



The Union for Compact Accelerator-driven Neutron Sources: The Inaugural Workshop UCANS-I

August 15-18, 2010 · Beijing, China

Final Announcement

- Logistics, registration, lodging, Publication
- Program – Talks & Posters
- Excursion



Aug 7, 2010

Dear UCANS-I Participants:

On behalf of the Local Organizing Committee for the UCANS-I Workshop, we welcome you to Beijing with utmost enthusiasm. Here, we provide you the information concerning transportation from the airport to Tsinghua University, hotel check-in, registration, and the detailed program of the entire meeting.

I. EXCHANGE OF CHINESE CURRENCY

The best way to obtain Chinese currency is at the airport, from either the Currency Exchange Services or ATM machines.

II. AIRPORT TO TSINGHUA UNIVERSITY BY TAXI

When you arrive Beijing at the airport on Aug 15, please first meet our staff who will be holding a “UCANS-I” sign near the exit from customs. The best way to go to Tsinghua University is by Taxi. Just follow the signs to go to the taxi station two floors below (you may use a cart--free of charge to carry your luggage). Then show the address sheet (p. 2 below) which you may print out in advance or obtain a copy from our staff to the taxi driver and he/she will bring you to the hotel (Jin Chun Yuan) on Tsinghua campus. The fee is about 100 CNY (no need to tip in China). If you do not have Chinese money, our reception staff at the hotel will help you. If you arrive on a different date or do not stay at the conference hotel, we shall contact you in advance. ***Do not hesitate to call Mr. Dong XU at (+86) 13021241997 whenever you need help.***

III. REGISTRATION

The registration fee is US\$200, payable in US dollars or CNY, which will cover all the meals including the conference banquet, breaks, and local transportation. If your registration fee is to be waived or reduced, you will be contacted separately in advance. You may register in the hotel lobby on Aug 15 (~18:00) or in the meeting place on Aug 16 (~08:00 Liu Qing Building).

IV. HOTEL CHECK-IN

Your room at Jin Chun Yuan costs about US\$70 per night. Each room has its private bathroom and internet connection. Breakfasts are included. Two of our students who stay at the same hotel will be available whenever you need assistance. Their contact numbers will be given to you during check-in.

V. LOCAL TRANSPORTATION

Bus pickup: 08:10 from hotel to meeting place (Liu Qing Building, Aug 16 & 17) or to excursion (Aug 18). Bus will bring participants back to hotel each night. Transportation between meeting place and hotel at different time is available upon request.

VI. PROGRAM

All talks will be given in the Main Lecture Hall of Liu Qing Building (no parallel sessions) on Aug 16 & 17. Drinks and snacks will be served during breaks outside of the lecture hall where posters are also displayed from Aug 16 AM to Aug 17 PM. Another room, No. 121, across the lecture hall will provide internet connection, printing, manuscript handling, late registration, etc. and display hardware of accelerator components, neutron detectors, devices, controls, and shielding materials currently under construction/study for the CPHS Project. ***We encourage free spirit interactions and discussion of the posters among participants during the break and lunch time.***

VII. FREE DISCUSSION AFTER DINER

Talks and posters by themselves are insufficient to define the role of compact accelerator-driven neutron sources and the collective actions of the Union. ***Summary and discussion of the themes in terms of cooperation among the member institutions are essential to the growth and effectivity of UCANS. We urge your contributions to the evening discussions for strengthening UCANS' member tie and collaboration.***

