

22/08/2018 - Last call before meeting

Present:

Ed Daw	Shigeng Song	Yan Wang
Fan xilong	Stuart Reid	Yi ming Hu
Jinlong Zhnag	Siong Heng	Prof. Zhu
Nils Andersson	Tim Summer	Mariela Masso

From agenda:

1) Meeting organisation
-who is going?

Junwei Cao (Tsinghua)	Jianwei Mei (SYSU)
Ed Daw (Sheffield)	Shigeng Song (University of West of Scotland)
Xilong Fan (HUE)	Tim Sumner (Imperial)
Xiuhua Fu (CUST)	Haoyu Wang (Shanghai)
Hunter Gabbard (Glasgow)	Yan Wang (HUST)
Des Gibson (University of West of Scotland)	Jinlong Zhang (Tongji)
Martin Hendry (Glasgow)	Zebing Zhou (HUST)
Ik Siong Heng (Glasgow)	Zong Hong Zhu (BNU)

others??

-BNU local organisation update
-website <http://astrowww.bnu.edu.cn/meeting/GW-WB/>

2) Agenda
https://gilsay.physics.gla.ac.uk/dokuwiki/doku.php?id=great_network:meet:20180829beijing

- two days of GrEAT topics
- finalise speakers for each section
- one day of lectures for undergrads, postgrads, etc
- finalise UK lecturers
- external speakers candidates?

Shigeng: There will be some industry people coming from Des side.

Yan: Two more faculty members and post docs to participate in the meeting

Prof. Zhu: Everything is ready for the meeting, only problem is we reserved the hotel from 28th, some people arriving on the 27th but there's not room available in the hotel. We are trying to reserve one night in a different hotel.

Siong: arrival instructions: the website has direction to Jingshi hotel so we should have instructions to the other hotel as well. Any questions of meeting in terms of location or others?

Tim: Advice on how much currency to take.

Siong: You will need to pay the taxi driver and or train. You should take some currency because there is a chance that master/visa cards won't work. For a week I think it should be around a couple of hundred pounds.

Meals and hotel will be covered.

Siong: Taxi from the airport to the hotel is about 100 yuan, for people who have not been to Beijing normal university there will be some students organize to meet the UK participants. So let us know your arrival details so we can arrange.

Siong: next week's meeting agenda: most of the names are listed against presentations and discussions.

Ed: happy to talk on stabilization of laser and will email around.

Stuart: will give a remote presentation on skype so he can give a live presentation and alternatively there will be a recorded one.

Siong: There will be two talks, one given by Prof. Zhou on Space borne inertial sensors and Haoyu Wang will talk on experimental developments.

Tim: Activities after lunch will be on Space GW detectors, Tim is still awaiting visa.

Siong: For each WP there is a 30 mins discussion time, but we will pick up later.

Siong: question on the space section? I will give an overview on the LIGO scientific collab.

Siong: Day 2, Des and Shigeng will give talks on technology and innovation in the UK.

Des: Research, innovation and entrepreneurship, giving a wider area for the talk

Siong: Des do the guest you mentioned, do they want to day something?

Des: Possible, Patrick Chen from *Jillion* (Coating company in Shanghai) might want to give an input, a couple of slides in the activity. *Tong ji*- they have some commercial activities as well and someone from the company will be attending .

Siong: we welcome talks and could we have an email sent to the group so we can have a list of people. In addition, there is Junwei Cao in terms on computing so would be good to have talks on instrumentations. Any others that would like to give presentations that haven't been mentioned.

Siong: on WP2, Martin will be giving a talk. Ed do you want to give a talk on your outreach activities.

Ed: Happy to.

Prf Zhu: Jin MA from Beijing planetarium will like to give a talk on the planetarium.

Siong: Summery discussion: we will summarize and potentially discuss when the next meeting will be. The afternoon of the Thursday will have a set of

Jinlong: The idea is the UK speakers will also like to talk about the scientific issues so if any UK people would like to give a scientific talk, then you are welcome to joining the workshop. Otherwise there will be people from Beijing giving talks.

Siong: It would be a good idea to have a mix between UK and China. Questions? Comments?

Siong: On Friday there will be some lectures:

- 10.00: Ed Daw: Laser stabilization

- 11.00: Martin Hendry: Multi-messenger astronomy & Cosmology
- 12.00: Lunch
- 14.00: Hunter Gabbard: Machine learning for gravitational wave data analysis
- 15.00: Tim Sumner: LISA & LISA Pathfinder
- 16.00: Des Gibson/Shigeng Song/Stuart Reid: Coatings research & gravitational wave detection

The audience will be a mix of students and postdocs.

A presentation on GW detection and then talk about laser stabilization would be good.

Siong: Ed being the first speaker would be a good idea to give overall on GW detection.

Siong: Any questions and comments? Ideas on things we want to discuss, targets and goals :

From the email sent by Siong:

1) get an idea of what interests and expertise there are in the GrEAT network

2) find common interests that will focus efforts on collaborative efforts/projects

3) determine how to achieve successful collaborative projects within the GrEAT network

As an example, I would like to remind everyone about a question by Nils Andersson asked a few weeks ago:

"...is there any numerical relativity effort under way (or planned) in China (please excuse my ignorance)? Is there enthusiasm for this?"

I think it will be great if such broad questions should be raised and discussed.

Since next week's meeting is the first time many of us will meet in person, I suggest we at least try to address some of the following questions in your presentations:

a) what is the current expertise (either for yourself, your team or broadly across the China or UK community)

b) what are your interests?

c) what resources are available (researchers, lab space, equipment,...)?

Siong: It would be important for each to give an overview with sufficient detail but not too much that it will take too much time, directions research is going but is also important to highlight things you would like to do and that could benefit from collaborations with other people. Things that will enhance your research. It would also be good to know the size of your research team, and effort put into. Type of lab, specialization etc.

Ed: Chinese Universities have collaborations with other western universities and would be good to know what links already exist.

Siong: Good point it would be good to know what links exist already.

Siong: I take the silence has this is a good target for the meeting and I hope we can have some answer to the questions from the presentations. That is more or less the agenda for the telecon. Are there any other business for today's call that should be discussed?

Siong: If not, then Thank you everyone for joining and we will see you next week.