara, T., Ogasawara, T., Kawashima, N.
Rehand: Realistic electric prosthetic hand created with a 3D printer
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12 Jeethesh Pai, U., Sarath, N.P., Sidharth, R., Kumar, A.P., Pramod, S., Udupa, G.
Design and manufacture of 3D printed myoelectric multi-fingered hand for prosthetic application
(2016) *International Conference on Robotics and Automation for Humanitarian Applications, RAHA 2016 - Conference Proceedings*, art. no. 7931904. Cited 5 times.
ISBN: 978-150905203-5
doi: 10.1109/RAHA.2016.7931904
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3D printed prosthetic hands
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 Year: 2018

Design of Object-tracking Algorithm Based on Mean-Shift with Artificial Neural Network

Aris Ardiansyah; Yoanes Bandung
 Publication Year: 2018 , Page(s): 1 - 6

Abstract (349 Kb)

Design of Object-tracking Algorithm Based on Mean-Shift with Artificial Neural Network

Aris Ardiansyah; Yoanes Bandung
 2018 International Conference on Applied Engineering (ICAE)
 Year: 2018

Beach Profile (Oceanography Factors) of Labuhan Bilik Island, Aruah Island, Rokan Hilir District, Indonesia

Muhammad Zainuddin Lubis; Ulil Amri
 Publication Year: 2018 , Page(s): 1 - 6
 Cited by: Papers (1)

Abstract (442 Kb)

Beach Profile (Oceanography Factors) of Labuhan Bilik Island, Aruah Island, Rokan Hilir District, Indonesia

Muhammad Zainuddin Lubis; Ulil Amri
 2018 International Conference on Applied Engineering (ICAE)
 Year: 2018

Object Visualization Using Maps Marker Based On Augmented Reality

Dwi Ely Kurniawan; Afdhol Dzikri; Muhammad Suriya; Yeny Rokhayati; Asep Najmurokhman
 Publication Year: 2018 , Page(s): 1 - 5
 Cited by: Papers (1)

Abstract (431 Kb)

Object Visualization Using Maps Marker Based On Augmented Reality

Dwi Ely Kurniawan; Afdhol Dzikri; Muhammad Suriya; Yeny Rokhayati; Asep Najmurokhman
 2018 International Conference on Applied Engineering (ICAE)
 Year: 2018

Development and UI/UX Usability Analysis of Pinjemobil Web-Based Application Using User Satisfaction Model

Kezia Ayuningtyas; Nur Zahrati Janah
 Publication Year: 2018 , Page(s): 1 - 6
 Cited by: Papers (2)

Abstract (340 Kb)

Development and UI/UX Usability Analysis of Pinjemobil Web-Based Application Using User Satisfaction Model

Kezia Ayuningtyas; Nur Zahrati Janah
 2018 International Conference on Applied Engineering (ICAE)
 Year: 2018

Plasmodium Parasite Detection on Thin Blood Smear Image using Double Thresholding and BLOB Analysis

Jullend Gatc; Febri Maspiyanti
 Publication Year: 2018 , Page(s): 1 - 6

Abstract (583 Kb)

Plasmodium Parasite Detection on Thin Blood Smear

Image using Double Thresholding and BLOB Analysis

Jullend Gatc; Febri Maspiyanti

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

 Designing an Android-based Space Travel Application Trough Virtual Reality for Teaching Media

Rohmat Indra Borman; Yogi Purnomo Putra; Yusra Fernando; Dwi Ely Kurniawan; Purwono Prasetyawan; Imam Ahmad

Publication Year: 2018 , Page(s): 1 - 5

Cited by: Papers (1)

Abstract (682 Kb)

 Designing an Android-based Space Travel Application Trough Virtual Reality for Teaching Media

Rohmat Indra Borman; Yogi Purnomo Putra; Yusra Fernando; Dwi Ely Kurniawan; Purwono Prasetyawan; Imam Ahmad

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

 Easy Secure Login Implementation Using Pattern Locking and Environmental Context Recognition

Farid Fajriana Pulungan; Dodi Wisaksono Sudiharto; Tri Brotoharsono

Publication Year: 2018 , Page(s): 1 - 6

Abstract (365 Kb)

 Easy Secure Login Implementation Using Pattern Locking and Environmental Context Recognition

