



Supersonic Tunnel Association International



120th Semi-Annual Meeting

September 22-24, 2013, Chengdu, China
Hosted by the High Speed Aerodynamics Institute of
China Aerodynamics Research and Development Center

SECOND ANNOUNCEMENT

DEAR STAI MEMBERS,

We are pleased to invite you to attend the 120th Semi-Annual Meeting of the Supersonic Tunnel Association International, which will be held from Sunday, September 22, 2013 through Tuesday, September 24, 2013 in Chengdu, China. This meeting will be hosted by the High Speed Aerodynamics Institute of China Aerodynamics Research and Development Center. We would like to take this opportunity to welcome all STAI members to share the information of technological advances and at the same time to enjoy the glamour of local culture.

MEETING VENUE AND HOTEL INFORMATION

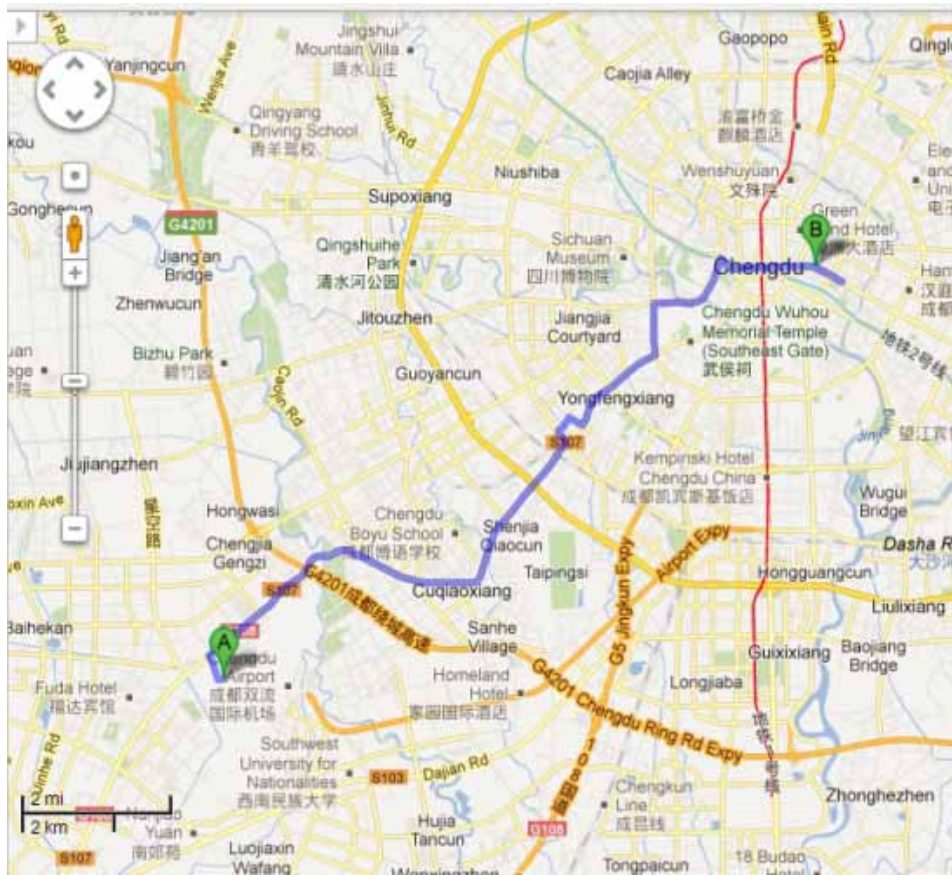
The meeting will be held at Crowne Plaza Chengdu City Center (成都总府皇冠假日酒店), located in the heart of downtown Chengdu, the capital of Sichuan Province, P. R. China. Adjacent to Chunxi Road (Chunxi Lu), the most popular commercial district of the city, the hotel offers convenient transportation and comfortable environment with a complete set of amenities and services.

The special room rates for the meeting attendees are RMB650 (approx. USD105) for single room and RMB750 (approx. USD120) for double room. For hotel reservation, please contact Miss Yuki Chen. Phone: +86-28-86786666-8728, Mobile: +86-15882350846, Fax: +86-28-86788256, E-mail: yuki.chen@ctuch.com. Please remind her of your STAI membership when making a call.

