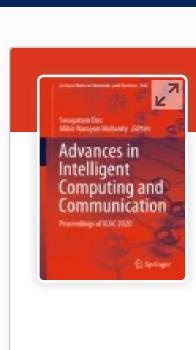
$\rightarrow$ 



Conference proceedings © 2021

Advances in Intelligent Computing and Communication
Proceedings of ICAC 2020

Home > Conference proceedings

Presents research works in the field of intelligent computing and advances in communication
Provides original works presented at ICAC 2020 held in Bhubaneswar, India
Serves as a reference for researchers and practitioners in academia and industry

Part of the book series: Lecture Notes in Networks and Systems (LNNS, volume 202)

32k Accesses | 55 Citations | 11 Altmetric

Sections

Table of contents
About this book
Keywords
Editors and Affiliations
About the editors
Bibliographic Information

This is a preview of subscription content, access via your institution. Table of contents (67 papers) Search within book Page 2 ← Previous of 4 Next → Design and Characteristics Mode Analysis of Compact DGS-Based UWB-**MIMO** Antenna Vipan Kumar Gupta, Rikshit Baru Pages 199-209 A Hybrid Model for Epileptic Seizure Classification Using Wavelet Packet **Decomposition and SVM** Millee Panigrahi, Dayal Kumar Behera, Krishna Chandra Patra Pages 211-219 Blockchain Technology and Its Implementation Challenges with IoT for **Healthcare Industries** Ashish Kumar Mourya, Bhavya Alankar, Harleen Kaur Pages 221-229 Smart Solution for Leaf Disease and Crop Health Detection Alisha Dwari, Adyasha Tarasia, Adyasha Jena, Sukalpa Sarkar, Sourav Kumar Jena, Sipra Sahoo

A Novel Random Vector Functional Link Neural Network for Identification of Nonlinear Dynamic Systems

Debashisa Samal, Hemanta Kumar Palo, Laxmipriya Samal, Badri Narayan Sahu
Pages 253-263

Implantable Insulin Delivery System Based on the Genetic Algorithm PI

Object Detection using GM based Clustering Algorithms

Susmita Panda, Aman Kumar Agrawal

Pages 265-273

Saumendra Kumar Mohanty, Asit Subudhi, Santanu Kumar Sahoo

Shibanee Dash, Saumendra Kumar Mohanty

Pages 287-294

<u>Algorithm</u>

Pages 329-336

Pages 337-345

<u>Algorithms</u>

Approaches in India

Akshaya Kumar Patra, Narayan Nahak, Bidyadhar Rout, Anuja Nanda

Pages 231-241

Pages 243-252

Controller (GA-PIC)

Spectrum Sensing Analysis Using Water-Fill Algorithm and Energy Detection
Using GNU-Radio for Cognitive Radio Users

A Comparison of Oversampling and Transformation Techniques Used for

Analysis of PAPR in a Real and Complex OFDM System for 5G Applications

An Empirical Study on Analysing DDoS Attacks in Cloud Environment

Iflah Aijaz, Sheikh Mohammad Idrees, Parul Agarwal

Pages 295-305

Abhilash Pati, Manoranjan Parhi, Binod Kumar Pattanayak
Pages 307-316

Bandwidth Enhancement of a Parasitic Path Loaded Antenna Using PSO

COVID-19 Pandemic Analysis and Prediction Using Machine Learning

Vipan Kumar Gupta, Simranjit Kour, Dinesh Kumar Pages 317-327

Classification of Soil and Prediction of Total Nitrogen Content Present in Soil
by Using Hyperspectral Imaging

Performance Analysis of Cloud Computing Encryption Algorithms

Shreya Pandey, Biswakalpita Routray, Barsha Bijayini Samal, Niranjan Nayak, Pravat Rout

Brain Image Classification Using the Hybrid CNN Architecture

Pranati Satapathy, Sateesh Kumar Pradhan, Sarbeswara Hota, Rashmi Ranjan Mahakud

Manoj Kumar Behera, Kanti Mahanti Sai Kishore, S. Chakravarty

Adaptive Beamforming Using LMS Algorithm for Planar Arrays and Subarrays

Aditya Peddireddy, B. S. Sachin, H. R. Rohit, B. S. Premananda

Pages 347-356

Mhamad Bakro, Sukant K. Bisoy, Ashok K. Patel, M. Adib Naal
Pages 357-367

Comparative Analysis Among Five Stochastic Search-Based Optimization

Reywords

Intelligent Computing Powerline Communications Big Data Networking

Machine Learning Microwave Communication Mobile Computing

**Cognitive Radio and Networks** 

Back to top ↑

**Smart Grid Communication** 

**Editors and Affiliations** 

Mihir Narayan Mohanty

About the editors

to be University), Bhubaneswar, India

conversion processes and technologies.