VIII. AN EXECUTIVE MEETING ON AUG 18

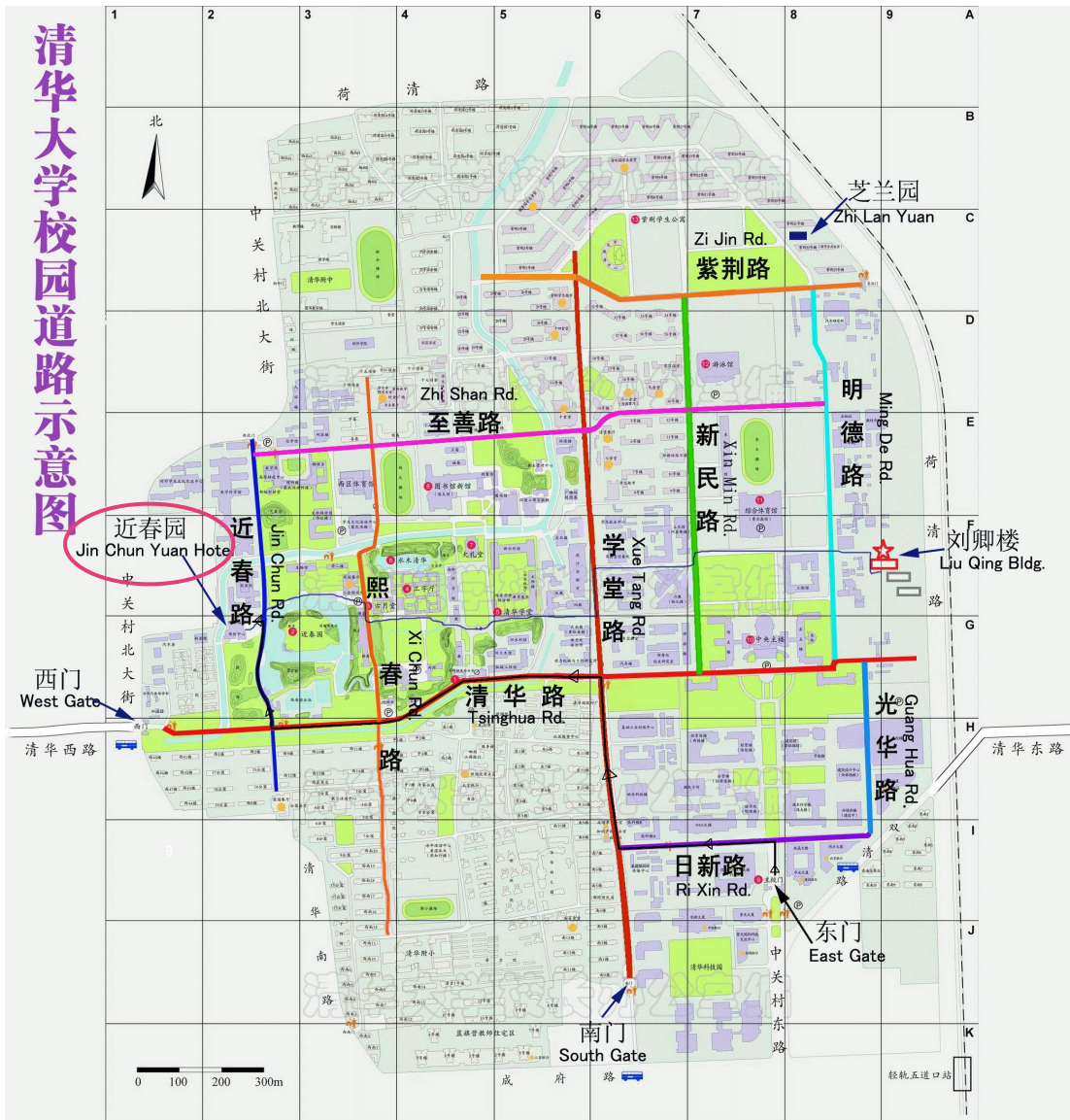
We anticipate and welcome new sister laboratories to join UCANS. ***We ask each member institution to send a representative to attend an Executive Meeting during lunch time on Aug 18 for a discussion of the Union business and the next UCANS Workshop.***

IX. PUBLICATION OF THE PROCEEDINGS

We are committed to publish the UCANS-I Proceedings in an international journal (e.g., Nuclear Instruments and Methods or equivalent). Please bring your manuscript for submission at the meeting. All the papers will be reviewed. You shall have the opportunity to submit a revised manuscript after the meeting.