Farid Fajriana Pulungan; Dodi Wisaksono Sudiharto; Tri Brotoharsono

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

 A Comparison of Hybrid Methods of the Krill Herd Algorithm

Ai Nurhayati; Aditya Gautama Darmoyono

Publication Year: 2018 , Page(s): 1 - 6

Abstract (2902 Kb)

 A Comparison of Hybrid Methods of the Krill Herd Algorithm

Ai Nurhayati; Aditya Gautama Darmoyono

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

 Hand Gesture Recognition for Game 3D Object Using The Leap Motion Controller with Backpropagation Method

Afdhol Dzikri; Dwi Ely Kurniawan

Publication Year: 2018 , Page(s): 1 - 5

Abstract (798 Kb)

 Hand Gesture Recognition for Game 3D Object Using The Leap Motion Controller with Backpropagation Method

Afdhol Dzikri; Dwi Ely Kurniawan

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

 Nearest Neighbour and Statistics Method based for Detecting Fraud in Auto Insurance

Tessy Badriyah; Lailul Rahmaniah; Iwan Syarif

Publication Year: 2018 , Page(s): 1 - 5

Cited by: Papers (2)

Abstract (298 Kb)

 Nearest Neighbour and Statistics Method based for Detecting Fraud in Auto Insurance

Tessy Badriyah; Lailul Rahmaniah; Iwan Syarif
 2018 International Conference on Applied Engineering (ICAE)
 Year: 2018

Determination and Measurement of Horizontal Control Points 2nd Order

Oktavianto Gustin; Arif Roziqin; Agus Fatulloh
 Publication Year: 2018 , Page(s): 1 - 5
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Abstract (610 Kb)

Determination and Measurement of Horizontal Control Points 2nd Order

Oktavianto Gustin; Arif Roziqin; Agus Fatulloh
 2018 International Conference on Applied Engineering (ICAE)
 Year: 2018

Classification of the Period Undergraduate Study Using Back-propagation Neural Network

Purwono Prasetyawan; Imam Ahmad; Rohmat Indra
 Borman; Ardiansyah; Yogi Aziz Pahlevi; Dwi Ely Kurniawan
 Publication Year: 2018 , Page(s): 1 - 5

Abstract (269 Kb)

Classification of the Period Undergraduate Study Using Back-propagation Neural Network

Purwono Prasetyawan; Imam Ahmad; Rohmat Indra
 Borman; Ardiansyah; Yogi Aziz Pahlevi; Dwi Ely Kurniawan
 2018 International Conference on Applied Engineering (ICAE)
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IoT-based Gas Leak Detection Device

Metta Santiputri; Muhammad Tio
 Publication Year: 2018 , Page(s): 1 - 4
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Abstract (359 Kb)

IoT-based Gas Leak Detection Device

Metta Santiputri; Muhammad Tio
 2018 International Conference on Applied Engineering (ICAE)
 Year: 2018

An Analysis of Customer Agrotourism Resort Behaviour based on RFM and Mean Shift Clustering

Muhammad Ruslan Maulani; Syafrial Fachri Pane; Rolly Maulana Awangga; Diana Asri Wijayanti; Wahyu Caesarendra
 Publication Year: 2018 , Page(s): 1 - 5

Abstract (181 Kb)

An Analysis of Customer Agrotourism Resort Behaviour based on RFM and Mean Shift Clustering

Muhammad Ruslan Maulani; Syafrial Fachri Pane; Rolly Maulana Awangga; Diana Asri Wijayanti; Wahyu Caesarendra
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 Year: 2018

MyConfree: a web-based conference management system

Metta Santiputri; Nindy Surya Agustin; Mera Kartika Delimayanti
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Abstract (314 Kb)

MyConfree: a web-based conference management system

Metta Santiputri; Nindy Surya Agustin; Mera Kartika Delimayanti
 2018 International Conference on Applied Engineering (ICAE)
 Year: 2018

Landslide Distribution Using Geographic Information System in Batam Island

Arif Roziqin; Oktavianto Gustin; Intan Purnama Syari

Publication Year: 2018 , Page(s): 1 - 4

Cited by: Papers (2)

Abstract (259 Kb)

Landslide Distribution Using Geographic Information System in Batam Island

Arif Roziqin; Oktavianto Gustin; Intan Purnama Syari

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

Threshold Scheme Approach to Balance Virtual Machines Load in Private Cloud

Hamdani Arif; Prasan Kumar Sahoo

Publication Year: 2018 , Page(s): 1 - 6

Abstract (384 Kb)

