

CCPi Exec Group Meeting – Monday 26 October 2020

Via 'zoom' video-conference 9:30am-12noon

Minutes

Attendees [8]

Apologies (1): Llion Evans

- Martin Turner (Manchester/STFC, MT)
- Philip Withers (Manchester, PW)
- Bill Lionheart (Manchester, BL)
- Jay Warnett (Warwick, JW)
- Jakob Sauer Jørgensen (DTU, JJ)
- Edoardo Pasca (STFC, EP)
- Gemma Fardell (STFC, GF)
- Evangelos (Vaggelis) Papoutsellis (STFC, EVP)

Minute	Item	Action
20.10.01	<p>Collaboration Agreement: General comments</p> <ul style="list-style-type: none"> • Publication should be with prior notification. Note “Prime Publication” are the two papers in the Royal Society Special Issue; due Nov 2020. • Data transfer and GDPR for personal data clauses are being added. 	PW/...
20.10.02	<p>Collaboration Agreement: Section 6.4 For Management a simpler version, without a full separate Schedule attached is recommended, as there is text in the original proposal:-</p> <p><i>6.4 The Project Leader shall lead the Project board (the “Board” or “Working Group”) as Director and shall be the chair of all Project meetings with one of the Co-Investigators being the co-Director.</i></p> <p><i>The Parties can appoint up to 20 additional members to the Board. The Board shall be responsible for project management and delivery. Decisions shall be taken by a simple majority. Each member shall have a vote and in the event of a tie, the Project Leader shall have a casting vote.</i></p> <p>== FYI From our original Grant proposal the text description is: <i>The CCPi leadership team will comprise PW (as PI) as Director of the Working Group (WG), who will represent the CCP at the CCP Steering Panel and MT/JJ/JW/LIE as Senior Investigators and Work Package Leads. JJ will take the additional role as Co-Director to assist in executing the project, while MT will serve as Project Officer. The CCP will continue to be managed by the WG meeting twice yearly in December and June. The December WG meeting will agree work plans for the core support staff and progress against agreed milestones that will be reviewed in the June meeting. In addition, the WG will monitor progress of any external grants as required. The CCP will continue to involve both experimental users and theoretical/computational developers on the WG to ensure that the project remains focussed on the solution of real world issues faced by end users.</i></p> <p><i>Membership of the WG will be open and aims to have a representative from each active imaging algorithm research group in the UK as well as the major tomographic imaging end users. Strong Industrial involvement on the WG will also continue to ensure that the CCP remains focussed on providing real impact and value for money. If more than 20 wish to join the WG, elections will be held whilst trying to maintain a spread between algorithm developers, users and industry. The CCP will also seek to attract a diverse WG from all end user communities, with the goal of leveraging the EPSRC support by developing funding applications to other UKRI bodies. Network participants would be able to propose candidates for up to 1-month international fellowships, staff knowledge transfer, placements, as well as to identify key</i></p>	MT

	<i>standards and datasets and topics for the public engagement.</i>	
20.10.03	<p>Invited speakers list for new series Nov 2020-Jan 2021</p> <ul style="list-style-type: none"> • Amin Garbout – simulation software needs • Software Developer/User for ARTIST/BAM • Summer Studentships: STFC/SCD and University contacts • Alan Roseman unusual reconstruction needs • ... Other recommendations 	MT + cttee
20.10.04	<p>Agreed support for:</p> <ul style="list-style-type: none"> • Four conferences and related meetings: Process Tomography / ToScA (International) / dXCT / Harwell Campus "Advances" workshop. • Support the creation of a dimensional-XCT Society • Workshop(s) for future EPSRC Roadmap 2021 	MT
20.10.05	<p>Update on grant values:</p> <ul style="list-style-type: none"> • Flagship Grant – non-staffing costs to be covered by CCPi Phase III network grant and new applied for funds to focus on staffing for software development / outreach / integration. • CCPi Phase II is continuing until 31 August 2021 with about £44k remaining. Agreed on re-supporting current proposed events. • CCP Phase III started 1 September 2020 ending 31 March 2025. 	ALL
20.10.06	<p>Publications: key Royal Society Phil Trans and JW to become a reviewer.</p> <p>Questions regarding CIL:</p> <ul style="list-style-type: none"> • TIGRE to be a potential plug-in • Follow on use-case papers for CIL software use: hyperspectral / laminography /... • Advertisement/presentation on SCD-STFC Imaging Forum 	JJ/EP
	<p>CIL Training and hand-holding</p> <ul style="list-style-type: none"> • Instrument Scientist – key names from: DLS / ISIS-IMAT / NRF / EPAC / Labs. • NRF staff once in-place in Feb 2021 and Jun 2021 <p><i>"make an online training session after the publications" with "no gremlins so that staff at UCL, Southampton, Warwick and Manchester (and Swansea?) can run it on their own datasets/systems" so "need to update the documentation ... on the data we already have in the examples."</i></p>	MT
	<p>Promote new proposals on "weird" tomography. Support letters and collaborations to integrate with CIL etc and are available for:</p> <ul style="list-style-type: none"> • EPSRC Rich tomography proposal • Leverhulme equivalent grant • Small EPSRC Maths grants • New equipment grants • C-19 proposal project on extending Cryo-EM tomography 	MT
	<p>Covid-19 issue and climate for researchers</p> <ul style="list-style-type: none"> • Support experiments and enable researchers travel in the present climate • Provide normal and 360degree video equipment for experiment hatch recordings 	ALL
AOB	jiscmail lists and website content update to be discussed at a future event.	MT/EP
	<p>Next Meetings:</p> <ul style="list-style-type: none"> • Working Group event for mid December 2020 • Exec Meeting end January 2021 	MT

Minute	Action	Person Responsible	Completion date
	SEE ABOVE		

Presentation by EP, on CoSeC activity involving four members of staff (Working Group list to be updates: <http://www.ccpic.ac.uk/node/32>):

Dr Edoardo Pasca Email: edoardo.pasca@stfc.ac.uk

Dr Gemma Fardell Email: gemma.fardell@stfc.ac.uk

Dr Evangelos Papoutsellis evangelos.papoutsellis@stfc.ac.uk

Dr Evgueni Ovtchinnikov evgueni.ovtchinnikov@stfc.ac.uk

Extra items discussed:

- Fibre Bundle visualisation and other Killer Applications
- Generic limited Angle CIL code routines
- How to use Motion Correction+TV from SynerBI within Materials Science
- Large workstation and compute specifications
- STFC data management plan and link to NRF plan

Last Minute Points:

Request for online registration for <https://ai4healthschool.org/> (Deadline 31st Oct) – approved on CCPi Phase II grant.

Appendix A: Draft Items for 2020-2021

1. Software to be developed in year one

- Major CIL release in Oct (up to RoySoc paper deadline)
- Ryan to continue working on hyperspectral data
- ... and Covid19 work is ongoing.
- Continued integration and case studies on application of CIL to SynerBI data - Edo and Vaggelis@STFC will lead.
- ... in particular, Motion-compensation will continue
- Gemma support Fernando at Diamond on laminography.
- Beta testing by Llion Evans with new geometry including centering correction for cone-beam data released.
- IMAT reconstruction continuation
- EPAC, ongoing discussion
- Start discussions with all National Facility/Tim-Jay on use of CIL.

2. Network Activities

- Community Engagement: meetings from (postponed) September iBSIM, dXCT and ...
- Exchange visits proposals – review the call process.
- Software development: hackathons/ training / ...
- EPSRC Roadmap review (for 2021-2023)
- Annual training course – Turing Institute funds available