

The 2nd Asian Triangle Heavy-Ion Conference

ATHIC 2008 Tsukuba

13-15, October, 2008, Tsukuba, Japan



The 2nd Asian Triangle Heavy Ion Conference



ATHIC 2008 TSUKUBA

<http://www.utkhii.px.tsukuba.ac.jp/athic2008>

October 13 – 15, 2008
Center for Computational Sciences
University of Tsukuba
Tsukuba, Japan

Co-Hosted by:
CCS, Univ. Tsukuba
RIKEN Nishina Center
CNS, Univ. Tokyo

Topics: Heavy Ion Collisions and related Physics
High Temperature and High Density QCD, Quark Gluon Plasma, RHIC, LHC

International Advisory Committee:
Weiqin Chao, CCAST, China
Hideto En'yo, Riken, Japan
Byungsik Hong, Korea Univ., Korea
Huan Z. Huang, UCLA, USA
Sangyong Jeon, McGill Univ., Canada
Ju Hwan Kang, Yonsei Univ., Korea
Chang-Hwan Lee, Pusan Nat. Univ, Korea
Kang Seog Lee, Chonnam Nat. Univ, Korea
Su Houng Lee, Yonsei Univ., Korea
Yu-Gang Ma, SIAP, China
Mannque Rho, CEA Saclay, France
Naohito Saito, KEK, Japan
Sang Jin Sin, Hanyang Univ., Korea
Enke Wang, CCNU, China
Qun Wang, USTC, China
Xin-Nian Wang, LBNL, USA
Nu Xu, LBNL, USA
In-Kwon Yoo, Pusan Nat. Univ., Korea
Pengfei Zhuang, Tsinghua Univ., China

Local Organizing Committee:
Yasuo Mlake, Univ. Tsukuba (Chair)
Yasuyuki Akiba, Riken
Masayuki Asakawa, Osaka Univ.
Tatsuya Chujo, Univ. Tsukuba
Shin'ichi Esumi, Univ. Tsukuba
Hirotugu Fujii, Univ. Tokyo
Taku Gunji, CNS, Univ. Tokyo
Hideki Hamagaki, CNS, Univ. Tokyo
Tetsuo Hatsuda, Univ. Tokyo
Tetsufumi Hirano, Univ. Tokyo
Motoi Inaba, Tsukuba Univ. Tech.
Kazuyuki Kanaya, Univ. Tsukuba
Tetsuo Matsui, Univ. Tokyo
Chiho Nonaka, Nagoya Univ.
Akira Ohnishi, Kyoto Univ.
Kyoichiro Ozawa, Univ. Tokyo
Kenta Shigaki, Hiroshima Univ.
Toru Sgigate, Hiroshima Univ.



筑波大学
筑波大学 計算科学研究センター
理化学研究所 高能加速器科学研究センター
東京大学 量子科学技術研究センター

Contents

Final announcement	3-5
Registrations & Accommodations	
An important notice for participants staying at “Shihou Kaikan”	
Registration desk information, Local contacts	
Conference Site, Hotel information	
Japanese VISA	
Social Events	6
Reception	
IAC and LOC meeting	
Student meeting	
Banquet	
Lists	7-11
International Advisory Committee	
Local Organizing Committee	
Participants	
Scientific Program	12-16
Table, List	
Transportation information	17-25
From Narita Int. Airport to Tsukuba Bus Center	
From JR Tokyo station to Tsukuba Bus Center	
From Tsukuba Bus Center to Reception, Hotels and Conference Site	
Narita-Tsukuba, Tsukuba City Bus Information	
Translation cards for taxi driver	
Tsukuba City Local Maps	26-30
Memo	30 -

Final announcement

Dear Colleagues

This is the final announcement of **the 2nd Asian Triangle Heavy-Ion Conference (ATHIC)**, to be held in **October 13-15, 2008**, at the Center for Computational Sciences, University of Tsukuba, **Tsukuba, Japan**.

The 2nd conference of ATHIC (ATHIC 2008) continues the tradition of the previous conference held in Seoul, namely, bringing together the heavy-ion physicists mainly from China, Korea and Japan, and to discuss the various interesting aspects of heavy-ion collisions. As many physicists from Asian countries are actively working on both experimental and theoretical sides in this field, we hope to have fruitful discussions among the participants, and develop new ideas towards the further understanding of hot and dense QCD matter. The ATHIC 2008 conference will also provide a good opportunity to summarize what we have learned at RHIC so far, and what we expect to see at LHC, which is just about to accelerate the first proton beams at CERN. ATHIC 2008 will focus the following topics ;

- Jet propagation and medium response in QGP,
- Properties of strongly coupled QGP,
- Exploring QCD phase diagram,
- Nuclear astrophysics (compact stars, black holes),
- Future projects (RHIC-II, LHC, J-PARC, etc.).

The conference consists of mostly invited talks and a few selected contributed papers. The tentative scientific programs as well as the other useful conference information such as registrations, accommodations, transportations, and Japanese VISA are also available at the web site. <http://utkhii.px.tsukuba.ac.jp/ATHIC2008/> The scientific program is now available at <http://utkhii.px.tsukuba.ac.jp/ATHIC2008/Program.html>

Registrations & Accommodations

The hotel reservations are now closed. Please make sure whether your registration and hotel reservation are correctly given and assigned through the following ATHIC 2008 registration page. In case of any change in your travel schedule, please contact the local organizers as soon as possible. However the conference registration is still available until Oct. 13, 2008. <http://utkhii.px.tsukuba.ac.jp/ATHIC2008/Registrations.html>

The registration fee is 15,000 JPY (about \$136 USD; \$1 USD ~ 110 JPY) for staff, 10,000 JPY for students, including the banquet fee (8,000 JPY). The banquet fee for additional accompanying person is waived.

(1) **Payment should be done at the registration desk** upon your arrival at Tsukuba. Some financial supports for local expenses are available for a limited number of participants.

(2) Although the local organizers have done the hotel reservation, **please pay the hotel fee at your hotel check-in/-out counter yourself** except for participants staying at “Shihou Kaikan”.

(3) **Entrance to the following 3 hotels:** (“Tsukuba Kenshu Center”, “Shihou Kaikan” and “Daigaku Kaikan”) **will be closed at mid-night (0 am)**, therefore please be sure you arrive and/or come back to the 3 hotels before the mid-night. The “Hotel Okura Epochal” is open for 24 hours.

(4) **There will be a free shuttle service (13th, 14th and 15th/Oct at 8:30am once in every morning) from the “Hotel Okura Epochal” to the conference site.** All the other participants staying in other 3 hotels: (“Tsukuba Kenshu Center”, “Shihou Kaikan” and “Daigaku Kaikan”) (as well as the one who have missed the shuttle at 8:30am from “Hotel Okura Epochal”) will need to follow the instructions provided in the following transportation section to come to the conference site.

An important notice for participants staying at “Shihou Kaikan”

If you will be staying at “Shihou Kaikan”, please pay the hotel fee at the registration desk and ask for the room key.

Registration desk information

The registration desk will be opened during the reception party on 12/Oct/2008(Sun) 18:00-20:00 at “Hotel Okura Honkan (Main building)” 11th floor (top floor) at bar-lounge “Continental”. The registration desk will also be opened from Monday morning of 13/Oct/2008 8:00 throughout the conference in front of the conference room at the Center for Computational Sciences, University of Tsukuba.

Local Contacts

Yasuo Miake : ymiake_at_sakura.cc.tsukuba.ac.jp (+81-29-853-4254)

ShinIchi Esumi : esumi_at_sakura.cc.tsukuba.ac.jp (+81-29-853-4249)

Tatsuya Chujo : chujo_at_sakura.cc.tsukuba.ac.jp (+81-29-853-4221)

Inst. of Physics, Univ. of Tsukuba

Tenno-dai 1-1-1, Tsukuba, Ibaraki 305-8577, Japan

Tel/Fax: +81-29-853-6121 (Lab)

In case of emergency, you can call Yasuo Miake at (090-9340-1492) or ShinIchi Esumi at (090-6517-9737) or Tatsuya Chujo at (090-9157-2252).

Conference Site

“Center for Computational Sciences”, Univ. of Tsukuba
Tenno-dai 1-1-1, Tsukuba, Ibaraki 305-8577, Japan
Tel: 029-853-6487
<http://www.ccs.tsukuba.ac.jp/>

Hotel information

(1) “Hotel Okura Epochal”

Takezono 2-20-1, Tsukuba, Ibaraki 305-0032, Japan
Tel: 029-860-7700

(2) “Tsukuba Kenshu Center”

Amakubo 1-13-5, Tsukuba, Ibaraki 305-0005, Japan
Tel: 029-851-5152

(3) “Shihou Kaikan” (Guest house at Tsukuba Univ. of Technology)

Amakubo 4-3-15, Tsukuba, Ibaraki 305-8520, Japan
Tel: 029-852-2931

(4) “Daigaku Kaikan” (Guest house of Univ. of Tsukuba)

Tenno-dai 1-1-1, Tsukuba, Ibaraki 305-8577, Japan
Tel: 029-853-2111

Japanese VISA

For those who need a visa to enter Japan, please contact Yasuo MIAKE (ymiake_at_sakura.cc.tsukuba.ac.jp) directly. We know that those of you carrying Chinese passport are required to obtain Japanese Visa. Please follow the instructions described below.

<http://utkhii.px.tsukuba.ac.jp/ATHIC2008/Visa.html>

We hope to see all of you in Tsukuba

Sincerely yours,
Yasuo MIAKE, Chair
On behalf of the local
organizing committee.

Social Events (reception, banquet, etc)

Reception (Welcome Party; night before the 1st day)

Reception will be held on the **12th/Oct/2008 Sunday 18:00-20:00** at “Hotel Okura Honkan (Main building)” 11th floor (top floor) at bar-lounge “Continental”. Light meal and drinks are served. Registration desk will be opened there, too. Please note that this is a building close to the Tsukuba Bus Center and is different from the “Hotel Okura Epochal” where some of you are staying. Please note the place on the enclosed map.

IAC and LOC meeting (night of the 1st day)

International Advisory committee and Local Organizing Committee joint meeting will be held on the **13th/Oct/2008 Monday 19:00-21:00** at traditional Japanese restaurant “Kamotei” close to the Tsukuba mountain, there will be a special shuttle bus going to the place. There will be some discussions on past, this and future ATHIC meetings.