Threshold Scheme Approach to Balance Virtual Machines Load in Private Cloud

Hamdani Arif; Prasan Kumar Sahoo

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

Featured Product Mapping in Hinterland Karimun Area Using Interactive Visualization*

Miratul Khusna Mufida; Dwi Kartikasari

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Abstract (232 Kb)

Featured Product Mapping in Hinterland Karimun Area Using Interactive Visualization*

Miratul Khusna Mufida; Dwi Kartikasari

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

Distance Accuracy Improvement for Smartphone Anti-Theft Application

Muchammad Fajri Amirul Nasrullah; Rina Yulius; Erwin

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Abstract (203 Kb)

Distance Accuracy Improvement for Smartphone Anti-Theft Application

Muchammad Fajri Amirul Nasrullah; Rina Yulius; Erwin

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

A Seamless Secret Sharing Scheme Implementation for Securing Data in Public Cloud Storage Service

Nelmiawati; Wahyudi Arifandi

Publication Year: 2018 , Page(s): 1 - 5

Abstract (427 Kb)

A Seamless Secret Sharing Scheme Implementation for Securing Data in Public Cloud Storage Service

Nelmiawati; Wahyudi Arifandi

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

SoCa: Software Catalog

Miratul Khusna Mufida; Wenang Anurogo; Metta Santiputri; Muslim

Ansori; Muhammad Zainuddin Lubis

Publication Year: 2018 , Page(s): 1 - 6

- Abstract (375 Kb)
- SoCa: Software Catalog**
Miratul Khusna Mufida; Wenang Anurogo; Metta Santiputri; Muslim Ansori; Muhammad Zainuddin Lubis
2018 International Conference on Applied Engineering (ICAE)
Year: 2018
-
- Real-Time Monitoring for Environmental Through Wireless Sensor Network Technology**
Rizky Pratama Hudhajanto; Nurul Fahmi; Eko Prayitno; Rosmida
Publication Year: 2018 , Page(s): 1 - 5
Cited by: Papers (3)
- Abstract (522 Kb)
- Real-Time Monitoring for Environmental Through Wireless Sensor Network Technology**
Rizky Pratama Hudhajanto; Nurul Fahmi; Eko Prayitno; Rosmida
2018 International Conference on Applied Engineering (ICAE)
Year: 2018
-
- Vege Application! Using Mobile Application to Promote Vegetarian Food**
Andhika; Oey Anton
Publication Year: 2018 , Page(s): 1 - 6
Cited by: Papers (2)
- Abstract (1079 Kb)
- Vege Application! Using Mobile Application to Promote Vegetarian Food**
Andhika; Oey Anton
2018 International Conference on Applied Engineering (ICAE)
Year: 2018
-
- An Integrated Comparative Approach to Estimating Forest Aboveground Carbon Stock Using Advanced Remote Sensing Technologies**
Wenang Anurogo; Luthfiya Ratna Sari; Muhammad Zainuddin Lubis; Daniel Sutopo Pamungkas; Mir'atul Khusna Mufida; Arini Dewi Lestari Situmorang
Publication Year: 2018 , Page(s): 1 - 6
Cited by: Papers (3)
- Abstract (466 Kb)
- An Integrated Comparative Approach to Estimating Forest Aboveground Carbon Stock Using Advanced Remote Sensing Technologies**
Wenang Anurogo; Luthfiya Ratna Sari; Muhammad Zainuddin Lubis; Daniel Sutopo Pamungkas; Mir'atul Khusna Mufida; Arini Dewi Lestari Situmorang
2018 International Conference on Applied Engineering (ICAE)
Year: 2018
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- Security Enhancement of AES Based Encryption Using Dynamic Salt Algorithm**
Mochamad Mobed Bachtiar; Thiar Hasbiya Ditanaya; Sigit Wasista; Reinaldo Riant Kurnia Perdana
Publication Year: 2018 , Page(s): 1 - 6
Cited by: Papers (1)
- Abstract (505 Kb)
- Security Enhancement of AES Based Encryption Using Dynamic Salt Algorithm**
Mochamad Mobed Bachtiar; Thiar Hasbiya Ditanaya; Sigit Wasista; Reinaldo Riant Kurnia Perdana
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

- Computer Guided Hospital Accreditation Management System**
Nazathul Hashima Hashim; Eko Supriyanto; Muhammad Nabil Mohd Warid; Ahmad Zahran Md Khudzari
Publication Year: 2018 , Page(s): 1 - 5