**Electronics and Communication Science Unit, Indian Statistical Institute, Kolkata, India**Swagatam Das

Back to top ↑

Department of Electronics and Communication Engineering, Institute of

Technical Education and Research (ITER), Siksha 'O' Anusandhan (Deemed

Swagatam Das received his B. E. Tel. E., M. E. Tel. E (Control Engineering specialization), and Ph. D. degrees, all from Jadavpur University, India, in 2003, 2005, and 2009, respectively. Currently serving as an Associate Professor at the Electronics and Communication Sciences Unit of the Indian Statistical Institute, Kolkata, India, his research interests include evolutionary computing, pattern recognition, multi-agent systems, and wireless communication. Dr. Das has published more than 300 research

articles in peer-reviewed journals and international conference proceedings. He is the founding co-

also served as or is serving as an associate editor of various journals, including Pattern Recognition,

Neurocomputing, Information Sciences, IEEE Access, and so on. He is an editorial board member of

editor-in-chief of Swarm and Evolutionary Computation, an international journal from Elsevier. He has

numerous other journals, including Progress in Artificial Intelligence, Applied Soft Computing, and Artificial Intelligence Review. Dr. Das is the recipient of the 2012 Young Engineer Award from the Indian National Academy of Engineering (INAE), and of the 2015 Thomson Reuters Research Excellence India Citation Award for the highest cited researcher from India in the Engineering and Computer Science category for the period 2010 to 2014.

Dr. Mihir Narayan Mohanty received his M.Tech. in Communication System Engineering from Sambalpur University, Odisha, and his Ph.D. in Applied Signal Processing from Biju Patnaik University of Technology, Odisha. He is currently serving as a Professor at the Department of Electronics and Communication Engineering, Institute of Technical Education and Research (FET), Siksha 'O'

Anusandhan (Deemed University), Bhubaneswar, Odisha. With 24 years of teaching experience, his

research interests include intelligent signal and image processing, digital signal/image processing,

biomedical signal processing, microwave communication engineering, and antennas. He has

published over 300 research papers in national and international journals and conference

proceedings, and has received various national and international awards for his contributions. He is an active member of numerous professional societies, e.g., the IEEE, IET, IETE, ISTE, EMC & EMI Engineers India, etc. Dr. Mohanty is also an active reviewer for the IEEE, Elsevier, Springer, and several international conferences.

Back to top 

Bibliographic Information

Advances in Intelligent
Computing and Communication

Series Title
Lecture Notes in Networks and
Systems

Proceedings of ICAC 2020

DOI
https://doi.org/10.1007/978981-16-0695-3

Copyright Information
The Editor(s) (if applicable) and

**Book Subtitle** 

**Book Title** 

**Edition Number** 

Computational Intelligence,

Networks, Electrical Power

Communications Engineering,

Artificial Intelligence,

**Topics** 

**Engineering** 

Back to top 1

Home Impressum

**SPRINGER NATURE** 

Affiliate program

Robotics, Intelligent
Technologies and Robotics (R0)

eBook ISBN
978-981-16-0695-3
Published: 22 May 2021

The Author(s), under exclusive
license to Springer Nature
Singapore Pte Ltd. 2021

Series ISSN
2367-3370

Series ISSN 2367-3370 Number of Pages XVIII, 727

Number of Illustrations 85 b/w illustrations, 335 illustrations in colour

**Editors** 

Mohanty

**Publisher** 

Springer Singapore

978-981-16-0694-6

Published: 23 May 2021

**Softcover ISBN** 

**Series E-ISSN** 

2367-3389

Swagatam Das, Mihir Narayan

✓ eBook
 Price includes VAT (India)
 ISBN: 978-981-16-0695-3
 Instant PDF download
 Readable on all devices
 Own it forever
 Exclusive offer for individuals only
 Tax calculation will be finalised during checkout
 Buy eBook
 ➤ Softcover Book
 EUR 229.99

Access via your institution

Pages 369-380 Comparative Study of Machine Learning Algorithms for Predicting Lung Cancer Imlee Rout, Monarch Saha, Soumen Nayak, Nirjharini Mohanty, Vishal Baral Pages 381-389 An Interactive Machine Learning Approach for Brain Tumor MRI **Segmentation** Sachikanta Dash, Rajendra Kumar Das, Subhankar Guha, Surendra Nath Bhagat, G. K. Behera Pages 391-400 Performance Analysis of Fractional Order Filter Using Fractional Order **Elements** Tapaswini Sahu, Madhab Chandra Tripathy, Kumar Biswal, Sanjeeb Kumar Kar Pages 401-408 ← Previous Page of 4 Next → Back to top 1 About this book This book presents high-quality research papers presented at the 3rd International Conference on Intelligent Computing and Advances in Communication (ICAC 2020) organized by Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar, Odisha, India, in November 2020. This book brings out the new advances and research results in the fields of theoretical, experimental, and applied signal and image processing, soft computing, networking, and antenna research. Moreover, it provides a comprehensive and systematic reference on the range of alternative

**ICAC 2020** 

Over 10 million scientific documents at your fingertips

© 2023 Springer Nature Switzerland AG. Part of Springer Nature.

<u>Legal information</u>

Academic Edition Corporate Edition

Privacy statement California Privacy Statement How we use cookies Manage cookies/Do not sell my data Accessibility FAQ Contact us