Student meeting (night of the 1st day)

A social and/or scientific special meeting for students will be held on the **13th/Oct/2008 Monday 19:00-21:00**. Maya Shimomura (Univ. of Tsukuba) and Naoto Tanji (Univ. of Tokyo) will organize the meeting. The place and program will be announced later. Light meal and drinks are served.

Banquet (Conference Dinner; night of the 2nd day)

Banquet will be held on the **14th/Oct/2008 Tuesday 19:00-21:00** at “Okura Frontier Hotel Annex 1st floor (next to the Main building)” at the big party room “Subaru”. Conference dinner and drinks are served. There will be some entertainments, too. Please note that this is a building close to the Tsukuba Bus Center and is different from the “Hotel Okura Epochal” where some of you are staying. Please note the place on the enclosed map.

Excursion

Several optional excursions were planned during 12th/Oct/2008(Sun) as mentioned in the 2nd announcement of this conference, however they are all canceled because we did not receive enough requests, sorry about that. If you still like to go and look around, we could provide some information for you, please contact the local organizers.

International Advisory Committee

•Weiqin Chao,	CCAST, China
•Hideto En'yo,	Riken, Japan
•Byungsik Hong,	Korea Univ., Korea
•Huan Z. Huang,	UCLA, USA
•Sangyong Jeon,	McGill Univ., Canada
•Ju Hwan Kang,	Yonsei Univ., Korea
•Chang-Hwan Lee,	Pusan Nat. Univ., Korea
•Kang Seog Lee,	Chonnam Nat. Univ., Korea
•Su Houng Lee,	Yonsei Univ., Korea
•Yu-Gang Ma,	SIAP, China
•Mannque Rho,	CEA Saclay, France
•Naohito Saito,	KEK, Japan
•Sang Jin Sin,	Hanyang Univ., Korea
•Enke Wang,	CCNU, China
•Qun Wang,	USTC, China
•Xin-Nian Wang,	LBNL, USA
•Nu Xu,	LBNL, USA
•In-Kwon Yoo,	Pusan Nat. Univ., Korea
•Pengfei Zhuang,	Tsinghua Univ., China

Local Organizing Committee

•Yasuyuki Akiba,	Riken
•Masayuki Asakawa,	Osaka Univ.
•Tatsuya Chujo,	Univ. of Tsukuba
•Shin'Ichi Esumi,	Univ. of Tsukuba
•Hirotsugu Fujii,	Univ. of Tokyo
•Taku, Gunji,	CNS, Univ. of Tokyo
•Hideki Hamagaki,	CNS, Univ. of Tokyo
•Tetsuo Hatsuda,	Univ. of Tokyo
•Tetsufumi Hirano,	Univ. of Tokyo
•Motoi Inaba,	Tsukuba Univ. of Tech.
•Kazuyuki Kanaya,	Univ. of Tsukuba
•Tetsuo Matsui,	Univ. of Tokyo
•Yasuo Miake,	Univ. of Tsukuba
•Chiho Nonaka,	Nagoya Univ.
•Akira Ohnishi,	Kyoto Univ.
•Kyoichiro Ozawa,	Univ. of Tokyo
•Kenta Shigaki,	Hiroshima Univ.
•Toru Sugitate,	Hiroshima Univ.

List of participants

Yukinao	Akamatsu	akamatsu@nt.phys.s.u-tokyo.ac.jp	University of Tokyo
Yasuyuki	Akiba	akiba@bnl.gov	RIKEN
Masayuki	Asakawa	yuki@phys.sci.osaka-u.ac.jp	Osaka University
Xiang-Zhou	Cai	caixz@sinap.ac.cn	Shanghai Institute of Applied Physics, CAS
Beomsu	Chang	bschang@phya.yonsei.ac.kr	Yonsei University
Jin-Hui	Chen	jhchen@physics.ucla.edu	Shanghai Institute of Applied Physics, CAS
Jiunn-wei	Chen	jwc@phys.ntu.edu.tw	National Taiwan University
Kyung Eon	Choi	choiku2002@pusan.ac.kr	Pusan National University
Jung Ok	Choi	ahaphysics@naver.com	Chonnam National University
Suk	Choi	choi3over4@korea.com	Chonnam National University
Tatsuya	Chujo	chujo@sakura.cc.tsukuba.ac.jp	University of Tsukuba
Fumihito	Chuman	chuman@hepl.hiroshima-u.ac.jp	Hiroshima University
ShinIchi	Esumi	esumi@sakura.cc.tsukuba.ac.jp	University of Tsukuba
De-Qing	Fang	dqfang@sinap.ac.cn	Shanghai Institute of Applied Physics, CAS
Jinghua	Fu	fujh@iopp.ccnu.edu.cn	Institute of Particle Physics
Hirotsugu	Fujii	hfujii@phys.c.u-tokyo.ac.jp	University of Tokyo
Kenji	Fukushima	fuku@yukawa.kyoto-u.ac.jp	Yukawa Institute for Theoretical Physics
Taku	Gunji	gunji@cns.s.u-tokyo.ac.jp	University of Tokyo
Sourendu	Gupta	sgupta@tifr.res.in	Tata Institute, India
Eitarou	Hamada	s0820267@ipe.tsukuba.ac.jp	University of Tsukuba
Hideki	Hamagaki	hamagaki@cns.s.u-tokyo.ac.jp	University of Tokyo
Tetsuo	Hatsuda	hatsuda@phys.s.u-tokyo.ac.jp	University of Tokyo
Yoshitaka	Hatta	hatta@het.ph.tsukuba.ac.jp	University of Tsukuba
Lianyi	He	hely04@mails.thu.edu.cn	Tsinghua University
Ayako	Hiei	hie@hepl.hiroshima-u.ac.jp	Hiroshima University
Tetsufumi	Hirano	hirano@nt.phys.s.u-tokyo.ac.jp	University of Tokyo
Kensuke	Homma	homma@hepl.hiroshima-u.ac.jp	Hiroshima University
Byungsik	Hong	hong@nppa.korea.ac.kr	Korea University
Yoshimasa	Ikeda	s0730318@ipe.tsukuba.ac.jp	University of Tsukuba
Motoi	Inaba	inaba@a.tsukuba-tech.ac.jp	Tsukuba University of Technology
Takashi	Iwasaki	iwasaki@hepl.hiroshima-u.ac.jp	Hiroshima University
Sangyon	Jeon	jeon@physics.mcgill.ca	McGill University
Midori	Kajigaya	s0820242@ipe.tsukuba.ac.jp	University of Tsukuba
Kazuyuki	Kanaya	kanaya@ccs.tsukuba.ac.jp	University of Tsukuba
Ju Hwan	Kang	jhkang@phya.yonsei.ac.kr	Yonsei University
Youngman	Kim	chunboo81@kias.re.kr	Korea Institute for Advanced Study
Mizuki	Kimura	mkimura@sakura.cc.tsukuba.ac.jp	University of Tsukuba
Masakiyo	Kitazawa	kitazawa@phys.sci.osaka-u.ac.jp	Osaka University
Youngil	Kwon	ykwon@phya.yonsei.ac.kr	Yonsei University
Chang-Hwan	Lee	clee@pusan.ac.kr	Pusan National University
Kang Seog	Lee	kslee@jnu.ac.kr	Chonnam National University

List of participants

Su Houng	Lee	suhoung@gmail.com	Yonsei University
Fuming	Liu	liufm@iopp.ccnu.edu.cn	Institute of particle physics, Central China Normal University
Yan	Lu	luyan@ustc.edu.cn	University of Science and Technology of China
Guo-Liang	Ma	glma@sinap.ac.cn	Shanghai Institute of Applied Physics, CAS
Yu-Gang	Ma	ygma@sinap.ac.cn	Shanghai Institute of Applied Physics, CAS
Shijun	Mao	maosj08@mails.tsinghua.edu.cn	Tsinghua University
Hiroshi	Masui	masui@bnl.gov	LBNL
Tetsuo	Matsui	tmatsui@hep1.c.u-tokyo.ac.jp	University of Tokyo
Yasuo	Miake	ymiake@sakura.cc.tsukuba.ac.jp	University of Tsukuba
Kentaro	Miki	kentaro@rcf2.rhic.bnl.gov	University of Tsukuba
Akihiko	Monnai	monnai@nt.phys.s.u-tokyo.ac.jp	University of Tokyo
Shoji	Nagamiya	shoji.nagamiya@kek.jp	KEK, J-PARC
Yasushi	Nara	ynara@th.physik.uni-frankfurt.de	Akita International University
Akihiko	Nishiyama	anishiyama@hep1.c.u-tokyo.ac.jp	University of Tokyo
Chiho	Nonaka	nonaka@hken.phys.nagoya-u.ac.jp	Nagoya University
Misaki	Ouchida	ouchida@hepl.hiroshima-u.ac.jp	Hiroshima University
Kyouichiro	Ozawa	ozawa@phys.s.u-tokyo.ac.jp	University of Tokyo
Alexander	Rothkopf	rothkopf@nt.phys.s.u-tokyo.ac.jp	University of Tokyo
Shingo	Sakai	shingo@physics.ucla.edu	UCLA
Masato	Sano	msano@sakura.cc.tsukuba.ac.jp	University of Tsukuba
Takashi	Sano	tsano@nt1.c.u-tokyo.ac.jp	University of Tokyo
Kenta	Shigaki	shigaki@hiroshima-u.ac.jp	Hiroshima University
Maya	Shimomura	maya@sakura.cc.tsukuba.ac.jp	University of Tsukuba
Sang-Jin	Sin	sjsin@hanyang.ac.kr	Hanyang University
Raimond	Snellings	Raimond.Snellings@nikhef.nl	NiKHEF
Chang Wook	Son	scwook@pusan.ac.kr	Pusan National University
Huichao	Song	song@mps.ohio-state.edu	Ohio State University
Toru	Sugitate	sugitate@hiroshima-u.ac.jp	Hiroshima University
Motoi	Tachibana	motoi@cc.saga-u.ac.jp	Department of Science and Engineering, Saga University
Rei	Tanabe	rtanabe@rcf.rhic.bnl.gov	University of Tsukuba
Aihong	Tang	aihong@bnl.gov	BNL
Naoto	Tanji	tanji@nt1.c.u-tokyo.ac.jp	University of Tokyo
Takato	Todoroki	todoroki@sakura.cc.tsukuba.ac.jp	University of Tsukuba
Hisayuki	Torii	htorii@hiroshima-u.ac.jp	Hiroshima University
Yuusuke	Ueki	rokusyou.ueki@gmail.com	Hiroshima University
Takashi	Umeda	tumeda@het.ph.tsukuba.ac.jp	University of Tsukuba
Enke	Wang	wangek@iopp.ccnu.edu.cn	Institute of Particle Physics, Huazhong Normal University
Qun	Wang	qunwang@ustc.edu.cn	University of Science and Technology of China
Xin Nian	Wang	xnwang@lbl.gov	LBNL
Yuanfang	Wu	wuyf@iopp.ccnu.edu.cn	Huazhong Normal University