Abstract (301 Kb)

- Computer Guided Hospital Accreditation Management System**
Nazathul Hashima Hashim; Eko Supriyanto; Muhammad Nabil Mohd Warid; Ahmad Zahran Md Khudzari
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

- National Border Agency Communication Behaviour Clustering Using Centrality and Meanshift**
Sari Armianti; Rolly Maulana Awangga; Adji Suradji Muhammad
Publication Year: 2018 , Page(s): 1 - 4

Abstract (196 Kb)

- National Border Agency Communication Behaviour Clustering Using Centrality and Meanshift**
Sari Armianti; Rolly Maulana Awangga; Adji Suradji Muhammad
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

- An Assessment of QoS Comparison for 802.11 b/g/n Voice Over WLAN in Indoor Environment**
Nur Cahyono Kushardianto; Muhammad Fattahilah Rangkyu; Mira Chandra Kirana
Publication Year: 2018 , Page(s): 1 - 6

Abstract (409 Kb)

- An Assessment of QoS Comparison for 802.11 b/g/n Voice Over WLAN in Indoor Environment**
Nur Cahyono Kushardianto; Muhammad Fattahilah Rangkyu; Mira Chandra Kirana
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

- Comparison Of Multinomial Naive Bayes Algorithm And Logistic Regression For Intent Classification In Chatbot**
Muhammad Yusril Helmi Setyawan; Rolly Maulana Awangga; Safif Rafi Efendi
Publication Year: 2018 , Page(s): 1 - 5
Cited by: Papers (4)

Abstract (303 Kb)

- Comparison Of Multinomial Naive Bayes Algorithm And Logistic Regression For Intent Classification In Chatbot**
Muhammad Yusril Helmi Setyawan; Rolly Maulana Awangga; Safif Rafi Efendi
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

- Inverse Kinematics Analysis for Motion Prediction of a Hexapod Robot**
Selamat Muslimin; Didi Istardi
Publication Year: 2018 , Page(s): 1 - 5

Abstract (269 Kb)

- Inverse Kinematics Analysis for Motion Prediction of a Hexapod Robot**
Selamat Muslimin; Didi Istardi
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

Goal Detection and Opponent Avoidance Algorithm for Wheeled Robot Soccer using Color Filtering and Contour Extraction

Budi Sugandi; Senanjung Prayoga; Imam Agus Riandi; Devi Gusnaensi Tinambunan

Publication Year: 2018 , Page(s): 1 - 5

Cited by: Papers (1)

Abstract (354 Kb)

Goal Detection and Opponent Avoidance Algorithm for Wheeled Robot Soccer using Color Filtering and Contour Extraction

Budi Sugandi; Senanjung Prayoga; Imam Agus Riandi; Devi Gusnaensi Tinambunan

2018 International Conference on Applied Engineering (ICAE)

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Detection, Recognition, and Tracking Face Using 2 DoF Robot with Haar LBP Histogram

Daniel Sutopo Pamungkas; Sayeed Al-Aidid

Publication Year: 2018 , Page(s): 1 - 5

Cited by: Papers (1)

Abstract (835 Kb)

Detection, Recognition, and Tracking Face Using 2 DoF Robot with Haar LBP Histogram

Daniel Sutopo Pamungkas; Sayeed Al-Aidid

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Year: 2018

Capturing Physiological Signal by Using Micro Biomedical Device

Zhi-Hao Wang; Wei-Ching Hsieh; Hendrick Hendrick; Yu-Fan Kung; Chih-Min Wang; Gwo-Jia Jong

Publication Year: 2018 , Page(s): 1 - 5

Abstract (684 Kb)

Capturing Physiological Signal by Using Micro Biomedical Device

Zhi-Hao Wang; Wei-Ching Hsieh; Hendrick Hendrick; Yu-Fan Kung; Chih-Min Wang; Gwo-Jia Jong

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

Introduction to Modest Object Detection Method of Bareleng-FC Soccer Robot

Susanto; Gobar Bethara Agung Dewasakti; Riska Analia

Publication Year: 2018 , Page(s): 1 - 6

Cited by: Papers (2)

Abstract (1007 Kb)

Introduction to Modest Object Detection Method of Bareleng-FC Soccer Robot

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Trigonometry Algorithm for Ball Heading Prediction of Bareleng-FC Goal Keeper

Susanto; Fadhlul Azmi; Riska Analia

Publication Year: 2018 , Page(s): 1 - 6

Cited by: Papers (1)

