

**Special Session on  
Cognitive Computation, Machine Learning & Artificial Intelligence  
at  
The 22nd International Conference on Intelligent Systems Design and Applications  
(ISDA'22)  
on  
World Wide Web  
December 12-14, 2022**

<http://www.mirlabs.org/isda22/>

### **Objectives and Scope**

Artificial Intelligence (AI) is quickly evolving in industry, community, and technological environments. Machine intelligence artifacts injected with AI and cognition are progressively becoming a part of our social, financial, and cultural activities, as well as commercial and industry interactions. By significantly augmenting the human ability for problem-solving and rapid decision-making in terms of speed, precision, and accuracy, cognitive machine intelligence is creating unparalleled opportunities for influential discoveries in science and societal transformations, while cultivating innovations in all of our human endeavors from scientific breakthroughs, solving long-standing healthcare issues, designing highly interconnected and globally recognized systems, and so on.

The special session aims to promote the exchange and communication of innovative ideas, and collaboration, among academicians, professionals, scholars, and others from academia, industry, and government who are keen to develop innovative AI/ML methodologies, applications, and systems by integrating cognitive science and putting people in the loop, thereby trying to promote innovative technologies in cognitive machine intelligence.

### **Subtopics**

The topics include, but are not limited to:

- Cognitive Modelling for Recommender System
- Social Intelligence AI and Cognitive Systems
- Cybersecurity and Cognitive Intelligence
- Natural Language Processing and Human-to-Machine Interaction
- Image/Audio/Video Processing and Computer Vision
- Intelligent Signal Processing and Data Analytics
- Real-Time Autonomous Systems
- Artificial IoT and Network Intelligence
- AI and Virtual Reality
- Explainability of decision-making models

## **Paper Publications**

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (Indexed in SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago)  
<https://www.springer.com/series/15179>
- Papers maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at:  
<https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>

## **Important Dates**

Paper submission due:	September 30, 2022
Notification of paper acceptance:	October 31, 2022
Registration and Final manuscript due:	November 15, 2022
Conference:	December 12-14, 2022

## **Special Session Chairs:**

- Alpana, Department of Computer Science and Technology, Manav Rachna University, Faridabad, Haryana, India < alpana.srk@gmail.com >
- Nancy Girdhar, University of La Rochelle, La Rochelle, France  
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