

Date of Conference: 23-23 November **DOI:**

2022

[10.1109/ICACNIS57039.2022.10055568](https://doi.org/10.1109/ICACNIS57039.2022.10055568)

Date Added to IEEE Xplore: 02 March **Publisher:** IEEE

2023

Conference Location: Bandung,

▼ **ISBN Information:**

Indonesia

Electronic ISBN: 979-8-3503-3444-9

USB ISBN: 979-8-3503-3443-2

Print on Demand(PoD)

ISBN: 979-8-3503-3445-6

Book Recommender System using Convolutional Neural Network.....	87
<i>Amelisa Putri, Z. K. Abdurahman Baizal and Donni Rischady</i>	
PCA-AdaBoost Method for a Low Bias and Low Dimension Toxic Comment Classification	93
<i>Mohamad Nurkamal Fauzan, Aji Gautama Putrada, Nur Alamsyah and Syafrial Fachri Pane</i>	
Autoencoder Image Denoising to Increase Optical Character Recognition Performance in Text Conversion.....	99
<i>Nur Alamsyah, Mohamad Nurkamal Fauzan, Aji Gautama Putrada and Syafrial Fachri Pane</i>	
Data-driven Shoreline Change Forecasting on Eretan Beach using Random Forest	105
<i>Putu Harry Gunawan, Iryanto Iryanto, Ahmad Lubis Ghozali, Eka Ismantohadi, Z. K. Abdurahman Baizal and Ari Satrio</i>	
Adaptive Proof of Work Architecture Design by Implementing Multiple Mempool	109
<i>Daniel Soesanto, Teguh Bharata Adji and Igi Ardiyanto</i>	
Implementation of Blockchain and Peer-to-peer Network for Digital Document Management.....	117
<i>Bagas Fadillah Islamay, Yudha Purwanto and Muhammad Faris Ruriawan</i>	
DeRiBa-Fuz: Detection of Ripening Banana Using Fuzzy Logic with RGB and GLCM Extraction	123
<i>Hilmy Shahir Putra Rusmarsidik and Risnandar Risnandar</i>	
A Systematic Literature Review on Natural Language Processing (NLP)	130
<i>Jick Castanha, Indrawati Indrawati, Subhash K. B. Pillai, Gadang Romantoko and Tri Widarmanti</i>	
Machine Learning Model for Temperature and Humidity Automatic Control in Smart Poultry Farm	136
<i>Rahmantio Feraldi, I Ketut Agung Enriko and Estanto Estanto</i>	
Text Emotion Detection: Discover the Meaning Behind YouTube Comments Using Indo RoBERTa.....	141
<i>Tri Widarmanti, Mutia Putri Widodo, Dian Puteri Ramadhani and Muktar Danlami</i>	
XGBoost based solutions for detecting fraudulent credit card transactions	147
<i>Said El Kafilali and Mohammed Tayebi</i>	
Real-Time Face Recognition System in Smart Classroom using Haar Cascade and Local Binary Pattern Model.....	153
<i>Rashani Mohamed, Jaffrina Unaina Jafri and Siti Nurulain Mohd Rum</i>	
Identifying Image of the Correct Use of Face Mask Using Semantic Segmentation Technique	159
<i>Baskoro Adi Wicaksono, Mahmud Dwi Sulistiyo, Ema Rachmawati, Toha Ardi Nugraha and Nik Mohd Zarif Hashim</i>	
Semantic Segmentation for Identifying Road Surface Damages Using Lightweight Encoder-Decoder Network.....	165
<i>Hafiz Abdussyukur, Mahmud Dwi Sulistiyo, Ema Rachmawati, Mansur Maturidi Arief, Gamma Kosala and Adiwijaya Adiwijaya</i>	

A Systematic Literature Review on Natural Language Processing (NLP)

Publisher: **IEEE**

[Cite This](#)



Jick Castanha ; Indrawati ; Subhash K.B. Pillai ; Gadang Ramantoko ; Tri Widarmanti [All Authors](#)

2

Cites in
Papers

743

Full
Text Views



Abstract

Document
Sections



I. Introduction

Abstract:

Natural Language Processing (NLP) is a branch of Artificial Intelligence (AI) technology used by machines to understand, analyze and interpret human languages. In the past decade, NLP received more recognition due to innovation in information and communication technology which led to various research. Thus, it is essential to understand the development taken in the knowledge of literature. The present study