Abstract (784 Kb)

Trigonometry Algorithm for Ball Heading Prediction of Bareleng-FC Goal Keeper

Susanto; Fadhlul Azmi; Riska Analia

Positioning and Maneuver of an Omnidirectional Robot Soccer

Khasia Vidra Utama; Rifqi Amalya Fatekha; Senanjung Prayoga; Daniel S Pamungkas; Rizky Pratama Hudhajanto
 Publication Year: 2018 , Page(s): 1 - 5

Abstract (1156 Kb)

 Positioning and Maneuver of an Omnidirectional Robot Soccer

Khasia Vidra Utama; Rifqi Amalya Fatekha; Senanjung Prayoga; Daniel S Pamungkas; Rizky Pratama Hudhajanto
 2018 International Conference on Applied Engineering (ICAE)
 Year: 2018

 MYO Armband sensors and Neural Network Algorithm for Controlling Hand Robot

Sumantri R Kurniawan; Daniel Pamungkas
 Publication Year: 2018 , Page(s): 1 - 6
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Abstract (1072 Kb)

 MYO Armband sensors and Neural Network Algorithm for Controlling Hand Robot

Sumantri R Kurniawan; Daniel Pamungkas
 2018 International Conference on Applied Engineering (ICAE)
 Year: 2018

 A Study of Image Processing for Automatic Counting Gas Cylinder Seal

Rian Melani; Abdullah Sani; Budi Sugandi; Riska Analia
 Publication Year: 2018 , Page(s): 1 - 4
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Abstract (532 Kb)

 A Study of Image Processing for Automatic Counting Gas Cylinder Seal

Rian Melani; Abdullah Sani; Budi Sugandi; Riska Analia
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 Design and Implementation of 6 kW Three-Phase T-Type Inverter for Microgrid Application

An-Li Yang; Laskar Pamungkas; Yu-Chen Chang; Jing-Yuan Lin; Huang-Jen Chiu
 Publication Year: 2018 , Page(s): 1 - 5

Abstract (567 Kb)

 Design and Implementation of 6 kW Three-Phase T-Type Inverter for Microgrid Application

An-Li Yang; Laskar Pamungkas; Yu-Chen Chang; Jing-Yuan Lin; Huang-Jen Chiu
 2018 International Conference on Applied Engineering (ICAE)
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 The Weakest Cell Identification in Li-Ion battery packs using Discharging Technique Performance

Didi Istardi; Irwanto Zarma Putra
 Publication Year: 2018 , Page(s): 1 - 4
 Cited by: Papers (1)

Abstract (196 Kb)

 The Weakest Cell Identification in Li-Ion battery packs using Discharging Technique Performance

Didi Istardi; Irwanto Zarma Putra

-
- Design and Implementation of A Low Cost Heartbeat Meter using Vibration Sensor, ATmega 16 Microcontroller, and Android Based Smartphone**

Asep Najmurokhman; Robbi Rahim; Kusnandar
Kusnandar; Bambang Wibowo; Dwi Ely Kurniawan; Yusupandi
Sumaryat

Publication Year: 2018 , Page(s): 1 - 5

Abstract (324 Kb)

- Design and Implementation of A Low Cost Heartbeat Meter using Vibration Sensor, ATmega 16 Microcontroller, and Android Based Smartphone**

Asep Najmurokhman; Robbi Rahim; Kusnandar
Kusnandar; Bambang Wibowo; Dwi Ely Kurniawan; Yusupandi
Sumaryat

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

- Face Recognition and Smile Detection as an Appraisal of Customer Satisfaction Instrument**

Sri Diah Hardianti; Budi Sugandi; Asrizal Deri Futra

Publication Year: 2018 , Page(s): 1 - 6

Abstract (587 Kb)

- Face Recognition and Smile Detection as an Appraisal of Customer Satisfaction Instrument**

Sri Diah Hardianti; Budi Sugandi; Asrizal Deri Futra

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

- Segment-Specific EASI Coefficients for Improving Accuracy of Derived 12-Lead Electrocardiography**

Indra Hardian Mulyadi; Nelmiawati; Eko Supriyanto

Publication Year: 2018 , Page(s): 1 - 4

Abstract (265 Kb)

- Segment-Specific EASI Coefficients for Improving Accuracy of Derived 12-Lead Electrocardiography**

