Advances in Computational Intelligence Its Concepts & Applications (ACI 2021)

co-located with the International Semantic Intelligence Conference (ISIC 2021)

https://www.ifis.uni-luebeck.de/~groppe/isic/2021

Proceedings

Hybrid Mode; New Delhi, India, February 25-27, 2021

Edited by

Prateek Agrawal *
Charu Gupta **
Vishu Madaan ***
Deepshikha Kalra ****
Sarika Jain *****

^{*} University of Klagenfurt, Austria

^{**} Bhagwan Parshuram Institute of Technology, New Delhi, India

^{***} Lovely Professional University, Punjab, India

^{****} Management Education & Research Institute, New Delhi, India

^{*****} National Institute of Technology Kurukshetra, Haryana, India

Front Matter ACI 2021

Prateek Agrawal¹, Charu Gupta², Vishu Madan³, Deepshikha Kalra⁴, Sarika Jain⁵

¹ University of Klagenfurt, Austria

³ Lovely Professional University, India

⁴ Management Education & Research Institute, Delhi, India

Abstract

The workshop ACI 2021 has been introduced in 2021 as a special session under the umbrella of the International Semantic Intelligence Conference ISIC 2021. ISIC 2021 has taken due care in finalizing the speakers who are diversified across the whole world and are eminent experts in their field. The conference has also tied up with 14 special sessions with overall 34 chairs. There are 21 members as chairs in the main conference organization and approximately 200 technical program committee members from various countries all around the world. ISIC 2021 showcases one workshop and three tutorials.

ACI 2021 is Hybrid (Face-to-face and Online) in mode. The review and selection process has ensured that only high quality manuscripts in the area of the conference are accepted for final publication. We are glad to share that we received a total number of 35 submissions with 18 papers finding their place in the final proceedings.

Keywords 1

Computational Intelligence, Semantics, Machine learning, Artificial Intelligence

Preface

Computational Intelligence (CI) includes approaches and methods which consist of theories, theorems, proofs, axioms, applications, and comparisons of computationally motivated paradigms. It provides computational solutions of multi-domain problems and applications dealing with the datasets ranging from database to exascale, homogeneity to heterogeneity, volume to velocity, and variety to veracity. In today's era, when Exabytes of data is being generated on a daily basis, there is a great need of some intelligent methods and tools that would be robust and compatible to analyze and extract the meaningful information from them and help the users in making some fruitful and quick decisions.

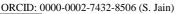
In view of these factors CI, its concepts, applications and meta-heuristics find great applications in solving real-life problems. The aim of this workshop is to record and disseminate the contributions from researchers, academicians, and industry experts in the CI domain. This workshop is a correct platform for information exchange and to bring about quantifiable change to the scientific output.

Table of Contents

A Visual Narrative of Ramayana using Extractive Summarization, Topic Modeling and NER
 Sree Ganesh Thottempudi

Advances in computational intelligence its concepts & Applications, February 25–27, 2021, Delhi, India

EMAIL: Prateek061186@gmail.com (P.Agrawal); jasarika@nitkkr.ac.in (S. Jain); deepshikha017@gmail.com (D. Kalra)





© 2021 Copyright for this paper by its authors. Use permitted under Creative Commons License Attribution 4.0 International (CC BY 4.0).

CEUR Workshop Proceedings (CEUR-WS.org)

² Bhagwan Parshuram Institute of Technology, Delhi, India

⁵ India National Institute of Technology Kurukshetra, Haryana, India

•	HEDCM: Human Emotions Detection and Classification Modelfrom Speech using Anjali Tripathi, Upasana Singh, Garima Bansal, Rishabh Gupta, Ashutosh Kuma	
•	Implementation of Handwritten Digit Recognizer using CNN B M Vinjit, Mohit Kumar Bhojak, Sujit Kumar ,Gitanjali Nikam	21-29
•	Semantic Framework for Facilitating Product Discovery Paras Bhutani, Shubham Kumar Baranwal, Sarika Jain	30-36
•	Knowing the Unknown: Unshielding the Mysteries of Semantic Web in Health C Pallavi Nagpal, Deepika Chaudhary, Jaiteg Singh	Care Domain 37-44
•	Handwritten Offline Devanagari Compound Character Recognition Using Machi Juhee Sachdeva, Sonu Mittal	ne Learning 45-54
•	Real-Time Object Detection And Identification For Visually Challenged People Using Mobile	
	<u>Platform</u> Neeraj Joshi, Shubham Maurya, Sarika Jain	55-62
•	A Deep Learning Based Approach to Detect Suspicious Weapons Prashant Varshney, Harsh Tyagi, Nikhil Kr. Lohia, Abhishek Kajla, Palak Girdhar 63-68	
•	AMD-Network: Automatic Macular Diagnoses of disease in OCT scan images through Neur	
	Network Praveen Mittal, Charul Bhatnagar	69-73
•	<u>Identifying Fake Profile in Online Social Network</u> Himanshi Gupta Nagariya, Neha Dhanotiya, Shruti Joshi, Sarika Jain	74-83
•	Features Contributing Towards Heart Disease Prediction Using Machine Learnin Chetan Sharma, Shankar Shambhu, Prasenjit Das, Shaily Jain, Sakshi	g 84-92
•	An Overview of Lightweight Cipher Rupam Dixit, Lalbaboo Kumar, Sandhya Verma, Kapil Gupta, Sarika Jain	93-101
•	Comprehensive Study of Semantic Annotation: Variant and Praxis Sumit Sharma, Sarika Jain	102-116
•	Tunnel Field Effect Transistor based Biosensors for detection of Biomolecules: A Rishika Sen, Cherry Bhargava	117-126
•	Malware Detection in Internet of Things using Machine Learning enabled Data Science	
	Approach Sunita Choudhary, Anand Sharma	127-131
•	The Analysis of Public Cloud Shanu Kharea, Awadhesh K. Shuklaa and Sripada Manasa L	132-145
•	Context-Aware Model of Abstractive Text Summarization for Research Articles Gopinath Dineshnatha, Selvaraj Saraswathi	146-154
•	Prediction of Heart Disease Mortality Rate Using Data Mining Prasenjit Das, Shaily Jain, Chetan Sharma, Shankar Shambhu, Sakshi	155-163