List of participants

Nu	Xu	NXu@lbl.gov	LBNL
Yorito	Yamaguchi	yorito@cns.s.u-tokyo.ac.jp	University of Tokyo
Hiroki	Yokoyama	hyoko@sakura.cc.tsukuba.ac.jp	University of Tsukuba
In-Kwon	Yoo	yoo@pusan.ac.kr	Pusan National University
Hanzhong	Zhang	zhanghz@iopp.ccnu.edu.cn	Institute of particle physics, Huazhong Normal University
Yifei	Zhang	yfzhang@lbl.gov	University of Science and Technology of China
Pengfei	Zhuang	zhuangpf@mail.tsinghua.edu.cn	Tsinghua University

Scientific Program

ATHIC 2008 Tsukuba ---- Scientific Program ----

13/Oct/2008 (Mon)	14/Oct/2008 (Tue)		15/Oct/2008 (Wed)
[1A] 9:00-10:25	[2A] 9:00-10:30		[3A] 9:00-10:30
chair:	chair:		chair:
Yasuo Miake (5) Welcome and opening remark	Su Hong Lee (50) Theoretical overview		Xin-Nian Wang (50) QGP and Jets
Yasuyuki Akiba (50) Overview of experimental results from RHIC	Shinichi Esumi (40) Collective expansion of QGP		Nu Xu (40) Jets in STAR
Tetsufumi Hirano (30) Hydrodynamic modeling of heavy ion collisions			
coffee break (35min)	coffee break (30min)		coffee break (30min)
[1B] 11:00-12:40	[2B1] 11:00-12:40	[2B2] 11:00-12:40	[3B] 11:00-12:40
chair:	chair:	chair:	chair:
Aihong Tang (30) STAR Flow Review	Masakiyo Kitazawa (40) "sQM" - strongly couple Quark Matter -	Sangyong Jeon (40) Jet quenching and photon production in QGP	Qun Wang (30) Fluctuation effects in relativistic BCS-BEC crossover
Huichao Song (30) Viscous hydrodynamics for relativistic heavy ion collisions	Kenji Fukushima (30) QCD Critical Point	Hanzhong Zhang (30) Surface vs volume emission in photon-hadron correlation	Kensuke Homma (30) Fluctuation and HBT results
Youngil Kwon, T.Sugitate, K.Shigaki, H.Hamagaki, S.Esumi (40) Towards LHC-ALICE collaboration (panel discussion)	Sourendu Gupta (30) The Critical point of QCD	Fu-Ming Liu (30) Centrality-dependent p_T spectrum of direct photon	Hiroshi Masui (20) v_2 & hydro
Photograph of the conference (outside)			Shingo Sakai (20) Charm/bottom measurements at RHIC
lunch break (1hr20min)	lunch break (1hr20min)		lunch break (1hr20min)
[1C] 14:00-15:30	[2C1] 14:00-15:30	[2C2] 14:00-15:20	[3C] 14:00-15:40
chair:	chair:	chair:	chair:
Yoshitaka Hatta (40) High energy collisions in AdS	Kang-Seog Lee (30) Hadronization of a quark-gluon plasma via recombination	In-Kwon Yoo (20) Star Asian computing center	Shoji Nagamiya (30) J-parc Overview
Youngman Kim (20) Heavy quarks in AdS/QCD	Jin-Hui Chen (20) Measurement of phi-meson production at RHIC	Yan Lu (20) Star TOF upgrade	Kyoichiro Ozawa (20) Dense Matter at J-parc
Sang-Jin Sin (30) Hadrons and QGP in Dense medium, a holographic view	Yuanfang Wu (20) On the measures of anisotropy in relativistic heavy ion collisions	Yifei Zhang (20) Star Heavy Flavor Tracker	Byungsik Hong (20) Compressed Baryonic Matter : Highlight & Prospects
	Yasushi Nara (20) Initial conditions at RHIC	Guo-Liang Ma (20) Di- and Tri- hadron correlation in partonic transport model	Raimond Snellings (30) Anisotropic flow: from RHIC to the LHC
coffee break (30min)	coffee break (30-40min)		coffee break (20min)
[1D] 16:00-18:00	[2D1] 16:00-17:40	[2D2] 16:00-18:00	[3D] 16:00-17:45
chair:	chair:	chair:	chair:
Taku Gunji (40) Heavy Quark and Quarkonia Production at RHIC	Shijun Mao (20) BCS-BEC crossover in asymmetric nuclear matter	Yorito Yamaguchi (20) Direct photon at PHENIX	Kazuyuki Kanaya (30) Lattice studies of QCD at finite temperature and finite density
Pengfei Zhuang (30) Charmonium transport in high energy heavy ion collisions	Naoto Tanji (20) Particle production by Swinger mechanism	Beomsu Chang (20) Combinatorial pair background in the e^+e^- mass spectra in p+p collisions at $\sqrt{s}=14$ TeV	Enke Wang (30) Modification of heavy quark fragmentation function in QGP
Hirotsugu Fujii (30) Open charm / charmonium	Lianyi He (20) Relativistic BCS-BEC crossover at quark level	Misaki Ouchida (20) Low mass vector meson measurements at RHIC	Jiunn-Wei Chen (20) Phase Transitions and the Perfectness of Fluids
Takashi Umeda (20) QCD Thermodynamics at fixed lattice scale	Yukinao Akamatsu (20) Heavy Quark Diffusion with Relativistic Langevin Dynamics in the Quark-Gluon Fluid	Maya Shimomura (20) Systematic study of elliptic flow at RHIC	Chang-Hwan Lee (20) Cosmological Heavy Ion Collisions
	Alexander Rothkopf (20) Heavy Quark Potential from the Spectral Decomposition of the Thermal Wilson Loop	Kyung Eon Choi (20) Gamma-conversion tomography of STAR detector system with silicon detector and future	TBA (5) Next ATHIC in 2010?
		Chang Wook Son (20) A Simple Method and Test of Single Photoelectron and Uniformity Measurement for Multi-Anode PMT	
IAC/LOC meeting, Student meeting (Naoto Tanji, Maya Shimomura), (19:00-21:00)	Banquet (19:00-21:00)		

Reception 12/Oct/2008 (Sun) 18:00-20:00

ATHIC 2008 Tsukuba ---- Scientific Program ----

Scientific Program 13/Oct/2008 (Mon) --- 1st day ---

Session [1A] 9:00-10:25 Chair :

- * Yasuo Miake (Univ. of Tsukuba) [5] “Welcome and opening remark”
- * Yasuyuki Akiba (RIKEN) [50] “Overview of experimental results from RHIC”
- * Tetsufumi Hirano (Univ. of Tokyo) [30] “Hydrodynamic modeling of heavy ion collisions”

Coffee break (35min)

Session [1B] 11:00-12:40 Chair :

- * Aihong Tang (BNL) [30] “STAR Flow Review”
- * Huichao Song (Ohio State Univ.) [30] “Viscous hydrodynamics for relativistic heavy ion collisions”
- * Youngil Kwon (Yonsei Univ.), Toru Sugitate, Kenta Shigaki (Hiroshima Univ.),
Hideki Hamagaki (Univ. of Tokyo), ShinIchi Esumi (Univ. of Tsukuba) [40]
“Towards LHC-ALICE collaboration (panel discussion)”

Photograph of the conference (in front of the building)

Lunch Break (1h20min)

Session [1C] 14:00-15:30 Chair :

- * Yoshitaka Hatta (Univ. of Tsukuba) [40] “High energy collisions in AdS”
- * Youngman Kim (Korea Institute for Advanced Study) [20] “Heavy quarks in AdS/QCD”
- * Sang-Jin Sin (Hanyang Univ.) [30] “Hadrons and QGP in Dense medium, a holographic view”

Coffee break (30min)

Session [1D] 16:00-18:00 Chair :

- * Taku Gunji (Univ. of Tokyo) [40] “Heavy Quark and Quarkonia Production at RHIC”
- * Pengfei Zhuang (Tsinghua Univ.) [30] “Charmonium transport in high energy heavy ion collisions”
- * Hirotugu Fujii (Univ. of Tokyo) [30] “Open charm / charmonium”
- * Takashi Umeda (Univ. of Tsukuba) [20] “QCD Thermodynamics at fixed lattice scale”

IAC/LOC meeting, Student meeting (Naoto Tanji, Maya Shimomura) 19:00-21:00

Scientific Program 14/Oct/2008 (Tue) --- 2nd day ---

Session [2A] 9:00-10:30 Chair :

- * Su Hong Lee (Yonsei Univ.) [50] “Theoretical overview”
- * ShinIchi Esumi (Univ. of Tsukuba) [40] “Collective expansion of QGP”

Coffee break (30min)

Parallel Session [2B1] 11:00-12:40 Chair :

- * Masakiyo Kitazawa (Osaka Univ.) [40] “sQM - strongly couple Quark Matter -”
- * Kenji Fukushima (Yukawa Institute for Theoretical Physics) [30] “QCD Critical Point”
- * Sourendu Gupta (Tata Institute, India) [30] “The Critical point of QCD”

Parallel Session [2B2] 11:00-12:40 Chair :

- * Sangyong Jeon (McGill Univ.) [40] “Jet quenching and photon production in QGP”
- * Hanzhong Zhang (Huazhong Normal Univ.) [30]
“Surface vs volume emission in photon-hadron correlation”
- * Fu-Ming Liu (Central China Normal Univ.) [30] “Centrality-dependent p_T spectrum of direct photon”