首都国际机场—清华大学近春园宾馆

1. 从机场高速到北四环； 向西上四环主路，向西行驶过学院桥出到辅路，在保福寺桥右转，直行进清华大学东门；
2. 进入清华东门后按照地图上黑色路线箭头行驶至近春园宾馆。如有问题请司机致电：徐东 13021241997.



August 15 (Sunday) Jin Chun Yuan Hotel	
13:00 - 18:00	Registration
18:15 - 20:00	Reception Dinner
August 16 (Monday) Main Lecture Hall, Ground Floor, Liu Qing Building	
08:00 - 08:30	Registration
Session A Jie Wei, Chair	
08:30 - 09:00	Welcome, The President Opening Remarks, Chuanxiang TANG
09:00 - 09:30	From ICANS to UCANS Jack CARPENTER
	Group Photo & Break
Session B - Global Development • Jack Carpenter, Chair	
10:00 - 10:40	Review of Projects of Compact Neutron Sources in Japan Yoshiaki KIYANAGI
10:40 - 11:20	Unique Roles of Compact Neutron Sources: Starlets Against the Backdrop of Cosmic Light Paul SOKOL
11:20 - 12:00	The Impact on Science & Technology of University-Based, Accelerator-Driven, Compact Neutron & Proton Sources: A Case in Point for China Chun LOONG & Jie WEI
	Lunch
Session C - Scientific, Research & Instrumentation Opportunities • David Baxter, Chair	
13:00 - 13:40	Science at Compact Neutron Sources: A Room-temperature Hydrogen Storage Material Sow-Hsin CHEN
13:40 - 14:20	Spawning Neutrons, Protons, Electrons and Photons from Universities to Society Chuanxiang TANG
14:20 - 15:00	Compact Neutron Instrumentations and Optical Devices at Compact Sources Michihiro FURUSAKA
	Break
Session D - Sources & Neutronics • Hirohiko Shimizu, Chair	
15:20 - 15:50	Gallium-Cooled Target for Compact Accelerator-based Neutron Sources Jack CARPENTER
15:50 - 16:20	Preliminary Calculations for ESS-Bilbao Low Energy Target Fernando Sordo Balbin
16:20 - 16:50	Neutron Moderator Studies at the Low Energy Neutron Source David BAXTER
16:50 - 17:30	Neutronic Design of a Compact Accelerator Neutron Sources Based on ${}^7\text{Li}(p,n)$ & $\text{Be}(p,n)$ reactions for Neutron Scattering Experiments Fujio HIRAGA & Hiroyuki HASEMI
	Conference Banquet
20:00 - 22:00	Free discussion over tea or spirit

August 17 (Tuesday) Main Lecture Hall, Ground Floor, Liu Qing Building	
Session E - Networking & Applications • Chun Loong, Chair	
08:30 - 09:00	KEK's International Initiative on Compact Sources Susumu IKEDA
09:00 - 09:30	A Development Project of Boron Neutron Capture Therapy System based on a Linac Neutron Source Yoshiaki KIYANAGI
09:30 - 10:10	Neutron Radiography with Compact Accelerators at Peking University: Challenges and Solutions Zhiyu GUO, Yuanrong LU & Yubin ZOU
	Break
Session F - Detector Technology • Paul Sokol, Chair	
10:30 - 11:10	Detector Technology for Neutron Science Junji HABA, Suguru Muto, & Setsuo Satoh
11:10 - 11:40	Instrumentation and Device Development at RIKEN Katsuya Hirota
11:40 - 12:10	Development of Neutron Detector with GEM Shoji UNO
	Lunch
Session G - Facility & Project Reports • Michihiro Furusaka, Chair	
13:30 - 14:00	The Status and Future Plan of the PEFP Kye-Ryung KIM
14:00 - 14:30	Accelerator-based Neutron Sources at The Research Reactor Institute of Kyoto University Yoshiharu MORI
14:30 - 15:00	Kyoto Neutron Source Yoshiihisa Iwashita
15:30 - 16:00	A Plan for Neutron Radiography Facility based on Compact Proton Accelerator at RIKEN Yutaka YAMAGATA
Session H - Posters • Qingzi Xing, Chair	
16:00 - 18:30	POSTERS (Meeting Adjourned)
	Dinner
20:00 - 22:00	Free discussion over tea or spirit