Indra Hardian Mulyadi; Nelmiawati; Eko Supriyanto

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

- Epoxy Adhesive as Die Attach Material in Semiconductor Packaging: A Review**

Muhammad Arifin; Nadhrah Wivanius; Nanta Fakhri Prebianto

Publication Year: 2018 , Page(s): 1 - 5

Cited by: Papers (2)

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Year: 2018

- LabVIEW Based Radiosonde Telemetry System in RF Communication**

Ferdiansyah Marja; Siti Aisyah

Publication Year: 2018 , Page(s): 1 - 5

Cited by: Papers (3)

Abstract (467 Kb)

- LabVIEW Based Radiosonde Telemetry System in RF Communication**

Ferdiansyah Marja; Siti Aisyah
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

Vision Based Flame Detection System For Surveillance Camera

Dedy Slamet Riyadi; Siti Aisyah
Publication Year: 2018 , Page(s): 1 - 6
Cited by: Papers (1)

Abstract (518 Kb)

Vision Based Flame Detection System For Surveillance Camera

Dedy Slamet Riyadi; Siti Aisyah
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

Low Cost Nano Satellite Communication System Using GNURadio, HackRF, and Raspberry Pi

Rizky Pratama Hudhajanto; Heru Wijanarko; Muhammad Arifin; Budi Sugandi; Siti Aisyah; Nur Sakinah Asaad; Abang Ahmad Syardiansyah
Publication Year: 2018 , Page(s): 1 - 4
Cited by: Papers (2)

Abstract (355 Kb)

Low Cost Nano Satellite Communication System Using GNURadio, HackRF, and Raspberry Pi

Rizky Pratama Hudhajanto; Heru Wijanarko; Muhammad Arifin; Budi Sugandi; Siti Aisyah; Nur Sakinah Asaad; Abang Ahmad Syardiansyah
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

Low Voltage Series Arc Fault Detecting With Discrete Wavelet Transform

Abdillah Fashiha Ilman; Dzulkiflih
Publication Year: 2018 , Page(s): 1 - 5
Cited by: Papers (1)

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Low Voltage Series Arc Fault Detecting With Discrete Wavelet Transform

Abdillah Fashiha Ilman; Dzulkiflih
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Hand Tracking-based Motion Control for Robot Arm Using Stereo Camera

Budi Sugandi; Handri Toar; Ary Alfianto
Publication Year: 2018 , Page(s): 1 - 5
Cited by: Papers (1)

Abstract (586 Kb)

Hand Tracking-based Motion Control for Robot Arm Using Stereo Camera

Budi Sugandi; Handri Toar; Ary Alfianto
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Year: 2018

Personalized Clinical Pathway for Heart Failure Management

Nashuha binti Omar; Eko Supriyanto; Rania Hussein Al-Ashwal; Asnida binti Abdul Wahab
Publication Year: 2018 , Page(s): 1 - 5
Cited by: Papers (2)

Abstract (317 Kb)

Personalized Clinical Pathway for Heart Failure Management

Nashuha binti Omar; Eko Supriyanto; Rania Hussein Al-Ashwal; Asnida binti Abdul Wahab
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

- Supply Delivery Monitoring System Using Mobile Device Based on Internet of Things Case Study (Pt. Semen Gresik Persero Tbk.)**

Lutfi Sani; Dwi Kurnia Basuki; Mochamad Mobed Bahctiar
Publication Year: 2018 , Page(s): 1 - 5

Abstract (377 Kb)

- Supply Delivery Monitoring System Using Mobile Device Based on Internet of Things Case Study (Pt. Semen Gresik Persero Tbk.)**

Lutfi Sani; Dwi Kurnia Basuki; Mochamad Mobed Bahctiar
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

- Drug Abuse Identification based EEG-P300 Amplitude and Latency with Fuzzy Logic Classifier**

Arjon Turnip; Dwi Esti Kusumandari; Daniel Sutopo Pamungkas
Publication Year: 2018 , Page(s): 1 - 6

Cited by: Papers (2)

Abstract (1366 Kb)

- Drug Abuse Identification based EEG-P300 Amplitude and Latency with Fuzzy Logic Classifier**

Arjon Turnip; Dwi Esti Kusumandari; Daniel Sutopo Pamungkas
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

- Identification Of Leukemia Diseases Based On Microscopic Human Blood Cells Using Image Processing**

Riyanto Sigit; Mochamad Mobed Bachtiar; Moh. Irsyadul Fikri
Publication Year: 2018 , Page(s): 1 - 5