Lunch Break (1h20min)

Parallel Session [2C1] 14:00-15:30 Chair :

- * Kang-Seog Lee (Chonnam National Univ.) [30]
“Hadronization of a quark-gluon plasma via recombination”
- * Jin-Hui Chen (Shanghai Institute of Applied Physics, CAS) [20]
“Measurement of phi-meson production at RHIC”
- * Yuanfang Wu (Huazhong Normal Univ.) [20]
“On the measures of anisotropy in relativistic heavy ion collisions”
- * Yasushi Nara (Akita International Univ.) [20] “Initial conditions at RHIC”

Parallel Session [2C2] 14:00-15:20 Chair :

- * In-Kwon Yoo (Pusan National Univ.) [20] “Star Asian computing center”
- * Yan Lu (Univ. of Science and Technology of China) [20] “Star TOF upgrade”
- * Yifei Zhang (Univ. of Science and Technology of China) [20] “Star Heavy Flavor Tracker”
- * Guo-Liang Ma (Shanghai Institute of Applied Physics, CAS) [20]
“Di- and Tri- hadron correlation in partonic transport model”

Coffee break (30-40min)

Scientific Program 14/Oct/2008 (Tue) --- 2nd day continued ---

Parallel Student Session [2D1] 16:00-17:40 Chair :

- * Shijun Mao (Tsinghua Univ.) [20] “BCS-BEC crossover in asymmetric nuclear matter”
- * Naoto Tanji (Univ. of Tokyo) [20] “Particle production by Swinger mechanism”
- * Lianyi He (Tsinghua Univ.) [20] “Relativistic BCS-BEC crossover at quark level”
- * Yukinao Akamatsu (Univ. of Tokyo) [20]
“Heavy Quark Diffusion with Relativistic Langevin Dynamics in the Quark-Gluon Fluid”
- * Alexander Rothkopf (Univ. of Tokyo) [20]
“Heavy Quark Potential from the Spectral Decomposition of the Thermal Wilson Loop”

Parallel Student Session [2D2] 16:00-18:00 Chair :

- * Yorito Yamaguchi (Univ. of Tokyo) [20] “Direct photon at PHENIX”
- * Beomsu Chang (Yonsei Univ.) [20]
“Combinatorial pair background in the e^+e^- mass spectra in p+p collisions at $\sqrt{s} = 14$ TeV”
- * Misaki Ouchida (Hiroshima Univ.) [20] “Low mass vector meson measurements at RHIC”
- * Maya Shimomura (Univ. of Tsukuba) [20] “Systematic study of elliptic flow at RHIC”
- * Kyung Eon Choi (Pusan National Univ.) [20]
“Gamma-conversion tomography of STAR detector system with silicon detector and future”
- * Chang Wook Son (Pusan National Univ.) [20]
“A Simple Method and Test of Single Photoelectron and Uniformity Measurement
for Multi-Anode PMT”

Banquet 19:00-21:00

Scientific Program 15/Oct/2008 (Wed) --- 3rd day ---

Session [3A] 9:00-10:30 Chair :

- * Xin-Nian Wang (LBNL) [50] “QGP and Jets”
- * Nu Xu (LBNL) [40] “Jets in STAR”

Coffee break (30min)

Session [3B] 11:00-12:40 Chair :

- * Qun Wang (Univ. of Science and Technology of China) [30]
“Fluctuation effects in relativistic BCS-BEC crossover”
- * Kensuke Homma (Hiroshima Univ.) [30] “Fluctuation and HBT results”
- * Hiroshi Masui (LBNL) [20] “ v_2 & hydro”
- * Shingo Sakai (UCLA) [20] “Charm/bottom measurements at RHIC”

Lunch break (1h 20min)

Session [3C] 14:00-15:40 Chair :

- * Shoji Nagamiya (KEK, J-parc) [30] “J-parc Overview”
- * Kyoichiro Ozawa (Univ. of Tokyo) [20] “Dense Matter at J-parc”
- * Byungsik Hong (Korea Univ.) [20] “Compressed Baryonic Matter : Highlight & Prospects”
- * Raimond Snellings (NIKHEF) [30] “Anisotropic flow: from RHIC to the LHC”

Coffee break (20min)

Session [3D] 16:00-17:45 Chair :

- * Kazuyuki Kanaya (Univ. of Tsukuba) [30]
“Lattice studies of QCD at finite temperature and finite density”
- * Enke Wang (Huazhong Normal Univ.) [30]
“Modification of heavy quark fragmentation function in QGP”
- * Jiunn-Wei Chen (National Taiwan Univ.) [20] “Phase Transitions and the Perfectness of Fluids”
- * Chang-Hwan Lee (Pusan National Univ.) [20] “Cosmological Heavy Ion Collisions”
- * TBA () [5] “Next ATHIC in 2010”

Transportation

(1) From Narita Int. Airport to Tsukuba Bus Center

Take an airport bus called “Airport Liner NATTS” to Tsukuba Bus Center. Ticket (2540 yen) is available at the KEISEI BUS TICKET COUNTER in the arrival lobby. Bus leaves from the bus stop #8 in front of the airport terminal 1 1st floor and/or the bus stop #10 at the terminal 2. It takes ~100 min to the Tsukuba Bus Center. Please be careful that the Tsukuba is not the last stop of the bus. Bus leaves on 7:20, 9:05, 10:35, 12:50, 14:30, 16:15, 17:20, 18:45 and 20:10. If you arrive later than these bus schedule, contact ATHIC office for possible arrangement, or take a taxi, which costs you ~18,000 yen from Narita Airport to Tsukuba!

Time Table of Bus from Narita Airport to Tsukuba

Narita Terminal 2	Narita Terminal 1	Shintone	Ryugasaki Newtown	Ushiku	Hitachino Ushiku Sta.	Tsukuba Center	Tsuchiura Sta.
7:20	7:25	8:05	8:23	8:35	8:40	9:00	9:20
9:05	9:10	9:50	10:08	10:20	10:25	10:45	11:05
10:35	10:40	11:20	11:38	11:50	11:55	12:15	12:35
12:50	12:55	13:35	13:53	14:05	14:10	14:30	14:50
14:30	14:35	15:15	15:33	15:45	15:50	16:10	16:30
16:15	16:20	17:00	17:18	17:30	17:35	17:55	18:15
17:20	17:25	18:05	18:23	18:35	18:40	19:00	19:20
18:45	18:50	19:30	19:48	20:00	20:05	20:25	20:45
20:10	20:15	20:55	21:13	21:25	21:30	21:50	22:10

Time Table of Bus to Narita Airport from Tsukuba

Tsuchiura Sta.	Tsukuba Center	Hitachino Ushiku Sta.	Ushiku	Ryugasaki Newtown	Shintone	Narita Terminal 1	Narita Terminal 2
6:00	6:20	6:40	6:45	6:57	7:15	8:00	8:05
7:00	7:20	7:40	7:45	7:57	8:15	8:55	9:00
8:30	8:50	9:10	9:15	9:27	9:45	10:25	10:30
10:00	10:20	10:40	10:45	10:57	11:15	11:55	12:00
11:35	11:55	12:15	12:20	12:32	12:50	13:30	13:35
13:05	13:25	13:45	13:50	14:02	14:20	15:00	15:05
14:15	14:35	14:55	15:00	15:12	15:30	16:10	16:15
15:30	15:50	16:10	16:15	16:27	16:45	17:25	17:30
17:15	17:35	17:55	18:00	18:12	18:30	19:10	19:15

※ Reservation needed for a bus going back to Narita

For reservation : 029-852-5666 Office Hour : 8:30 - 19:00

(2) From JR Tokyo station to Tsukuba Bus Center

a) Take JR Yamanote line from JR Tokyo station to JR Akihabara station. On the ground level where the ticket gates are, find a sign of “Tsukuba Express”, TX for short. From the underground TX Akihabara station, take Rapid, Semi-Rapid or Local train to Tsukuba. It takes 45 min by Rapid, 52 min by Semi-Rapid and 57 min by Local train. The Tsukuba station is the last stop of the Tsukuba Express line.

b) Take a highway bus to Tsukuba Bus center. At the south end of YAESU-ticket gate of JR Tokyo station, there is bus terminal. You can buy a ticket at the vending machine just inside of the building at the bus terminal. Depending on the traffic, it takes 60 min - 90 min to the Tsukuba Bus Center.

(3) From Tsukuba Bus Center to Reception, Hotels and Conference Site

3-0 Instruction to use local bus

When you get in the bus, you need to use the middle door and take a ticket, which indicates an area zone number where you get in to the bus. In order to get off the bus, you need to press any of many stop-request buttons inside the bus before reaching the bus stop you like to get off, but after passing through the previous bus stop. You need to listen the announcement (mostly in Japanese though) that tells you the name of the next bus stop. Please be aware that the bus would not stop if nobody press the button or if nobody is waiting at the bus stop. (But if you tell your destination bus stop to your bus driver, I would hope that he/she remembers to let you get off at the right place.) Before you get off the bus, you can check the price for your area zone number shown in a display inside the bus. Please pay the price with the ticket into the pay box next to the bus driver just before you step out from the bus. You are asked to pay the exact price, therefore it's better to have enough coins before you get into the bus, or you can also use the exchange machine (≤ 1000 yen) to get smaller coins inside the bus.

3-1 From Tsukuba Bus Center to Reception place

Please look at the enclosed map "Tsukuba Center Bus Terminal Area", from Tsukuba Bus Center to the Reception place "Hotel Okura Honkan (Main building)" 11th floor (top floor) at bar-lounge "Continental" is walking distance about a few minutes.

3-2 From Tsukuba Bus Center to Hotel Okura Epochal

Please look at the enclosed map "Tsukuba Center Bus Terminal Area", from Tsukuba Bus Center to the "Hotel Okura Epochal" is walking distance about 10 minutes. But it will be easier with taxi from Tsukuba Bus Center in a few minutes, if you have heavy suitcase. Please use the enclosed translation card in the following page for taxi driver.

