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ICBNA 2022
1ST IEEE INTERNATIONAL CONFERENCE ON BIO-NEURO INFORMATICS MODELS AND ALGORITHMS

IEEE

ICBNA 2022

21ST - 22ND JUNE 2022

Objectives :

- ICBNA is a multidisciplinary conference that brings together scientists from computer science, molecular biology, mathematics, and other fields on a single platform.
- The event addresses the latest research in these fields application of advanced computational methods towards biological problems.
- It will be a great opportunity for scientists, engineers, researchers, teachers and students to exchange and share their experiences, new ideas, and research results about all aspects in related fields.

Concept and Introduction :

As part of the Symbiosis International (Deemed University), India internationalization efforts, Symbiosis Institute of Digital and Telecom Management (SIDTM) signed an MOU with Samara State Medical University (SSMU), Russia, for academic and research collaborations. Thus, the joint initiative with Symbiosis Medical College for Women (SMCW), Symbiosis Institute of Technology (SIT), and SIDTM in collaboration with the Samara State Medical University in Russia. To launch globalization, a virtual conference will be held on the 21st and 22nd of June 2022.

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CALL FOR PAPER

THE PRIMARY GOAL OF IEEE ICBNA 2022 IS TO ENDOW OPPORTUNITIES FOR ACADEMICIANS, SCIENTISTS AND RESEARCH SCHOLARS ALONG WITH PROFESSIONALS, DECISION MAKERS, AND INDUSTRIAL PRACTITIONERS TO DELIVER AND CONFER THEIR RESEARCH CONTRIBUTIONS.

We will also consider the best accepted papers for publication in one of our peer-reviewed Online International Journals in special issues and in IEEE Xplore Conference Proceedings indexed in SCOPUS and WoS

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Track - 1
Bioinformatics and Data Mining of Biological Data (BiDMBD)

Track - 2
Neuroscience, Neurotechnology, Neuroinformatics

Track - 3
Technology in Healthcare

Track - 4
Technological Innovation

All accepted, registered and presented papers will be published in IEEE Xplore conference proceedings.

Authors are invited to submit papers describing original, previously unpublished work, not currently under review by another conference, workshop, or a journal. Full Regular papers (maximum 8 pages, 8 pt font in IEEE format) should present novel perspectives within the general scope of the conference. Short papers (up to 4 pages) are an opportunity to present preliminary or interim results on hot topics in a poster session. Symposium papers (maximum 6 pages) enable timely discussion of novel ideas and challenging future directions on emerging topics in networking. Both full and short papers are published in the proceedings and IEEE Xplore. All papers must include title, complete contact information for all authors, abstract, and keywords on the cover page. IEEE reserves the right to remove papers from IEEE Xplore that are not presented at the conference.

Furthermore, the IEEE ICBNA 2022 will include a Doctoral track session in support of graduate student's research. The goal of the Doctoral Track is to engage graduate students, especially Ph.D. students, that work in the general area of networking to actively participate and contribute to the IEEE ICBNA Conference. More information can be found on the conference Web site.

Email : saikat.gochhait@sidtm.edu.in ------ https://sidtm.edu.in/icbna-2021/

ICBNA
2022

KEYWORDS/CONFERENCE TOPICS

TRACK 1:: Bioinformatics and Data Mining of Biological Data (BiDMBD)

Biomedical Computing
Biomedical Intelligence
Biomedical Signal and Image Analysis
Biomedical Text Mining and Ontologies
Bio-Visualization
Clinical Data Analysis
Clinical Decision Support and Informatics
Electronic Health Record
Healthcare Information Systems
Health Data Acquisition, Analysis and Mining
Healthcare Knowledge Representation & Reasoning
Medical Informatics
Medical Robotics

Track 2: Neuroscience, Neurotechnology, Neuroinformatics

Workflow Management / Bioinformatics Analysis Pipelines
Biological Algorithms
Biological Databases
Biological Sensors
Computational Modeling and Data Integration
Functional Genomics, Proteomics
Gene Expression Array Analysis
Clinical Decision Support and Informatics
Genome-Phenome Analysis
Machine Learning
Metabolic Pathway Analysis
Modelling of Molecular, Cellular, and Organ Pathways
Nano-Bio-Computing
Nano-Medicine
Neuro-Engineering
Pattern Recognition and Soft Computing Techniques
Research and Applications in Bioinformatics
Systems Biology
Tissue Engineering
Translational Bioinformatics

Track 3: Technology in Healthcare

AI powered IOT applications
AI in Healthcare.
IOT in Healthcare.
ML in Healthcare.
AR/VR in Healthcare.
Cybersecurity in Healthcare.
Fintech in Healthcare.
Analytics in Healthcare.
5G/6G in Healthcare.
Forensics in Healthcare.
Blockchain in Healthcare.
Marktech in Healthcare.
Regulations and Policy in Healthcare.
Data Privacy and Data Protection in Healthcare.
Robotics in Healthcare.
Wearable Devices in Healthcare.
Healthcare Penetration Technology.
Embedded Technology in Healthcare.
Data Science in Healthcare.
Image Processing Technologies in Healthcare.
Medical Simulation Technologies in Healthcare.
Medical Health card / Smart card Technology in Healthcare.

Track 4: Technology Innovation

Artificial Intelligence
Data Science
Soft computing
Neural Networks
Robotics
Internet of Things
Signal processing
Microwave and RF
VLSI & Nanotechnologies
Communication technologies

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&
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DR. NEHA SHARMA

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