Cited by: Papers (3)

Abstract (590 Kb)

- Identification Of Leukemia Diseases Based On Microscopic Human Blood Cells Using Image Processing**

Riyanto Sigit; Mochamad Mobed Bachtiar; Moh. Irsyadul Fikri
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

- An Application of Zero Cross QRS Detection Algorithm of ECG Signals with Various Subject Conditions**

Mardi Turnip; Abdi Dharma; Daniel Sutopo Pamungkas; Dwi Esti K.; Arjon Turnip
Publication Year: 2018 , Page(s): 1 - 5

Abstract (381 Kb)

- An Application of Zero Cross QRS Detection Algorithm of ECG Signals with Various Subject Conditions**

Mardi Turnip; Abdi Dharma; Daniel Sutopo Pamungkas; Dwi Esti K.; Arjon Turnip
2018 International Conference on Applied Engineering (ICAE)
Year: 2018

- Optimization of Power Plant Operation Parameters for Efficiency Improvement through Data-Driven Relevance Vector Machine Regression Algorithm**

Tarwaji Warsokusumo; Toni Prahasto; Wahyu Caesarendra; Achmad Widodo

Publication Year: 2018 , Page(s): 1 - 5

Abstract (552 Kb)

- Optimization of Power Plant Operation Parameters for Efficiency Improvement through Data-Driven Relevance Vector Machine Regression Algorithm**

Tarwaji Warsokusumo; Toni Prahasto; Wahyu

Caesarendra; Achmad Widodo

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

- The Effect of Object Position on Reading Error on Weighing Scale**

Ery Muthoriq; Arief Hariyanto; Zainal Abidin; Mulyadi Bur

Publication Year: 2018 , Page(s): 1 - 5

Abstract (421 Kb)

- The Effect of Object Position on Reading Error on Weighing Scale**

Ery Muthoriq; Arief Hariyanto; Zainal Abidin; Mulyadi Bur

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

- Utilizing Thermoelectric Generator Peltier in Using Solar Thermal Energy as Renewable Energy Source**

Aditya Gautama Darmoyono; Herman R. Suwarman; Ai Nurhayati

Publication Year: 2018 , Page(s): 1 - 4

Abstract (320 Kb)

- Utilizing Thermoelectric Generator Peltier in Using Solar Thermal Energy as Renewable Energy Source**

Aditya Gautama Darmoyono; Herman R. Suwarman; Ai Nurhayati

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

- Thermoelectric generator for electricity from the exhaust manifold of the diesel engine**

Muhammad Hasan Albana; Budi Baharudin; Ibrahim; Cahyo Budi

Nugroho; Ihsan Saputra

Publication Year: 2018 , Page(s): 1 - 4

Abstract (502 Kb)

- Thermoelectric generator for electricity from the exhaust manifold of the diesel engine**

Muhammad Hasan Albana; Budi Baharudin; Ibrahim; Cahyo Budi

Nugroho; Ihsan Saputra

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

- Control Design of a De-Weighting Upper Limb Exoskeleton**

Siti Khadijah Ali; M. Osman Tokhi

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Abstract (371 Kb)

- Control Design of a De-Weighting Upper Limb Exoskeleton**

Siti Khadijah Ali; M. Osman Tokhi

2018 International Conference on Applied Engineering (ICAE)

Year: 2018

- Experimental Study: Design of Thermoelectric Generator (TEG) Fixture for Harvesting an Automobile Electricity**

Awria Awria; Muhammad Hasan Albana; Rahman Hakim

Publication Year: 2018 , Page(s): 1 - 5

- Abstract (548 Kb)
- Experimental Study: Design of Thermoelectric Generator (TEG) Fixture for Harvesting an Automobile Electricity**
- Awria Awria; Muhammad Hasan Albana; Rahman Hakim
2018 International Conference on Applied Engineering (ICAE)
Year: 2018
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Spatial Model of TOD in JMR's Master Plan

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Herika Muhamad Taki; Mohamed Mahmoud Hassan Maatouk; Muhammad Zainuddin Lubis All Authors

Department of Urban and Regional Planning, King Abdulaziz University, Jeddah, Saudi Arabia



Abstract

Abstract:

Jakarta Metropolitan Region (JMR) is the busiest region as the economic and government center of Indonesian country. Various problems of urban transportation and sustainable development occurred in this region, especially congestion and urban sprawl. To overcome those problems, this study carried out the development of TOD based on typology applied to the railway network. The method used is actual and potential TOD based spatial analysis to produce an integrated TOD system. The results showed that there were differences in typology from each station in urban, suburban and regional TOD. Therefore, it needed the policy from stakeholders to encourage improving the master plan in a more sustainable pattern.