3-3 From Tsukuba Bus Center to Kenshu Center

You can take a bus 10 or C10 from Tsukuba Bus Center and get off the bus at "Tsukuba Medical Center" as shown in the following "Route of Local Bus" and walk about 10 minutes as shown in the following map "Tsukuba Kenshu Center Area". But it

will be easier with taxi from Tsukuba Bus Center, which takes about 7 minutes, if you have heavy suitcase. Please use the enclosed translation card in the following page for taxi driver.

3-4 From Tsukuba Bus Center to Shihou Kaikan

You can take a bus C8, C11 or 18 from Tsukuba Bus Center and get off the bus at “Tsukuba Gijutsu Daigaku Sangyo Gijutsu Gakubu” and walk about a few minutes or take a bus C10 (Hidari Mawari: Counterclockwise) from Tsukuba Bus Center and get off the bus at “Ga Shu Ku Sho” (training place) as shown in the following “Route of Local Bus” and walk about 5 minutes as shown in the following map “Shihou Kaikan Area”. But it will be easier with taxi from Tsukuba Bus Center, which takes about 10 minutes, if you have heavy suitcase. Please use the enclosed translation card in the following page for taxi driver. Please keep in mind that for the first time you’ll need to get a key to the room at the registration desk during the reception.

3-5 From Tsukuba Bus Center to Daigaku Kaikan

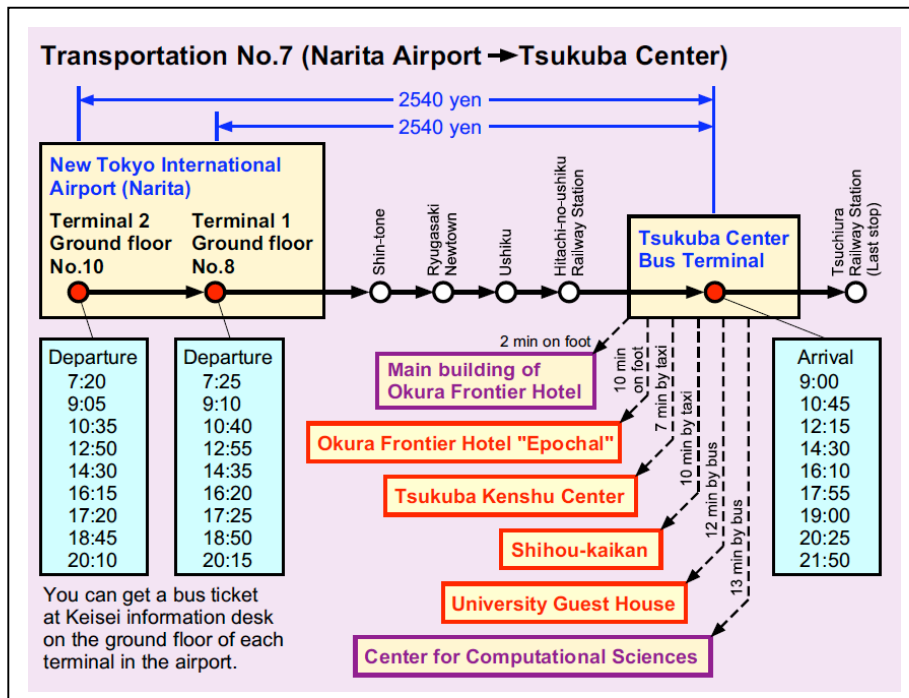
You can take a bus 10 or C10 (Migi Mawari: Clockwise) from Tsukuba Bus Center and get off the bus at “Daigaku Kaikan” as shown in the following “Route of Local Bus” and walk about a few minutes as shown in the following map “University Area (Conference Site) and Daigaku Kaikan”. But it will be easier with taxi from Tsukuba Bus Center, which takes about 10 minutes, if you have heavy suitcase. Please use the enclosed translation card in the following page for taxi driver.

3-6 From Tsukuba Bus Center to Conference Site

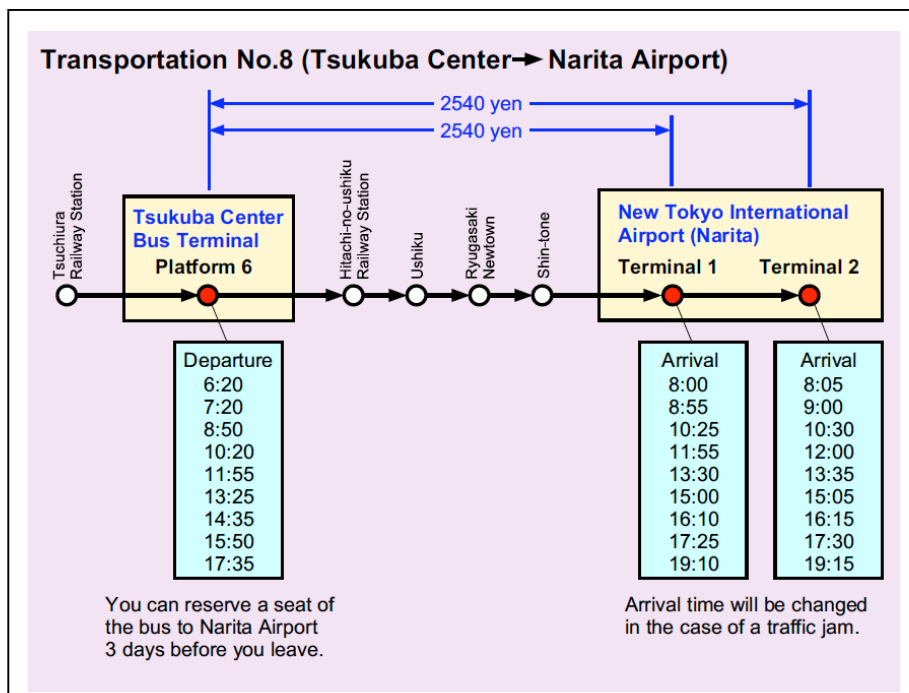
You can take a bus 10 or C10 (Migi Mawari: Clockwise) from Tsukuba Bus Center and get off the bus at “Daiichi Area” (1st area) as shown in the following “Route of Local Bus” and walk about a few minutes as shown in the following map “University Area (Conference Site) and Daigaku Kaikan”. If you get off the bus one stop earlier at “Daigaku Kaikan”, you can save 70 yen, if you like to. The conference site “Center for Computational Sciences” is just in front of the bus stop “Daiichi Area” (1st area) as shown in the following map “University Area (Conference Site) and Daigaku Kaikan”.

(4) Narita-Tsukuba, Tsukuba Local Bus Information

4-1. Narita Airport --> Tsukuba Bus Center

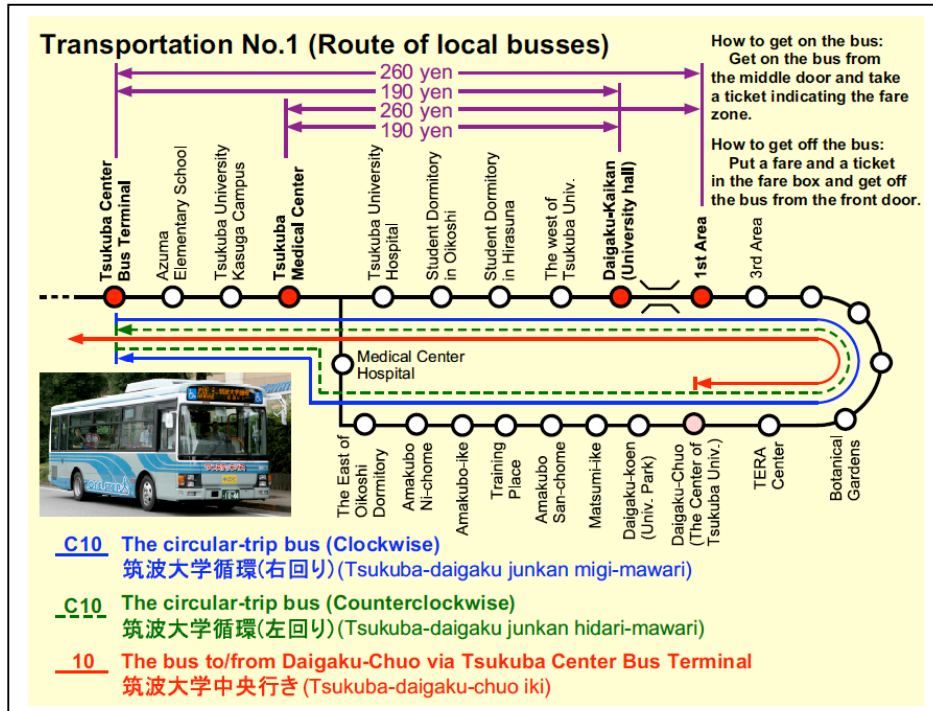


4-2. Tsukuba Bus Center --> Narita Airport

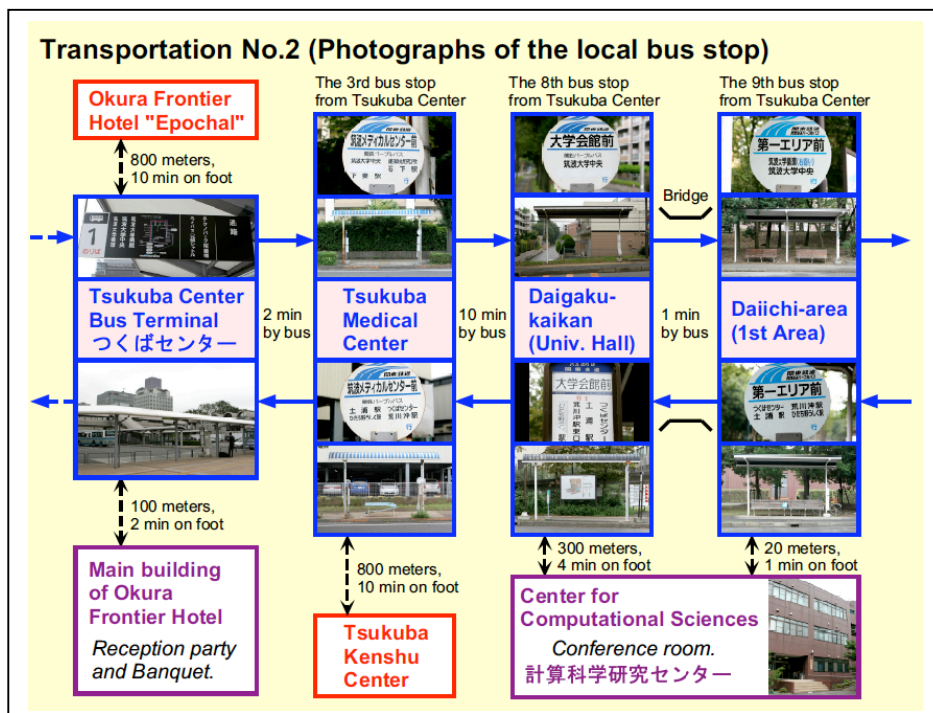


4-3. Route of Local Bus

(to/from Univ. of Tsukuba from/to Tsukuba Bus Center, Kenshu Center)

