Call for Contributions for
Submission:
1. **Inform the Chair:** with the Title of your Contribution
2. **Submission URL:**
   Please select Track Preference as **DLH**

   Special track
   **DLH: Deep Learning Applications in Healthcare**

   **Chair and Organizer**
   Dr. Harshavardhan Achrekar, University of Massachusetts Lowell, USA  
   hachreka@cs.uml.edu

   along with

   **GLOBAL HEALTH 2018,** The Seventh International Conference on Global Health Challenges
   November 18 - 22, 2018 - Athens, Greece

   This special track aims at exploring new possibilities in Healthcare domain based upon Deep Learning techniques. Artificial Intelligence (AI) is relevant life sciences, medicine, and healthcare, as well as in industry. Data Scientists attempt to invent models, innovative methods and tools used to predict healthcare outcomes. Researchers have been using patient health trackers information data to better understand medical complexities and explain diagnostics reporting. Deep Learning can provide key insights on delivery of care, help cure diseases and improve population management through sophisticated neural networks based data-intensive computation techniques.

   **Topics include, but not limited to:**
   - Predictive analytics for clinical decision-making
   - Real-time patient tracking/assessment to point-of-care interventions
   - Precision medicine and population health management
   - Designing, training, and deploying neural network-powered machine learning applications for precise diagnosis.
   - Uses of Deep Learning in Chest abnormality detection, CT scans, Cardiac imaging, MRI scanning
   - Deep learning approaches incorporated in the HER (Encounters, Labs, Medications, Vital Signs, Procedures, Diagnoses, Notes)

   **Important Datelines**
   **Inform the Chair:** As soon as you decided to contribute
   Submission; October 5
   Notification: October 20
   Registration: October 30
   Camera-ready: October 30
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.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

**Paper Format**
- See: [http://www.iaria.org/format.html](http://www.iaria.org/format.html)
- Before submission, please check and comply with the editorial rules: [http://www.iaria.org/editorialrules.html](http://www.iaria.org/editorialrules.html)

**Publications**
- Extended versions of selected papers will be published in IARIA Journals: [http://www.iariajournals.org](http://www.iariajournals.org)
- Print proceedings will be available via Curran Associates, Inc.: [http://www.proceedings.com/9769.html](http://www.proceedings.com/9769.html)
- Articles will be archived in the free access ThinkMind Digital Library: [http://www.thinkmind.org](http://www.thinkmind.org)

**Paper Submission**
Please select Track Preference as **DLH**

**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.iaria.org/registration.html](http://www.iaria.org/registration.html)

**Contacts**
Harshavardhan Achrekar: hachreka@cs.uml.edu
GLOBAL HEALTH Logistics: steve@iaria.org
-------------------------