August 18 (Wednesday) Excursion Day

07:00 - 08:00	Breakfast at hotel - Jin Chun Yuan
08:10	Embark bus at the hotel entrance
08:10 - 09:30	Bus trip from Tsinghua, to Miyun County
09:30 - 11:30	Touring NUCTECH Co.
11:40 - 13:00	Lunch/UCANS Executive Meeting at NUCTECH
13:10	Bus trip from Miyun County to Huairou County
14:00 - 18:00	Touring Mutianyu Great Wall
18:30 - 20:00	Dinner
20:10	Bus trip returning Tsinghua

http://www.kinabaloo.com/mutianyu_great_wall.html

Mutianyu Great Wall

Huai Rou

Mi Yun

Chāng Ping

Shùn Yì

Beijing International Airport

Tsinghua University

5th Ring Road

6th Ring Road

4th Ring Road

Yì Zhuāng

Fáng Shān

Dà Xīng

http://www.nuctech.com/index_en.jsp

August 19 (Thursday) Departure

Posters Session

I. Instruction:

1. All the posters will be displayed in the hallway outside the lecture hall which is spacious enough to entertain discussion while drinks and snack are within arm's reach.
2. Each poster board cover an area of approximately 1m (width) X 1.4m (height). It would be desirable to make the poster size of 840mm X 1120mm. Pins/fixture materials will be provided.
3. Please set up your posters before the meeting begins on Aug 16 and dismount them after the Poster Session on Aug 17.
4. Poster board positions are allotted according to pre-assigned poster numbers.

II. We SHALL ACCEPT additional posters after pre-registration. Please contact the Session Chair.

III. The poster presenters whose name appear in the oral sessions (p.3-4) will have the opportunity to present a 3-slide, ~7-minute preview in the oral session as a co-author (see Program p.2-3). ***Please take advantage of this provision which may prove to be an effective way to arouse interests of the audience prior to the poster session.*** We leave the detailed arrangement of inserting the oral preview of posters into a talk in the hands of the poster presenter and the main author of the corresponding talk.

IV. A poster author are expected to submit his/her own manuscript for publication.

Poster Listing as of Aug 6, 2010

No.	First Author	Titles
1	Hiroyuki HASEMI	Neutron studies on a pulsed thermal neutron source based on the Be(p,n) reaction by using a compact proton accelerator
2	Suguru MUTO	Application of neutron detection systems to compact neutron sources
3	Setsuo SATOH	Development of neutron detector system
4	Kenji UENO	Development of T0 choppers
5	Kenji UENO	Development of Fermi choppers
6	Yuanrong LU	Design of accelerator facility of PKUNIFTY
7	Yubin ZOU	Design of moderator assembly of PKUNIFTY
8	Tiger CAO	Micelles
9	Zhe FENG	Design of the CPHS ion source and LEPT at Tsinghua University
10	Shu-xin ZHENG	Design of the DTL for CPHS
11	Qingzi XING	Design of the CPHS RFQ Linac at Tsinghua University
12	Guohua LI	Design of the HEBT for CPHS
13	Qiang DU	Design and development of CPHS control and event distribution system
14	Bing ZHONG	The design and optimization study of the CPHS target system
15	Qixi FENG	The design of the CPHS solid methane moderator system
16	Tuchen HUANG	A small-angle neutron diffractometer at the Compact Pulsed Hadron Source
17	Zhifeng HUANG	The imaging/radiography station of CPHS
18	Tuchen HUANG	³ He LPSD prototype for CPHS
19	Dongfeng CHEN	First phase neutron scattering instrumentation at the China Advanced Research Reactor
20	Changgeng ZHOU	A compact Accelerator-driven Neutron Sources and it's applications
21	Yang WU	The characteristic research for fast neutron radiography scintillators