

## **Working Group Minutes 2019-07-04**

Present: Martin Turner, Harry T., Will H., David A., Nikos Dikaios, Evgueni, Kris T.

On Call: Julian M, Edo, Christoph K., Richard B.

**Summary of events and grant** (Kris).

**SIRF 2.\* towards true synergy** (Evgueni)

**Paper submitted** – figures from paper presented (Kris)

**Registration integration update** (Richard)

**Data agreements update** (Kris)

- Little change.
- Letter from Siemens but doesn't give desired permissions.

### **Deliverables**

On track, except for phantom and patient data, and outreach. Harry has done some outreach.

**HT** to send details of his outreach activities.

Software deliverables – details are online.

### **CIL Common Image Library Integration with SIRF** (Edo)

Integration performed at Hackathon (Dec 2018). Currently CIL has advanced with 500+ commits.

### **GE Signa** (Kris, Harry, Nikos E, Palak)

TOF integration

MR – lacking ability to convert to ISMRMRD for all except a few basic sequences.

### **PTB Simulation Framework** (Christoph)

Summary of presentation given at ISMRM

### **STIR updates** (Kris)

### **General Strategy** (Kris)

Use of “engines” from others is problematic (versions, dependencies etc), but will allow other engines. Also, easier to resource integration experts than modality specific experts

### **PET/MR Harmonisation** (Julian)

Update from DPUK

PET-MR CCP phantoms – suggestion of student projects to push phantom data collection. Types of phantom suggested: Hoffman brain (Newcastle), textured (Manchester). Issue of 'strange' phantoms and integrating attenuation maps.

Gasper has left.

### **Meetings**

3<sup>rd</sup> Hackathon – Hull, 24-26 July, Machine Learning

4<sup>th</sup> Hackathon – September, Synergistic. Leeds?

Synergistic Image Reconstruction Symposium (CCP PETMR & CCPI)

After IEEE MIC November 3<sup>rd</sup>-4<sup>th</sup> (Hallmark Hotel, The Queen, Chester) and training session

5<sup>th</sup>-6<sup>th</sup> (Stay in Chester, but training at Daresbury)

Symposium: 4 Edu talks, 20 invited scientific.

### **CCP Renewal Calls**

Call to open end of July, deadline early October.

Expand to non-simultaneous modalities

Discussion of fundamental recon vs image analysis. Feeling was that it should be more towards fundamental.

Support for longitudinal QA and studies?

Simulating change of equipment, software upgrades.

CT likely to be hard to get raw data + no UK experts?