TRANSPORTATION

The Address of the hotel is No.31 Zong Fu Street, Chengdu, Sichuan, 610016, P. R. China (四川成都总府路 31 号, See map). It is about 30min drive from Chengdu Shuangliu International Airport. For safety and convenience, we recommend that you take a taxi or reserve a pick-up service at the hotel. The taxi fee ranges from RMB60-80. The airport pick-up service charges RMB380 or RMB450, depending on the make of car. Please note that the transportation from the Shuangliu International Airport to the hotel is not included in the registration fee.

For flight information, you may refer to <http://flight.asiatravel.com>.



MEETING AGENDA

A traditional STAI schedule has been adopted for the 120th meeting. Except as noted, all events will take place at Crowne Plaza Chengdu City Center.

Date	Time	Activity	Place
Sep 22 Sunday	09:00-19:00	Registration	Hotel 3 rd floor
	16:30-18:00	EC Meeting	Conference Rm Song Lan, 3 rd floor
	18:30-20:30	Reception Dinner	Conference Rm Huanhua, 2 nd floor
Sep 23 Monday	07:00-08:00	Breakfast	Hotel 2 nd floor
	07:00-08:00	Late Registration	Hotel 3 rd floor
	08:30-08:45	Welcome	Auditorium, 3 rd floor
	08:45-10:15	Technical Session 1	Auditorium, 3 rd floor
	10:15-10:30	Break	Hotel 3 rd floor
	10:30-12:00	Technical Session 2	Auditorium, 3 rd floor
	12:00-13:00	Lunch	Hotel 2 nd floor
	13:00-15:30	Transfer to HSA	
	15:30-17:00	Facility Tour & Group Photo	HSA, Beichuan
	17:00-17:50	Transfer to Mianyang	
	18:00-20:00	Banquet	Huanhua Hotel, Mianyang
	20:00-22:30	Transfer to Hotel in Chengdu	
Sep 24 Tuesday	07:00-08:00	Breakfast	Hotel 2 nd floor
	08:30-10:00	Technical Session 3	Auditorium, 3 rd floor
	10:00-10:15	Break	Hotel 3 rd floor
	10:15-11:45	Technical Session 4	Auditorium, 3 rd floor
	12:00-13:00	Lunch	Hotel 2 nd floor
	13:30-15:00	Technical Session 5	Auditorium, 3 rd floor
	15:00-15:15	Break	Hotel 3 rd floor
	15:15-16:45	Technical Session 6	Auditorium, 3 rd floor
	17:00-18:00	General Business Meeting	Auditorium, 3 rd floor
	18:30-20:00	Optional Group Dinner	Wide and Narrow Alleys

A partner's program is envisaged on September 23-24 for spouses. A post-meeting program will be arranged on September 25-26 that will take you on a tour to places of interest in and around Chengdu.

VISA APPLICATION

Please be reminded to check the requirements for application of Chinese visa on the website of embassy of the People's Republic of China in your country as early as possible. We will try our best to help meeting attendees solve possible problems

arising therefrom.

MEETING REGISTRATION

We kindly ask meeting attendees to register online before 01 August 2013. The STAI-120 meeting website is www.cardc.cn:85.

The registration fee for the attendees is USD500 per person, including the costs of conference rooms and materials, evening reception on September 22, banquet on September 23, lunches and coffee breaks on September 23-24, and transportation of facility tour on September 23. The registration fee for the partner's program on September 23-24 is USD350 per person, including the costs of evening reception on September 22, lunches on September 23-24, dinner on September 23, sight-seeing and transportation on September 23-24. The registration fee for the post-meeting program is USD300 per person. The optional group dinner on September 24 is USD40 per person. **The registration payments shall be made in cash (RMB ONLY) at the time of registration after your arrival at the hotel.**

Events	Meeting Registration	Optional Group Dinner	Partner's Program	Post-meeting Program
Fees (RMB)	3100	248	2170	1860

Exchange Rate: 1USD=RMB6.20.

TECHNICAL PROGRAM

Each member organization is encouraged to give a presentation to help make the technical program successful and to fulfill the STAI paper presentation requirements. Please submit the abstracts of your papers or technical presentations before 10 August 2013 via the STAI-120 meeting website. The papers/technical presentations should be submitted via e-mail to info@stai120.cn before 01 September 2013.

TECHNICAL PRESENTATIONS

The proceedings of the 120th STAI meeting will be collected and organized electronically into a DVD which will be delivered to all STAI members. To satisfy the STAI publication requirements, please insert the following disclaimer on the front cover of your presentation if you want presentation to remain for internal STAI use only:

NOTE: THIS INFORMATION IS FOR USE BY STAI MEMBERS ONLY AND IS NOT TO BE REFERRED TO IN PRINT WITHOUT AUTHOR'S PERMISSION.

