



Application to Host

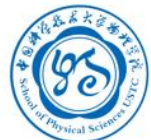
The 2nd International Workshop on the Physics of Ultra Peripheral Collisions

On the behalf of

High energy nuclear group

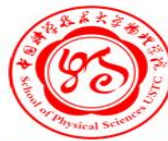
The School of Physical Sciences,

University of Science and Technology of China



粒子物理与原子核物理

Particle and Nuclear Physics, Department of Modern Physics of USTC



中国科学技术大学 物理学院

The School of Physical Sciences, USTC

University of Science and Technology of China

“The Cradle for Scientists” in China



University of Science and Technology of China

One of the top universities in China

— « REPUTATION » —

6

TOP

In China's Mainland
**THE University
Rankings 2023**

5

TOP

In China's Mainland
**U.S. News Rankings
2023**

6

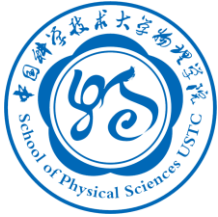
TOP

In China's Mainland
**QS World University
Rankings 2023**

2

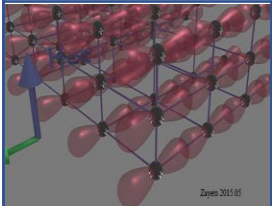
TOP

Global Universities
**Nature Index
2022-2023**

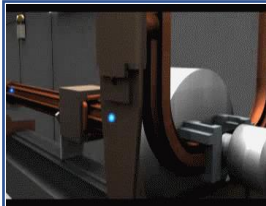


The School of Physical Sciences University of Science and Technology of China

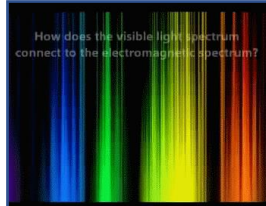
Departments



Physics



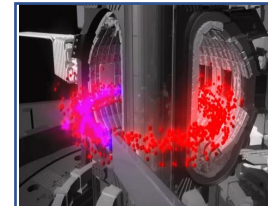
**Modern
Physics**



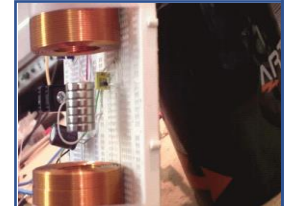
**Optics and
Optical
Engineering**



Astronomy

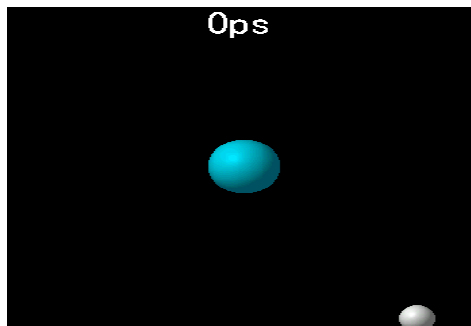
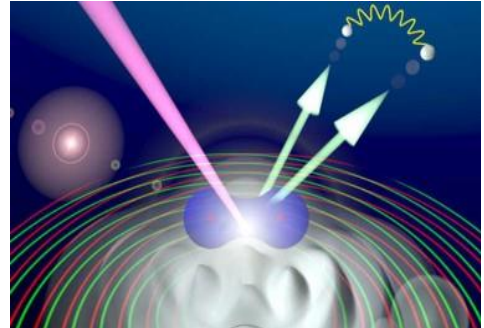


