

## Call for Contributions

### Note: Onsite and Online Options

In order to accommodate a large number of situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person, but are aware that special circumstances are best handled by having flexible options.

**1. Inform the Chair:** with the Title of your Contribution

**2. Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ACHI+2020+Special>

Please select Track Preference as **MACHINE**

Special track

## **MACHINE: Machine Learning in Human-Computer Interaction Systems**

### **Chair and Coordinator**

PhD Candidate, Idoko John Bush, Near East University - Nicosia, North Cyprus

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along with

**ACHI 2020**, The Thirteenth International Conference on Advances in Computer-Human Interactions

<https://www.iaria.org/conferences2020/ACHI20.html>

November 21 - 25, 2020 - Valencia, Spain

The goal of this special track is the dissemination of exploits made in the field of Human-Computer Interaction Systems by our potential contributors. Human-Computer Interaction Systems have experienced an overwhelming growth over the last 50 years, from the efforts of several computer engineers exploring whether computers could learn to play games, draw inferences from statistical computation, deduce theories of learning processes by designing learning algorithms routinely utilized in commercial systems for computer vision, speech recognition, security systems, medical diagnosis, etc.

The relevance has also been witnessed in industry in data mining to discover hidden regularities in the growing volumes of online data. In this special track, we hope to provide quality research works in the field of Human-Computer Interaction Systems that addresses its relationship to engineering, sciences, the society at large, and future projections.

### **Topics include, but not limited to:**

- Object detection and recognition;
- Pattern recognition;
- Applications of convolutional neural networks;
- Integration of two or more deep structures;
- Integration of deep structures with other shallow learning structures for solving medical/scientific problems;
- Classification problems using deep structures, neural networks and other machine learning techniques;
- Application of fuzzy systems to medical data;
- Image processing

## **Contribution Types**

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Presentations: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Demos: two pages [posted on [www.iaia.org](http://www.iaia.org)]

## **Important Datelines**

Inform the Chair: As soon as you decide to contribute

Submission: September 21

Notification: October 11

Registration: October 21

Camera-ready: October 21

*Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.*

## **Paper Format**

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

## **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

## **Paper Submission**

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=ACHI+2020+Special>

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## **Registration**

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

## **Contact**

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