Presentation guidelines for STAI members along with a list of the subject categories and key words are attached.

To assist in the compilation of the proceedings, please send your presentation in Adobe Acrobat "PDF" format (by E-mail or CD) without password protection, using the highest possible resolution and in its native format (i.e. Power Point) at least one week prior to the meeting, if possible. If you do not have the capability to convert your presentation to the PDF format, just send the presentation in its native format

and we will do the conversion for you.

FACILITY TOUR

A facility tour to the High Speed Aerodynamics Institute will be organized on the afternoon of 23 September 2013. It takes about 2.5 hours to drive from Crowne Plaza Chengdu City Center to the institute. The facilities to be visited will include 1.2m×1.2m Transonic & Supersonic Wind Tunnel, 2.4m×2.4m Transonic Wind Tunnel, and 2m×2m Supersonic Wind Tunnel.

1.2m×1.2m Transonic & Supersonic Wind Tunnel



The 1.2m×1.2m Transonic & Supersonic Wind Tunnel (1.2m TSWT) is a semi-circuit, intermittent facility. It was put into operation for transonic tests at the end of 1979, and became capable of conducting supersonic tests in September 1984 with the follow-up equipment of flexible nozzle. $M=0.4 \sim 3.0$, $Rec=8.5 \times 10^6 \sim 35.2 \times 10^6$ 1/m. The facility is capable of performing not

only conventional force and pressure measurements with full, half models and components, but also special tests such as CTS test, buffet test, flutter test, fluctuating pressure measurement, dynamic derivative test, inlet and exhaust jet test, etc.

2.4m×2.4m Transonic Wind Tunnel

The 2.4m×2.4m Transonic Wind Tunnel (2.4m TWT) is an ejector-driven, semi-circuit, intermittent transonic facility. It was put into use at the end of 1999. $M=0.3 \sim 1.4$, $Rec=1.76 \times 10^6 \sim 17.00 \times 10^6$ ($c=0.24m$). The facility is capable of performing not only conventional force and pressure measurements with full, half models and components, but also special tests such as CTS test, buffet test, flutter test, dynamic derivative test, TPS test, etc.



2m×2m Supersonic Wind Tunnel

The 2m×2m Supersonic Wind Tunnel (2m SWT) is an intermittent, blow-down facility with ejector. Its construction was initiated in April 2007 and completed in June 2010.



After a period of commissioning, the facility was put into operation for model testing in November 2011.

$M=1.5 \sim 4.25$, $Re_c=2.8 \times 10^6 \sim 14.4 \times 10^6$ ($c=0.2m$). The 2m SWT is capable of conducting conventional force and pressure measurements for full model and components, inlet test, dynamic derivative test, etc.

SITE REGULATIONS

After arrival at HSA, please observe site regulations as follows.

- **Escort** Visitors will be accompanied by HSA staff during their visit. Access to any facility or building should be permitted by HSAI escort staff.
- **No Photos** Photographing or filming is not allowed on the premises by using any photographic apparatus, including mobile phone with camera.
- **WIFI** Any WiFi devices need to be turned off in HSAI facility.

PARTNER'S PROGRAM

We would like to arrange a two-day visit to tourist spots in and around Chengdu for partners, such as Leshan Giant Buddha, Du Fu Thatched Cottage, Jinsha Ruins Museum.

Chengdu, the capital city of Southwest China's Sichuan Province, is a place of rich history and unique culture. The city often reminds people of moderate climate, leisured lifestyle, delicious local snacks, sights of natural and historical interest. The highlight of the partner's program includes a visit to the Leshan Giant Buddha and Jinsha Ruins Museum.



Leshan Giant Buddha is about 140km south of Chengdu. The Buddha statue, standing at 71m tall, was carved out of the cliff on the east bank of Mingjiang River in Leshan City. Its construction was completed in the early 9th Century, after 90 years of hard work. The original idea of building the Buddha was to prevent floods according to local people's belief.

Jinsha Ruins, considered as the first major archeological discovery in early 21st century in China, has rewritten people's knowledge of the history of Chengdu city as well as the ancient history of Sichuan Province in general, giving solid evidence to support that the Yangtze Civilization enjoys an equally important position as the Yellow River Civilization in the history of Chinese Civilization.

The agenda is as follows.