**Engineering
and Applied
Physics**



**The
Physical
Experiment
Teaching
Center**





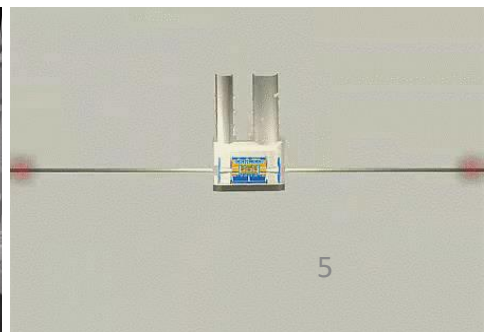
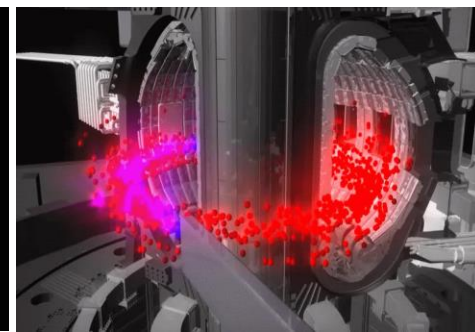
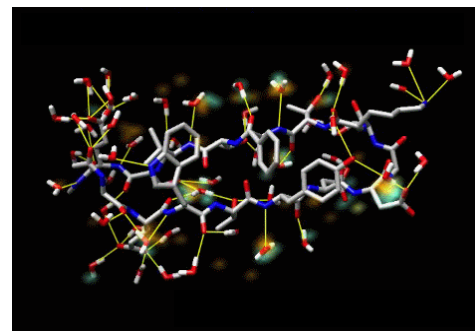
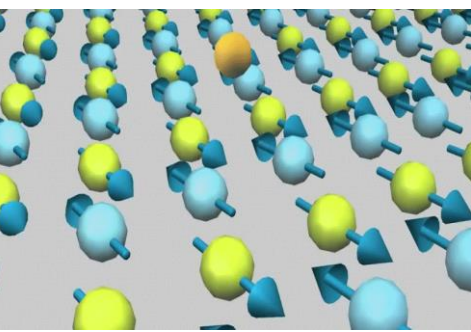
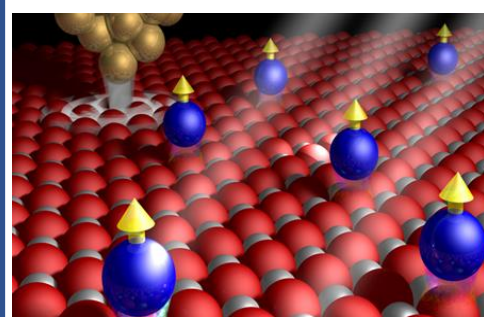
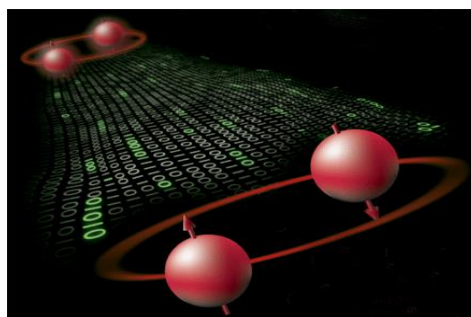
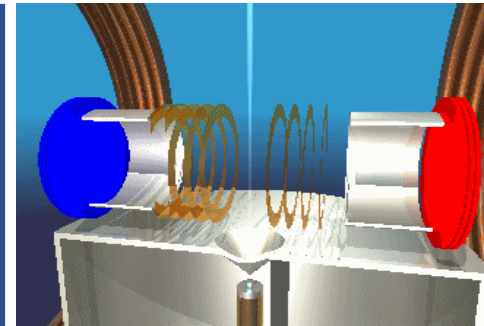
Broad spectrum of scientific research fields

Gravity

Electro Magnetic

Weak

Strong





Hefei National Laboratory for Physical Science at the Microscale



Synchrotron radiation National Laboratory

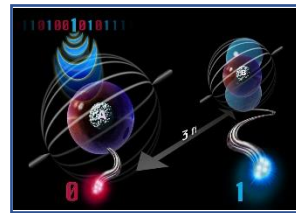


Quantum information National Laboratory

First-class scientific research platform



State Key Lab of Nuclear Detection and Electronics



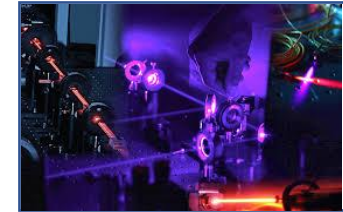
CAS Key Laboratory of Microscale Magnetic Resonance



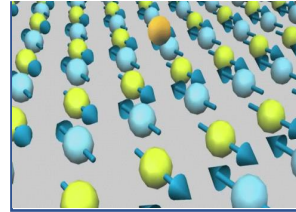
CAS Key Laboratory of Galaxies and Cosmology



