

Software Meeting UCL 18 January, 2016.

Present

Kris Thielemans, Iain Pierce (Brompton, Imperial), Abolfazl Mehranian (KCL), David Atkinson, Ron Fowler, Evgueni Ovtchinnikov, Alaleh Rashidnasab (UCL),

WebEx

Claudia Prieto, Hui Xue (NIH), Gillian MacNaught (Edinburgh), Julian Matthews, Christoph Kolbitsch (PTB Berlin)

Evgueni demonstrated his Python scripts to use the Gadgetron on a virtual machine. The VM had been made available prior to the meeting and participants had been able to run the software.

Discussion about XML configurations, Python gadgets, MATLAB interface. The demonstration used Gadgetron in client server mode, rather than self contained processing within Python as previously shown by Christoph. The client server mode may be easier to use on MATLAB and Python.

Kris highlighted some of the features of Git relevant to development on a forked repository. The CCP now has a collection of repositories at: <https://github.com/CCPPETMR>

Actions

Ron to investigate automatic software testing programs relevant to Python and MATLAB development.

Evgueni / Ron possible next steps:

- Sending XML local configuration file as a string (rather than filename of Gadgetron pre-installed XML file).

- MATLAB interface in similar style.

- Gadgetron Readers and Writers to allow running of part of a chain.

- Python wrapped gadgets.

- Placing source code outside of /usr/local ? - normally would be below home directory.

- Use Siemens file as input (requires using converter to ISRMRD hdf5 format).