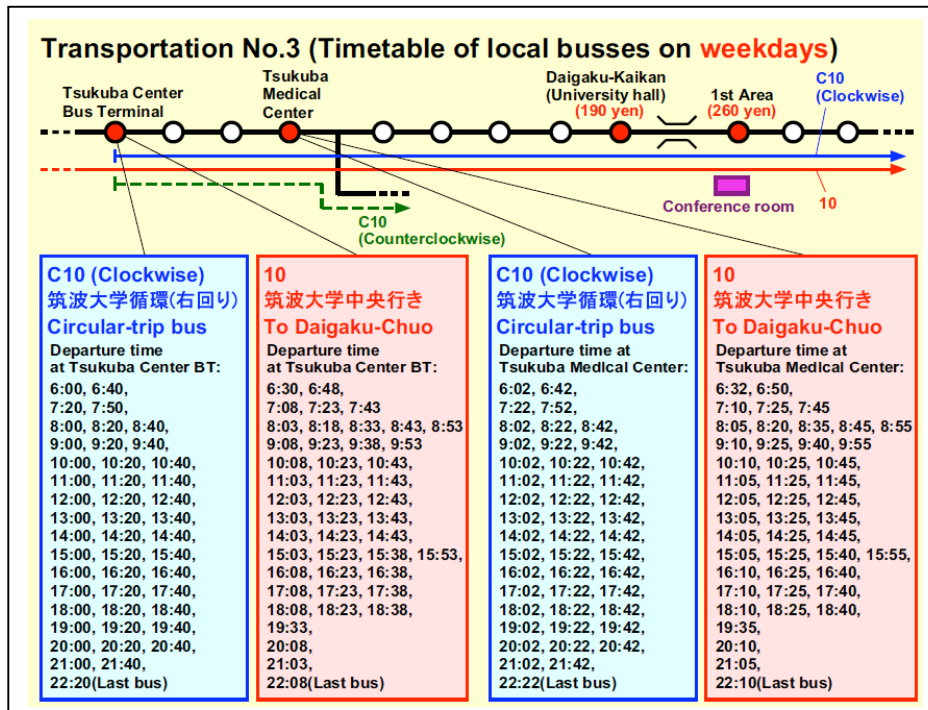


4-4. Photos of Local Bus Stop



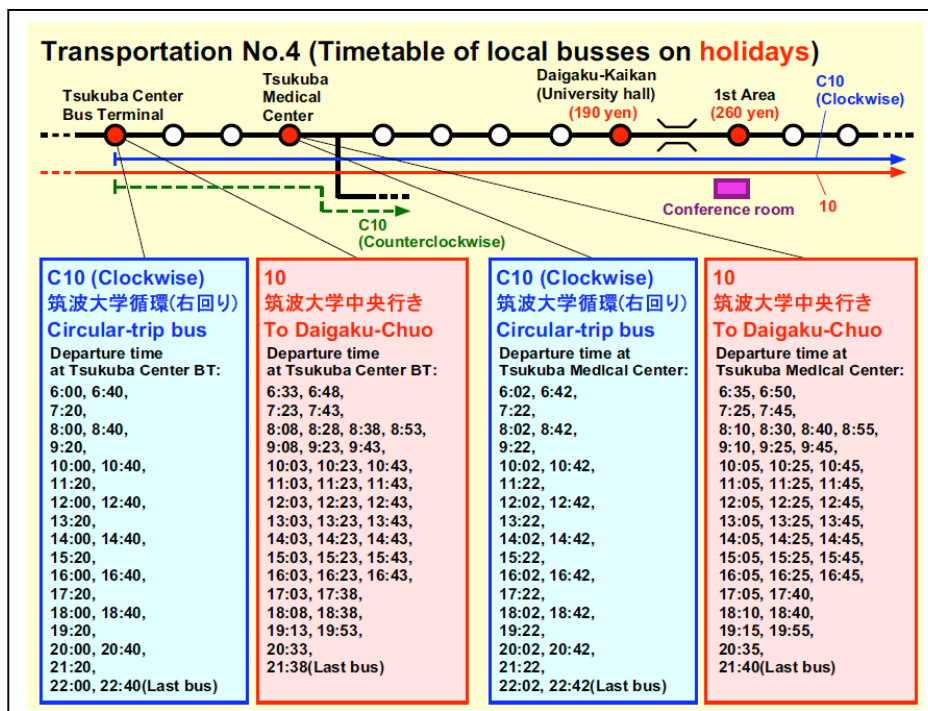
4-5. Route & Timetable of Local Bus;

Tsukuba Bus Center --> Univ. of Tsukuba (weekdays)



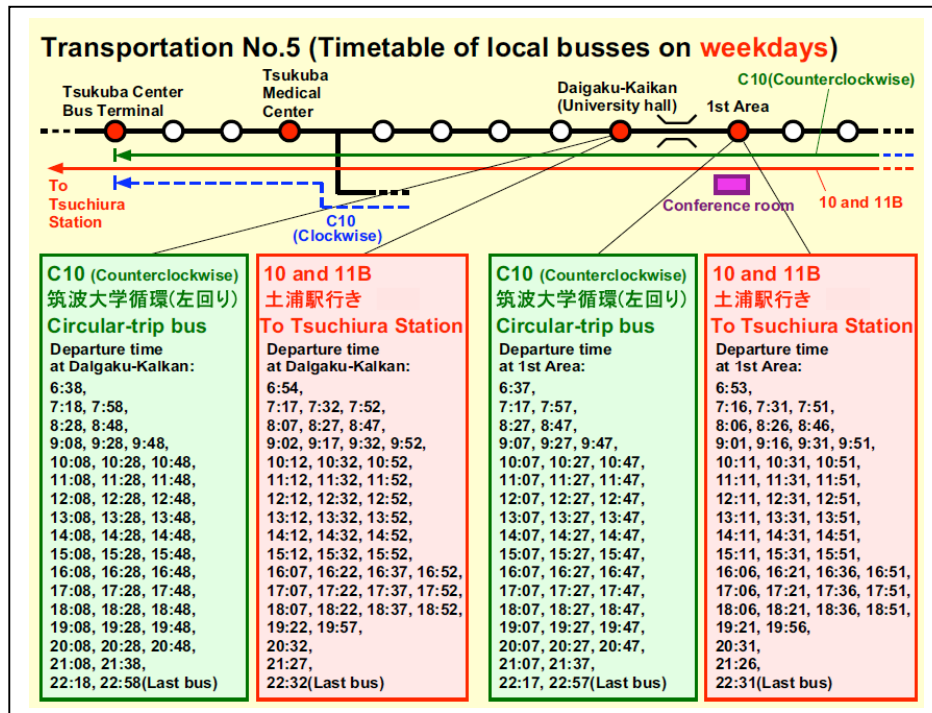
4-6. Route & Timetable of Local Bus;

Tsukuba Bus Center --> Univ. of Tsukuba (holidays)



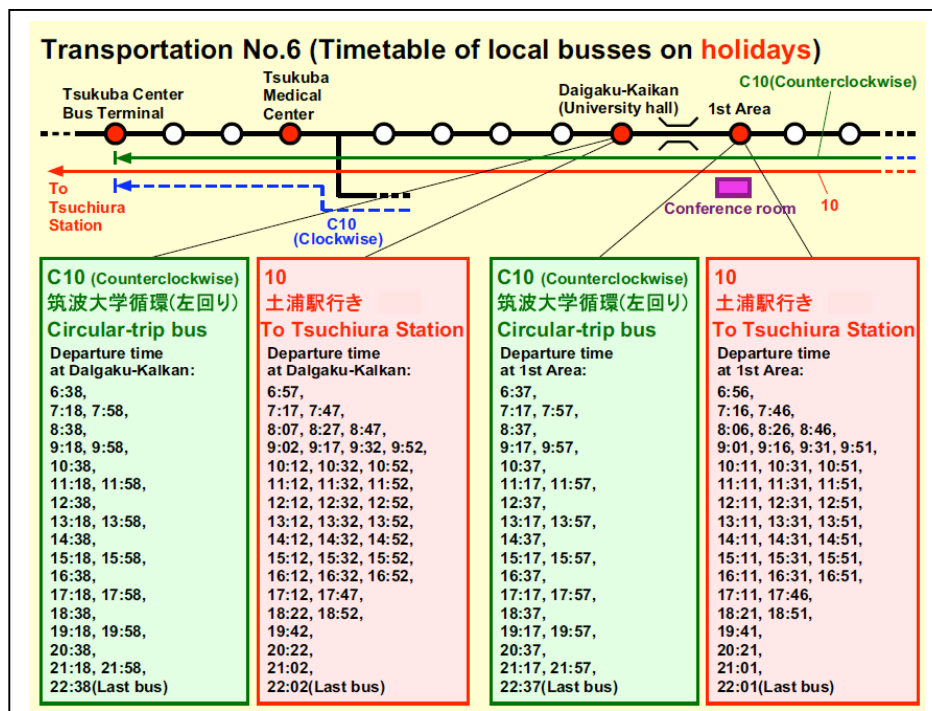
4-7. Route & Timetable of Local Bus;

Univ. of Tsukuba --> Tsukuba Bus Center (weekdays)



4-8. Route & Timetable of Local Bus;

Univ. of Tsukuba --> Tsukuba Bus Center (holidays)



(5) Translation cards for taxi driver [show this card to a taxi driver]

Translation cards (Show the card to a taxi driver.)

Okura Hotel "Epochal" ni itte kudasai.