CAS Key Laboratory of GEO Space Environment

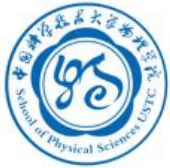


CAS Key Laboratory of Quantum Information



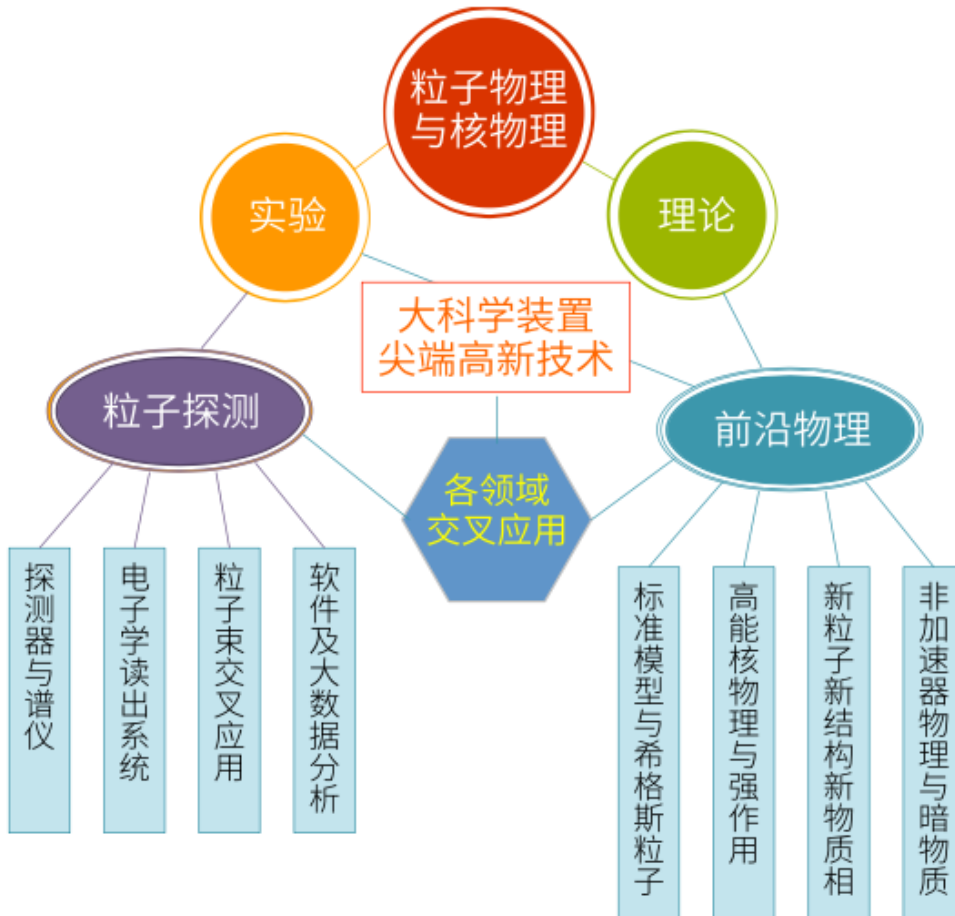
CAS Key Laboratory of Strong Coupling Quantum Materials Physics

Particle and Nuclear Physics



粒子物理与原子核物理

Particle and Nuclear Physics, Department of Modern Physics of USTC



Researches related to nuclear physics:

● High energy nuclear physics:

- ALICE
- STAR
- ATLAS
- CMS
- Theory

● Hardon and nuclear Physics:

- BESIII
- FAIR-CBM/PANDA
- KEK-Belle

High Energy Nuclear Group

8 faculties, 4 postdocs, 50 students, 2 full-time secretaries



Prof. Qun Wang
High energy physics
theory, **UPC physics**



Prof. Yi-fei Zhang
STAR, ALICE, EIC



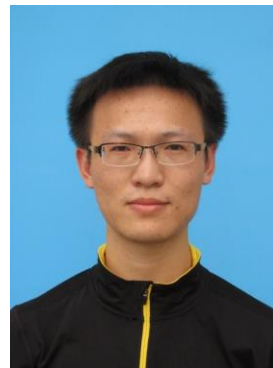
Prof. Shi Pu
High energy physics
theory, **UPC physics**



