

CCPi Working Group Tuesday 17th June at 13.00
 Atlas Visualisation Facility, Rutherford Appleton Laboratory

Attendees

- Prof Philip Withers – Chair (PW)
- Martin Turner (MT)
- Daniil Kazantsev (DK)
- Ron Fowler (RF)
- Srikanth Nagella (SN)
- Robert Atwood (RA)
- Mark Basham (MB)
- Peter Lee (PL)
- Graham Davis (GD)
- Thomas Blumensath (TB)
- Richard Boardman (RB)
- Barry Searle via videoconference (BS)
- Gemma Round (GR)

Minute	Item	Action
17.06.01	The meeting began and the attendees introduced themselves	
17.06.02	<p>Agenda Item 1 - Actions from previous meeting</p> <p>DK noted he had been on a workshop to Belgium to look at 4D reconstructions algorithms and had been collaborating with a fellow PhD student and was working on writing a paper together.</p> <p>PW discussed the EU COST programme and noted they, as well as the CCPi, have funding for the next 18 months and so any ideas should be submitted. MT to talk to Bill Lionheart about available COST funding and to see if we can run an event this year.</p> <p>A number of workshops funded by COST are scheduled and it would be useful to identify something to hold in the UK. BS to circulate list of workshops to CCPi for information.</p> <p>Update on visiting fellows</p> <ul style="list-style-type: none"> - Hamid Dehghani is working at Birmingham on near infrared light transportation - PL noted that Brian Bay (DVC code) will be here in the summer to give talks and through EPSRC funding will be back next year as well. <p>BS to circulate list of dates to CCPi for information.</p> <p>MT noted there is a CCPi Developers' Workshop on 22 July at Nottingham University. The focus will be on quantification.</p> <p>PW said that a quantification day is needed and should be well advertised. Could be held at RAL. RF and PL to arrange.</p> <p>The Manchester Diamond collaboration are holding a training session at</p>	<p>MT</p> <p>BS</p> <p>BS</p> <p>RF/PL</p>

	Diamond on 16 and 17 July 2014	
17.06.03	<p>Agenda Item 2 - Report on core support activities/plans (BS/RF/SN) BS presented the activities he has been undertaking.</p> <p>PW commented on the importance of aggregating resources so they can be used more widely and draw together into a more formal group.</p> <p>There is currently a 2 day Avizo training course run by DLS. MB suggested that this could be expanded out so that different universities have an additional day that specialises in a specific area.</p> <p>GD commented this model could be applied to a Drishti training day. MT noted the ToScA meeting is from 1-3 September 2014 and so it would be useful to find a date for GD to host middle/end of September.</p> <p>MT noted that CCPi has the capability for funding trainer training. David Worth had planned a Software Carpentry course. These are generally available so developers may wish to attend one. MB noted that he could run a course in collaboration with the SSI.</p> <p>MT suggested a ParaView course may be useful. RA noted that Kitware offer paid training. RA to find out details.</p> <p>BS to enable access for editing the CCPi website to MT/SN/RF</p> <p>MB gave a presentation on the “Framework” and DLS Tomography pipeline. A discussion on reconstruction followed. PW noted the importance of including cone beam methods in any general framework as these are widely used in laboratory equipment. Suggested talking to Nikon (Sam Hawker) and possibly getting him to give a seminar, once a framework has been started.</p> <p>MB is presenting a general session on DAWN on 26 June in RAL</p> <p>RF went through the core activities he has been working on with SN regarding the quantification of the data-sets.</p> <p>MT presented a slide on the number of users of the different software packages from initial survey results. VolView is little used. ImageJ, Matlab, Avizo and ParaView are popular.</p> <p>It was noted that it was important to publicise the results and make it known that plugins can be added.</p> <p>SN has made the quantification algorithms started by David Worth more robust and is porting them to ImageJ and ParaView. It was discussed that not everything can be made public until they are cited in published papers. Other quantification algorithms are being sort to include in the</p>	<p>RA</p> <p>BS</p>

	<p>package. PW said should aim to publish ASAP and advertise so that more people can use and contribute. PL to push algorithm publication.</p>	PL
17.06.04	<p>Agenda Item 3 - Report on flagship grant (DK) DK explained he has been working on Neutron and CT data and will be publishing a paper shortly. It was agreed it would be straightforward to link his work with MB framework.</p> <p>MB noted he has produced a NeXus site reference in the directory to be used for dataset sharing.</p> <p>MB commented that there is a company called Zenodo (https://zenodo.org/), which is associated with CERN that allows you to get a DOI reference for free. This would allow you to make available work that was waiting for a paper to be published so that it can be cited.</p>	
17.06.04	<p>Agenda Item 4 - Test datasets PW showed a presentation on work his student had undertaken with glass beads. It takes time to work out where algorithms are good/work and where they are bad/not work, by using data already assembled this will help with the process. PW to make presentation and data available to the CCPi community</p>	PW
17.06.05	<p>Agenda Item 5 - Visiting Fellowships PW noted there is an underspend on funds for fellowships and so if anyone has any recommendations they should circulate them around the committee for consideration.</p>	All
17.06.06	<p>Agenda Item 6 - Videos (outreach) PW noted a webinar he presented will be available to download next week. There is a small amount of money from CCPi available for videos. Rebranded currently produced videos are welcome.</p>	
17.06.07	<p>Agenda Item 7 - CCP renewal call MT confirmed the call was now out and the deadline is 7 October 2014 http://www.epsrc.ac.uk/funding/calls/2014/Pages/collcompprojects.aspx PW noted that that the CCPi is successful in growing the community and the numbers taking part in training. An area for improvement is the software.</p> <p>What needs to be considered is - do we want to follow on from the current work and what do we want to focus on? It will be good for computer tomography to have a CCP. All to put forward ideas. Electron Microscopy is a potential new area. MT to talk to Martin Winn about this.</p> <p>MT presented a slide on the CCP Core call targets. Also needed are</p> <ul style="list-style-type: none"> • Number of training days for PhD students • Number of presentations • Number of papers 	All MT

17.06.08	<p>Agenda Item 8 – AOB</p> <p>PW to send MT contact for ToScA symposium</p> <p>PW thanked MB for his presentation and BS, DK, RF and SN for their updates.</p> <p>All original Action points from grant to be completed – aim by new call. List of items here: http://tyne.dl.ac.uk/twiki/bin/view/Visualisation/CCPiTomo</p> <p>The meeting closed at 15.40</p>	PW/MT	
Minute	Action	Person Responsible	Date due to be completed by
17.06.02	Talk to Bill Lionheart about available cost funding and to see if we can run an event this year.	MT	
17.06.02	BS to circulate list of COST workshops to CCPi	BS	
17.06.02	Circulate dates of talks by Brian Bay to CCPi	BS	
17.06.02	Arrange a quantification day.	RF/PL	
17.06.03	Find out details of Kitware ParaView training	RA	
17.06.03	Enable access for editing the website to MT/SN/RT	BS	
17.06.03	Push publication of CCPi quantification algorithms	PL	
17.06.04	Make Sophia Beads presentation available to CCPi	PW	
17.06.06	Suggestions for fellowships.	All	
17.06.07	Ideas about CCPi renewal call to PW	All	
17.06.07	MT to contact Martin Winn re Electron Microscopy in CCPi renewal bid.	MT	
17.06.08	Send MT contact for ToScA symposium	PW	