オークラホテル「エポカル」に行ってください。

(つくば市竹園2-20-1)

Meaning: Please go to Okura Frontier Hotel "Epochal".

Okura Hotel "Honkan" ni itte kudasai.

オークラホテル本館に行ってください。

(つくば市吾妻1-1364-1)

Meaning: Please go to the main building of Okura Frontier Hotel.

Daigaku Kaikan ni itte kudasai.

大学会館に行ってください。

(筑波大学 南地区 大学会館B, つくば市天王台1-1-1)

Meaning: Please go to Guest house of University of Tsukuba.

Tsukuba Kenshu Center ni itte kudasai.

筑波研修センターに行ってください。

(つくば市天久保1-13-5)

Meaning: Please go to Tsukuba Kenshu Center.

Shihou Kaikan ni itte kudasai.

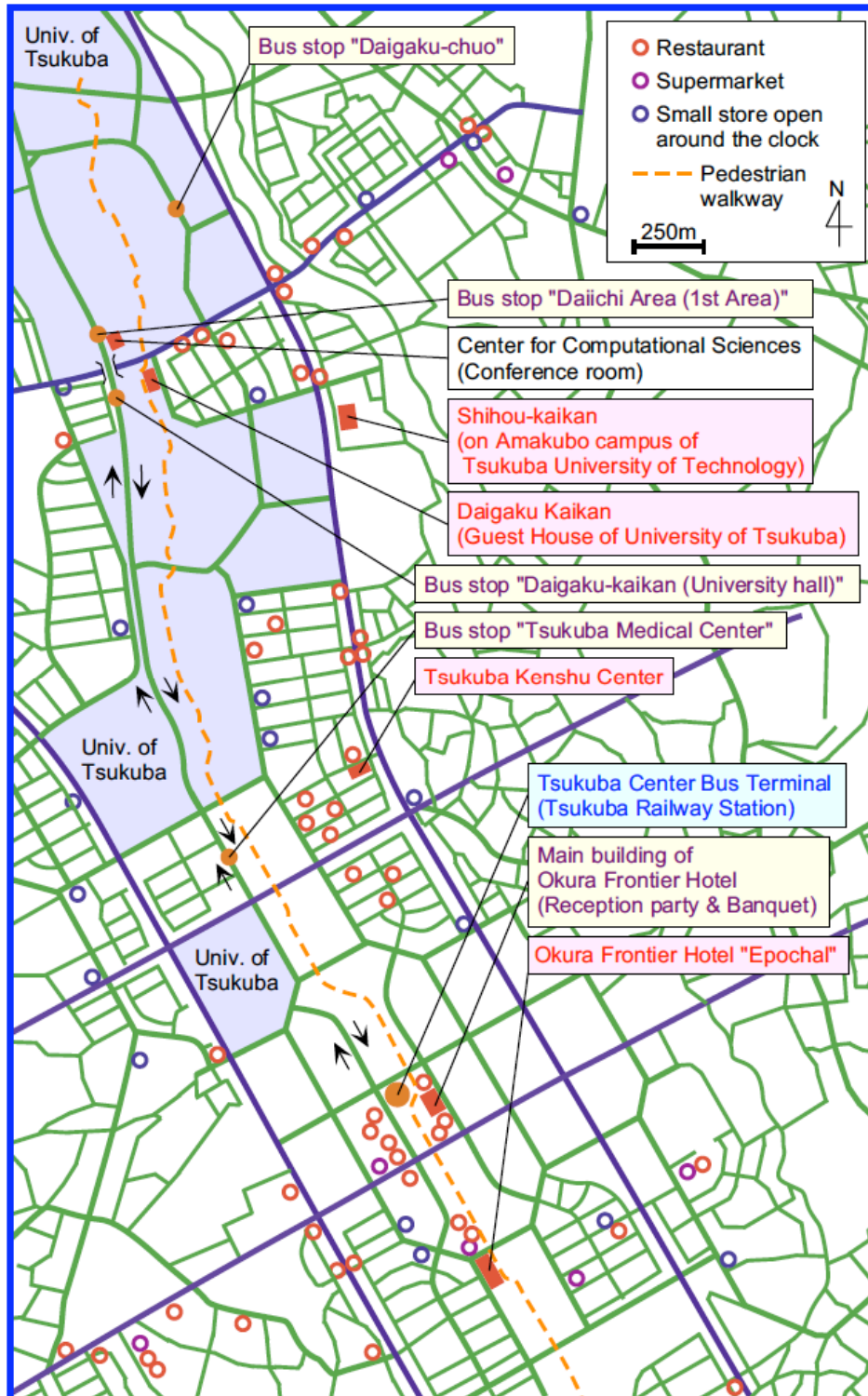
紫峰会館に行ってください。

(筑波技術大学 天久保キャンパス内, 天久保4-3-15)

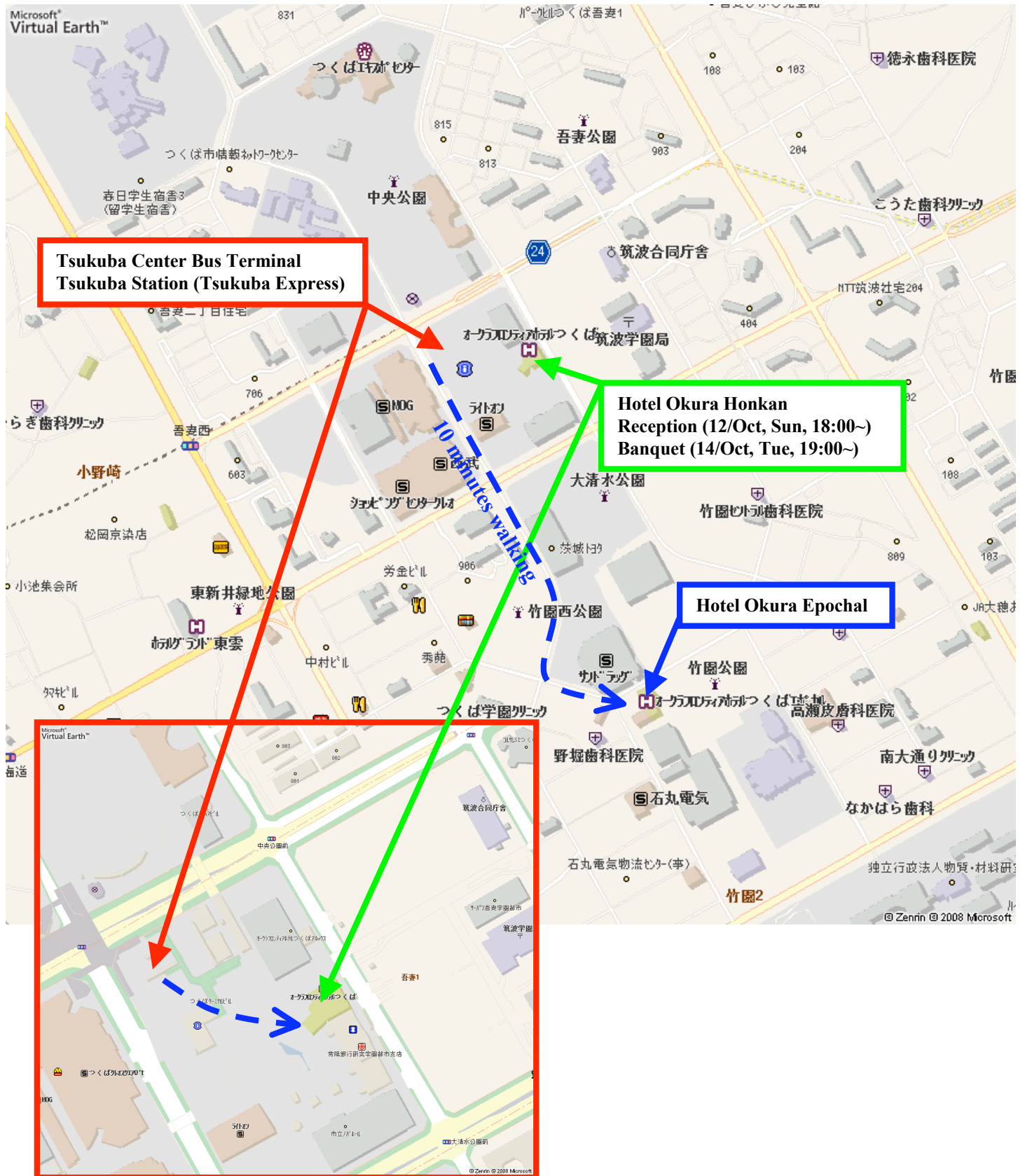
Meaning: Please go to Shihou-kaikan.

