Workshop on Applications of Computational Intelligence and Interactive Systems (WACIIS-2023)

A Pre-Conference Workshop with IHCI-2023
(Technically Co-Sponsored by IHCI Society https://www.ihcisociety.org/ihci-2023)

August 18-19, 2023

Organized by
Centre for Artificial Intelligence, Banasthali Vidyapith, India

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Call for Papers

General Chairs

Ina Aditya Shastri
Banasthali Vidyapith, India

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IIIT Allahabad, India

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Sambit Bakshi
NIT Rourkela, India

Organizing Chairs

Rajiv Singh
Banasthali Vidyapith, India

Swati Nigam
Banasthali Vidyapith, India

Important Dates

Full Paper Submission:
May 30, 2023

Notification of Acceptance:
June 30, 2023

Camera Ready Submission:
July 15, 2023

Workshop Dates:
August 18-19, 2023

Contact Us

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Workshop on Applications of Computational Intelligence and Interactive Systems (WACIIS-2023) aims to address the current state of the art for enterprises and organizations in the rapidly evolving artificial intelligence (AI) techniques that aim to automate machines through the application of handcrafted machine learning and deep learning algorithms. Computational intelligence is a subset of artificial intelligence that utilizes fuzzy networks, evolutionary computing, and neural networks to enable models to make wiser judgements by mining the collective human knowledge. On the other hand, robotics and automation are attracting increased interest across a broad spectrum of industries due to their capacity to work in hazardous conditions and generate more valuable outcomes at a lower cost for implementing interactive systems. The incorporation of computational intelligence and machine learning algorithms into robotics enables them to make more effective decisions without human involvement in real time in relation to their previous outcomes. WACIIS-2023 aims to bring together researchers, engineers, and practitioners interested in the advancement of computational intelligence techniques and interactive systems, with a particular emphasis on robotics and automation, signal, vision, and language processing.

This workshop will be hosted at the Centre for Artificial Intelligence, Banasthali Vidyapith, Rajasthan, India jointly in collaboration with IHCI-2023.

Authors are invited to submit their original work and ideas to WACIIS-2023 as per the submission guidelines. Major topics of interest to workshop includes (not limited to) the following.

Track 1: Computational Intelligence in Signal, Vision, and Language Processing
- Soft Computing
- Artificial Intelligence and Machine Learning
- Computer Vision and Pattern Recognition
- Brain Computer Interface and Cognitive Computing
- Human-to-Machine Interaction
- Speech Recognition and Synthesis
- Information Retrieval and Extraction
- Question Answering
- Context Aware Computing
- Signal and Image Processing
- Evolutionary Computation Techniques and Applications
- Intelligent Signal Processing and Data Analysis
- Intelligent Video Analytics
- Cyber Security and Forensics
- Intelligent Multimedia Surveillance
- Social Intelligence AI and Social Cognitive Systems
- Augmented and Virtual Reality

Track 2: Interactive Systems using Robotics and Automation
- Circuits and Control Systems for Artificial Intelligence
- Smart Embedded Systems and Robotics
- Socio-Technical Systems
- Autonomous Agents
- Internet of Things (IoT)/Internet of Everything (IoE)
- Cognitive Systems and Robotics
- Collective and Social Robots
- Drones and Internet of Things for Surveillance
- Human-Machine Interfaces
- Humanoid Robots
- Human-Robots Interfaces
- Industrial Networks and Automation
- Machine Learning for Control Systems
- Mobile Robots and Intelligent Autonomous Systems
- Robot Design, Development and Control
- Space and Underwater Robots
- Wearable Robotics for Assistance and Rehabilitation

Registration Details

Indian Authors (INR)

Category	Early Bird		Late Registration	
	Member IHCI Society	Non-Member	Member IHCI Society	Non-Member
Student	5000	6000	6000	7000
Faculty/Research Scholar (PhD)/Researcher	8000	9000	9000	10000
Industry Person	10000	11000	11000	12000
Non-author	2000	2500	3000	3500

International Authors (USD)

Category	Early Bird		Late Registration	
	Member IHCI Society	Non-Member	Member IHCI Society	Non-Member
Student	250	300	300	350
Faculty/Research Scholar (PhD)/Researcher	350	400	400	450
Industry Person	450	500	500	550
Non-author	100	150	150	200

Submission Guidelines

The papers may be submitted in the following categories.

Full papers (10 ~ 12 pages) are invited that describe developed work. Authors of papers reporting experimental work are encouraged to make their data and experimental results available online or via data publication.

Poster/ Short papers (4 ~ 6 pages) are invited to share novel ideas that may not have been fully developed but are in progress.

The submitted paper should be in English and PDF format and must strictly meet the **LNCS (Springer) Template** and should be submitted using the **Microsoft CMT portal.** The paper should include title, abstract, keywords and complete academic information of authors. The submitted paper will be checked for plagiarism using **Turnitin.**

Kindly note that if a paper receives a High Similarity Score (>15%), it will be investigated, and if it is found to be plagiarized, it will be rejected/withdrawn without a formal review.

All papers must be submitted electronically using Microsoft CMT portal, available at following link:

https://cmt3.research.microsoft.com/WACIIS2023

All accepted and presented papers will be published in the proceedings of IHCI-2023 and submitted to Lecture Notes in Computer Science (LNCS), Springer.

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www.banasthali.org   **www.waciis.in**   **www.ihcisociety.org**