Date	Time	Activity	Place
Sep 23 Monday	08:00-09:00	Breakfast	Hotel
	09:00-11:00	Transfer to Leshan Giant Buddha	
	11:00-12:00	Boat trip on Mingjiang River	
	12:00-13:00	Lunch	Xiba Beancurd
	13:00-15:00	Sight-Seeing of Giant Buddha	
	15:00-17:45	Transfer to Chengdu	Afternoon tea included
	18:30	Supper	Chengxin Restaurant
Sep 24 Tuesday	08:00-09:00	Breakfast	Hotel
	09:00-09:30	Transfer to Du Fu Thatched Cottage (DFTC)	
	09:30-10:30	Sight-Seeing	DFTC
	10:30-10:45	Transfer to Jinsha Ruins Museum (JSRM)	
	10:45-11:45	Sight-Seeing	JSRM
	11:45-12:10	Transfer to Special Snack Street (SSS)	
	12:10-13:00	Lunch	SSS
	Afternoon	Tour around Tianfu Square and Chunxi	Afternoon tea included
	18:30	Optional Group Dinner	Wide and Narrow Alleys

POST-MEETING PROGRAM

Sites of interest included in the post-meeting program are Dujiangyan Irrigation System, Chengdu Giant Panda Breeding Center, Sanxingdui Museum, Wuhou Shrine, Jinli Ancient Street, and Wide and Narrow Alleys.

Chengdu Giant Panda Breeding Center is a pleasant home to about 20 giant pandas as well as the endangered red pandas, where you get a chance to watch them up close. Today, there are less than 1500 giant pandas in the world, of which about 75% are found in Sichuan.



Sanxingdui Museum exhibits the relics of Ancient Shu Kingdom dating back almost 5000 years. The unique Sanxingdui culture with the unearthed artifacts, like bronze sculptures with protruding eyes, still remains a mystery.

Dujiangyan Irrigation System has benefited Chengdu Plain for well over 2000 years with respect to irrigation and flood prevention. It was built during the Warring States Period (475-221BC) in China. Its special design enables it to divert

water without the use of dams. Even today, the irrigation infrastructure continues to divert the waters of the Mingjiang River and distributes it efficiently to the fertile farmlands of Chengdu Plain. Owing to this irrigation project, the Chengdu Plain earned its reputation “the land of abundance” in China. The system is included in the UNESCO list of world cultural heritages.



The wide and narrow alleys, or Kuai Zhai Xiangzi in Chinese Pinyin, is composed of three ancient streets (the Wide Alley, Narrow Alley, Jing (well) Alley) and quadrangle courtyards, rebuilt after the old architectural style of the Ming (1368-1644) and Qing (1644-1911) Dynasties to showcase the traditional look of Chengdu. A visit to the alleys allows visitors to experience the leisurely and comfortable life in Chengdu with boutiques, local snacks and cuisines, traditional teahouse, distinctive inns and relaxing Spas.

The agenda is as follows.

Date	Time	Activity	Place
Sep 25 Wednesday	08:00-09:00	Breakfast	Hotel
	09:00-10:00	Transfer to Chengdu Giant Panda Center (GPC)	
	10:00-12:30	Sight-Seeing	GPC
	12:30-13:30	Lunch	Yazihe Restaurant
	13:30-14:30	Transfer to Sanxingdui Museum	
	14:30-16:00	Sight-Seeing	Sanxingdui
	16:00-16:30	Tea Time	Guanghan
	16:30-17:30	Transfer to Chengdu	
	18:00	Supper	Da Ronghe Restaurant
Sep 26 Thursday	08:00-09:00	Breakfast	Hotel
	09:00-10:10	Transfer to Dujiangyan Irrigation System (DIS)	
	10:10-12:30	Sight-Seeing	DIS
	12:30-14:00	Lunch	Huaxi Restaurant
	14:00-15:20	Transfer to Chengdu	
	15:20-16:30	Sight-seeing of Wuhou Shrine (WS)	
	16:30-17:30	Walk around Jinli Ancient Street	Afternoon tea at Jieyi Tea House

Date	Time	Activity	Place
	17:30-17:50	Transfer to Wide and Narrow Alleys (WNA)	
	18:00	Supper	WNA

MISCELLANEOUS

The average temperature of Chengdu in September is 17-27 .

It is advised that you exchange some cash at the airport beforehand. Of course, currency exchange is also possible at the hotel reception for small sums and in banks near the hotel (See locations of Agricultural Bank of China, Industrial and Commercial Bank of China, and Bank of China on the map).

If you have any questions, please feel free to contact us.

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