Tsukuba City Local Maps

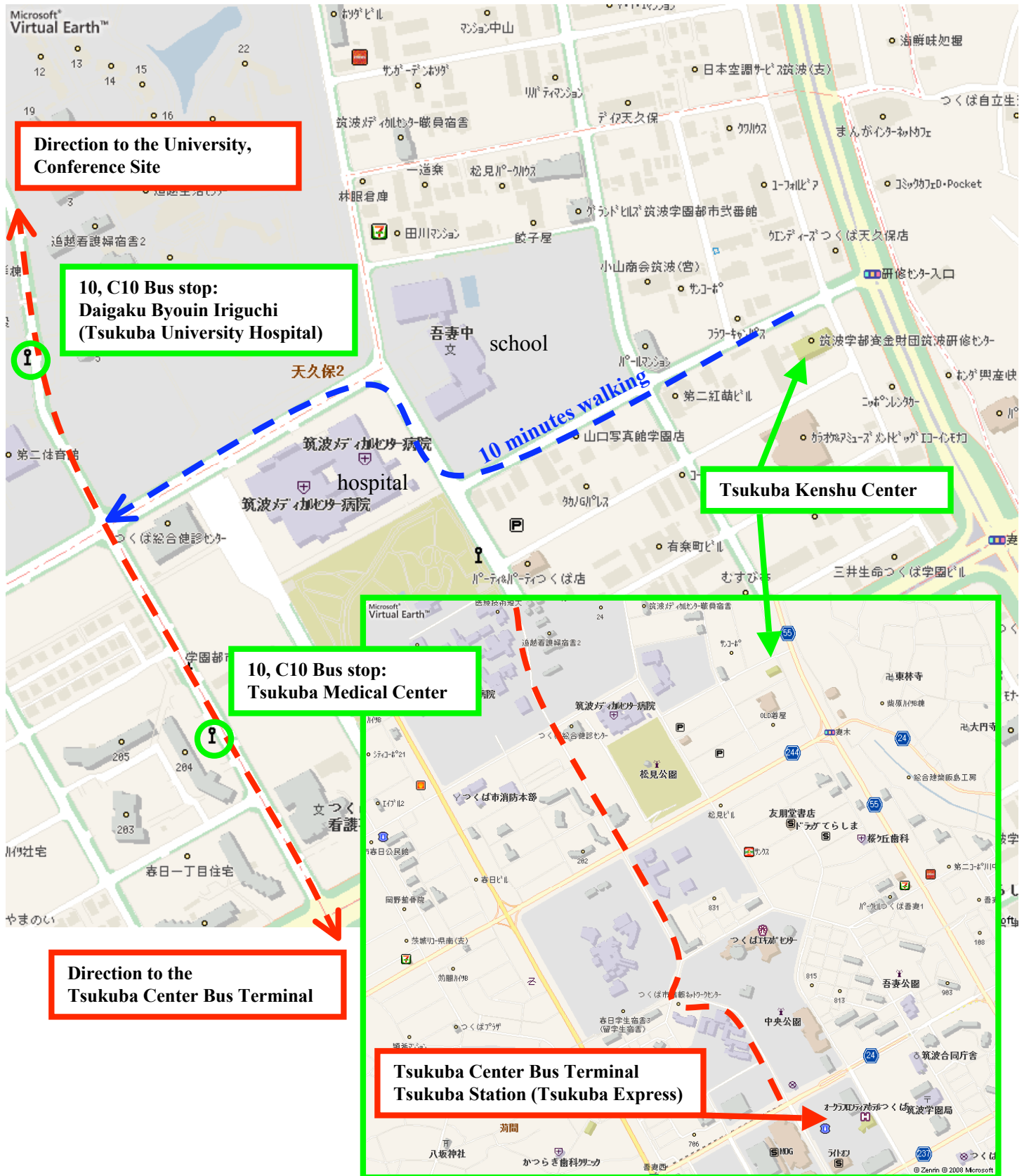
Local map (Tsukuba city)



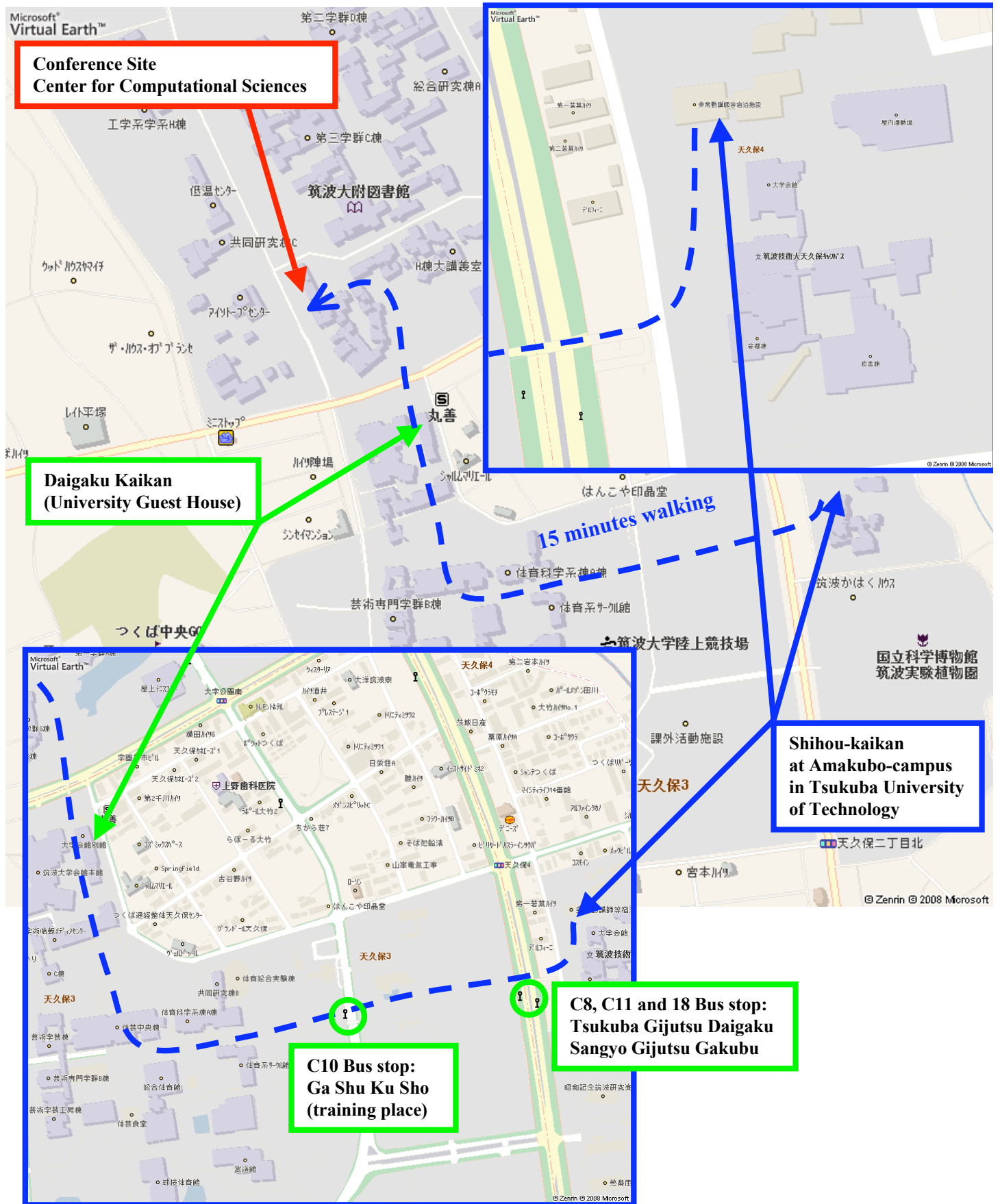
Tsukuba Center Bus Terminal Area (Hotel Okura Honkan/Epochal)



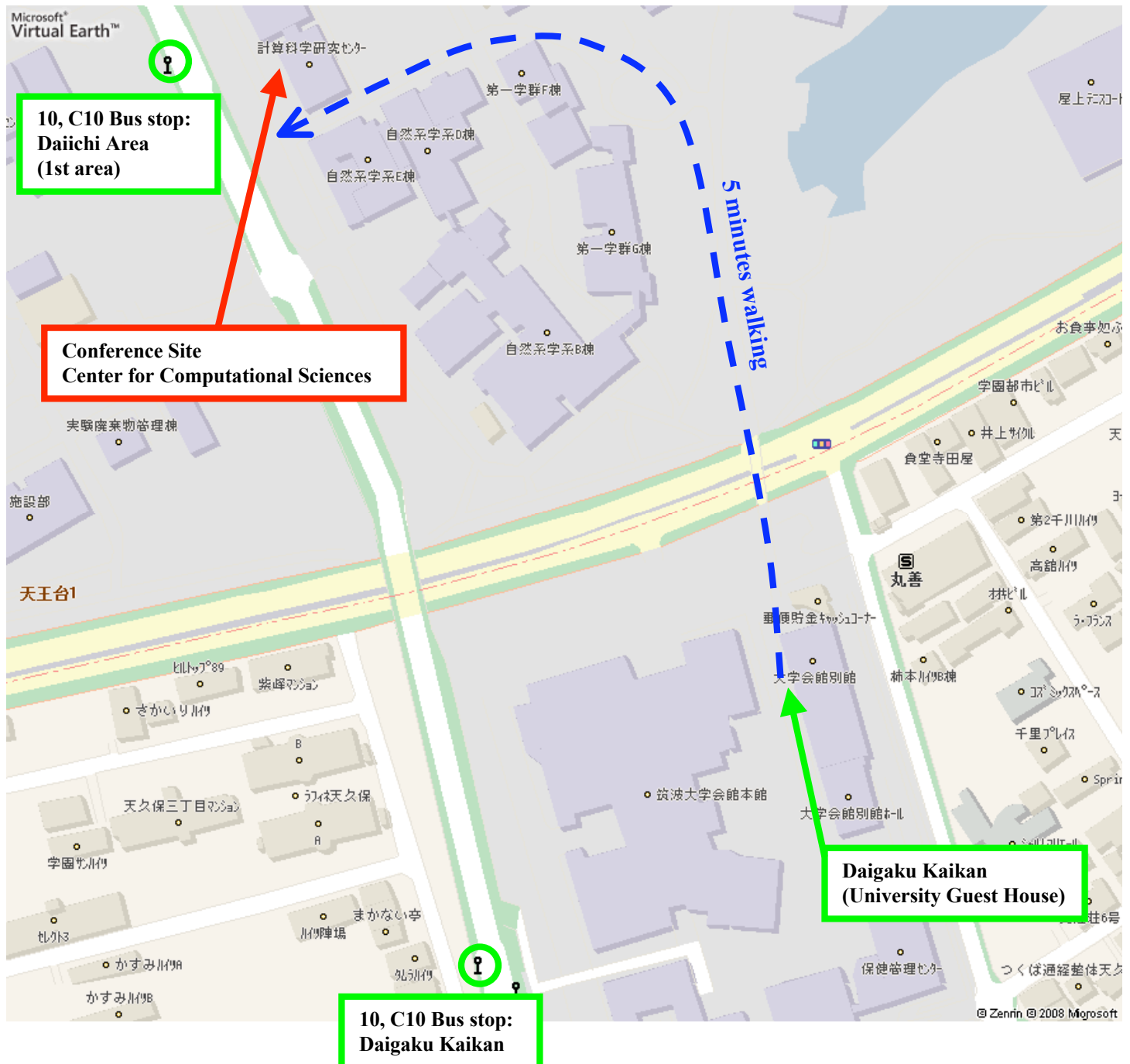
Tsukuba Kenshu Center Area



Shihou Kaikan Area



University Area (Conference Site) Daigaku Kaikan (University Guest House)





Memo





Memo





Memo





Memo





Memo





Memo

