

## Call for Contributions for

### Submission:

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

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=DATA+ANALYTICS+2019+Special>

Please select Track Preference as **AI-GH**

Special track

## **AI-GH: Artificial Intelligence in Global Health**

### **Chair and Coordinator**

Prof. Dr. Les Sztandera, Thomas Jefferson University, USA

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along with

**DATA ANALYTICS 2019**, The Eighth International Conference on Data Analytics

<http://www.iaria.org/conferences2019/DATAANALYTICS19.html>

September 22, 2019 to September 26, 2019 - Porto, Portugal

Artificial intelligence (AI) refers to the ability of a machine to perform a task that is normally done by humans, including complex problem solving and learning. AI systems and applications are ubiquitous in human lives. Given the proven effectiveness of AI-enabled applications in other domains, AI has been introduced into many areas of medicine. In fact, AI systems and applications are now poised to disrupt healthcare, with the potential to improve patient outcomes, reduce costs, and enhance work-life balance for healthcare providers.

AI has a valuable predictive power and enables clinicians to determine, with an acceptable level of accuracy, the proper diagnosis, treatment protocol, or medicine dosage. Classification is the most often used technique utilizing analytics in medical informatics. Analytics can have a profound effect in medical informatics. Artificial Intelligence is not a “magic bullet,” though, for a given study.

In this track, best practices of Artificial Intelligence in Medicine will be highlighted. Privacy and security issues will be discussed. Also, avoiding bias that may be introduced by the training data used is critical to ensuring AI approaches do not perpetuate or exacerbate existing clinical biases. Finally, best practices and, potentially, new paradigms are outlined for how to best protect patient privacy.

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

- Biomedical imaging and signal processing
- AI solutions for assisted living, tele-medicine and tele-health
- Big data analytics
- Machine learning, knowledge discovery and data mining
- Biomedical ontologies and terminologies
- Biomedical knowledge acquisition and management
- Healthcare processes and workflow management
- Patient engagement support (digital healthcare records)

### **Important Datelines**

Inform the Chair: As soon as you decide to contribute

Submission: July 26, 2019

Notification: August 16, 2019

Registration: August 26, 2019

Camera-ready: August 26, 2019

*Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.*

### **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)]

### **Paper Format**

- See: <http://www.iaia.org/format.html> [both LaTeX and .doc templates]
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>
- More information on camera ready preparations will be posted after the paper notifications are sent out.

### **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=DATA+ANALYTICS+2019+Special>  
Please select Track Preference as **AI-GH**

### **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>

### **Contacts**

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