Document Sections

- I. Introduction
- II. Method
- III. Finding
- IV. Discussion
- V. Conclusion

Published in: 2018 International Conference on Applied Engineering (ICAE)

Date of Conference: 3-4 Oct. 2018

INSPEC Accession Number: 18326485

Date Added to IEEE Xplore: 20 December 2018

DOI: 10.1109/INCAE.2018.8579408

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School of Biomedical Engineering and Health Sciences, Universiti Teknologi Malaysia (UTM), Johor, Malaysia



Abstract

Document Sections

- I. Introduction
- II. Methods
- III. Results
- IV. Discussions
- V. Conclusion

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Abstract:

Hospital International Accreditation is a lengthy process, in which total integration of the hospital's management system is required in order to complete the process. Difficulties in obtaining data from all units and departments, matching between existing documents with the accreditation elements, and comparing the visual aspect of the hospital real condition with the requirement of the accreditation are factors that cause delay for the hospital getting international accreditation. In order to overcome this issue, a computer guided hospital accreditation management system is developed. The system has been developed based on the guideline of Joint Commission International Accreditation Standards for Hospitals 6th Edition 2017. There are four sections included in this system. The elements are classified according to conventional hospital management system including finance, human capital, business process, facility, clinical process, and information system. We classified the elements in the JCI Accreditation Standards according to the conventional hospital management system elements. In order to obtain the JCI by section, input from document review, field survey, system study, and automatic electronic measurement are applied. The user interface is implemented in the mobile apps. MIT App Inventor 2 software is used to implement this system. GUI for data input and result visualization has been also implemented in the mobile apps. The functionality test of the system is conducted. This includes the output-input relation and JCI score accuracy. We have also compared duration for data input and processing to produce output between the conventional method and the new computer guided method. Test results showed that the system is able to produce JCI score according to manual input with shorter input and processing time. This shows that the system is applicable for hospital management to accelerate the process of getting JCI accreditation.

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Institute of Electronic Engineering National Kaohsiung University of Science and Technology, Kaohsiung, Taiwan



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Abstract

Abstract:

The Photoplethysmographic (PPG) sensing module uses optical signals to measure pulse rate (PR) and blood oxygen concentration (SPO2). This paper designs a system that can measure human physiological signals, analyze in real time, and display the graph and store the data. Since the use of PPG is very convenient, it is not easy to make mistakes in use. Moreover, the PPG signal is related to the ECG signal, so the use of PPG to replace the traditional ECG device greatly improves convenience and can reduce costs. The signal measured by the PPG module is a time domain signal waveform. After Fourier transform, the original time domain signal can be converted into a frequency domain signal, and the power spectral density (PSD) of the original signal can be obtained. Because the low frequency (LF) and high frequency (HF) components of PSD are related to sympathetic and parasympathetic activity, respectively, and the ratio of LF to HF represents the autonomic nervous system (ANS) parameters. Therefore, by subdividing these parameters, the characteristics of the physiological signal can be captured.

Document Sections

- I. Introduction
- II. Related Works
- III. Methods and Procedures
- IV. Results
- V. Conclusion

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Published in: 2018 International Conference on Applied Engineering (ICAE)

Date of Conference: 3-4 Oct. 2018

INSPEC Accession Number: 18326494

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London South Bank University, London, United Kingdom



Abstract

Abstract:

One of the most common problems in humans is a muscle fatigue. Exoskeletons are known as one of the solution to deal with human muscle fatigue. However, several issues related to the development of exoskeletons for such a case have been identified. One of these is the control mechanism. Thus, the objective of this paper is to investigate development of a control strategy for the upper-limb exoskeleton. In this paper, a new control mechanism for an upper-limb exoskeleton is proposed. A fuzzy-based PD controller and PID are used in the proposed control mechanism, and a comparative assessment of the performance of both controllers is made. The results show that the control mechanism with fuzzy-based PD controller performs better than the PID controller in terms of trajectory tracking accuracy and control torque analysis.

Document Sections

- I. Introduction
- II. Methodology
- III. Control Mechanism of An Upper-Limb Exoskeleton
- IV. Results and Discussion
- V. Conclusion

Authors

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