

# **Summary of Discussion**

## **Technical Committee on Translational Engineering and Healthcare Innovation (TEHI)**

Teleconference Meeting  
May 6, 2016

### Agenda

1. Welcome Remarks
2. Review of minutes and action items
3. TC Role: EMBC2016
4. Planning of IEEE\_NIH POC-HI Conference in Cancun
5. GHCN update and next steps
6. JTEHM Update
7. New Business
8. Adjourn

The teleconference meeting started with introductions and review of minutes from the last meeting.

Atam thanked technical committee members for their help in handling reviews for Theme 12 of the 2016 EMBS annual conference to be held in Orlando this year.

Current status on organizing the Fourth NIH-IEEE POC technologies conference in Cancun was discussed. Atam urged TC members to help and participate in the conference. Several members are in the organizing committee. The draft program schedule is ready. Ki Chon will work with Ed Livingston on organizing a special session on arrhythmia monitoring. Julian Goldman will give a keynote address on the second day on interoperability and standards in the development and implementation of POC technologies. A breakout session will be scheduled on this important topic.

GHCN planning steps were discussed with ppt slide of the schematic conceptual functional diagram of the GHCN. Julian pointed out that there are inter and intra-level iterative processes that are critical for the outcomes. Atam will update the diagram to show iterative inter-level processes. It is important to realize that through the functions can be initiated bottom-up or top-down; they all depend on iterative inter-level interactions for optimal impact.

TC members were requested to help identifying Point-of-Contacts of regional networks and databases to follow up on how they can be interfaced for developing stronger integrated collaborative global resource. TC members and POC will send brief description and contact information of local resources to Atam to follow up.

We have been developing an initial prototype platform of GHCN using HUBZERO software. A student is working on developing preliminary interfaces to connect to regional databases towards developing a project schema for defining problems, specifications, and potential solution approaches. It is anticipated that the first preliminary prototype may be discussed at the upcoming EMBC and POCT conferences.

JTEHM is publishing a special issue on the papers presented at the 2015 NIH-IEEE Strategic Conference on Point-of-Care Technologies for Precision Medicine held in Bethesda last year. The special issue is scheduled to be published in late July. TC members were requested to promote JTEHM and submit translational research papers for publication.

Next TEHI TC teleconference meeting will be scheduled in July.