Prof. Ze-bo Tang
STAR, ALICE, EIC
UPC physics

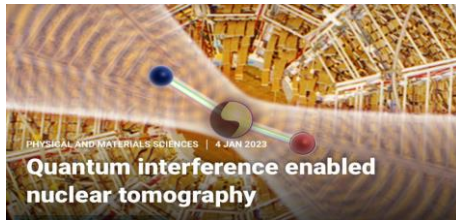


Prof. Qi-peng Hu
ATLAS, STCF

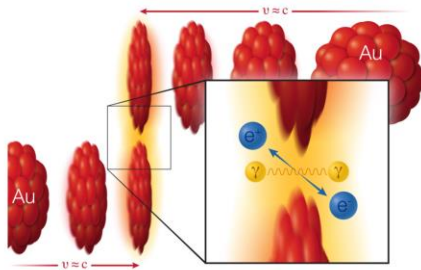


Prof. Wang-mei Zha
STAR, EIC
UPC physics

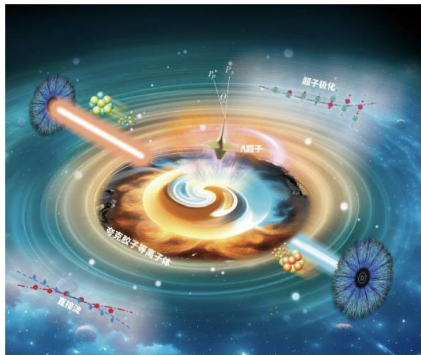
Recent Highlights related to UPC physics



STAR Collaboration, Tomography of ultrarelativistic nuclei with polarized photon-gluon collisions, **Sci. Adv. 9 (2023) eabq3903.**



STAR Collaboration, Measurement of e^+e^- Momentum and Angular Distributions from Linearly Polarized Photon Collisions, **Phys. Rev. Lett. 127, 052302.**



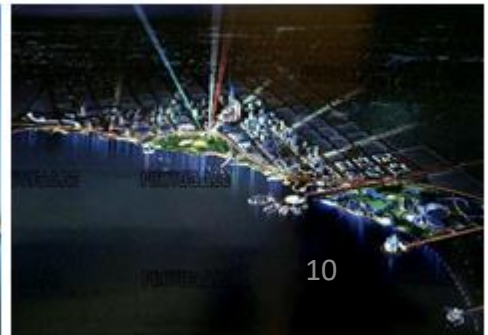
Shi Pu et al., Coherent photons induced high energy reactions in ultraperipheral heavy ion collisions, **Acta Phys.Sin. 72 (2023) 072503.**

In recent five years, our group have published **24 papers (3 Reviews)** related to **UPC physics**, including **1 Science Advances, 3 PRL, 15 JHEP/PRC/PRD/PLB...**



Hefei:

A vibrant and innovative city.



Conference Venue

USTC campus offers a wide range of conference halls that can accommodate meetings of various scales.



Plan A: Conference Halls East 3 or West 3 in the Physical Chemistry Building, can accommodate **500** participants.

Plan B: Waterfront Auditorium, can accommodate **400** participants.

The 7th Asian Triangle Heavy-Ion Conference (2018) ; 300 participants.



Accommodations

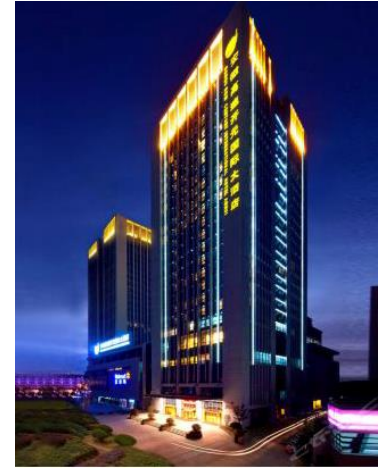
Five-Star hotels located near the conference venue:



Anhui Hotel
50-70 USD/day



Feng-Da International Hotel
60-80 USD/day



New Century Grand Hotel
60-80 USD/day

Budget hotels:



Jiang-Nan-Chun Hotel
50 USD/day

USTC Guest House
60 USD/day



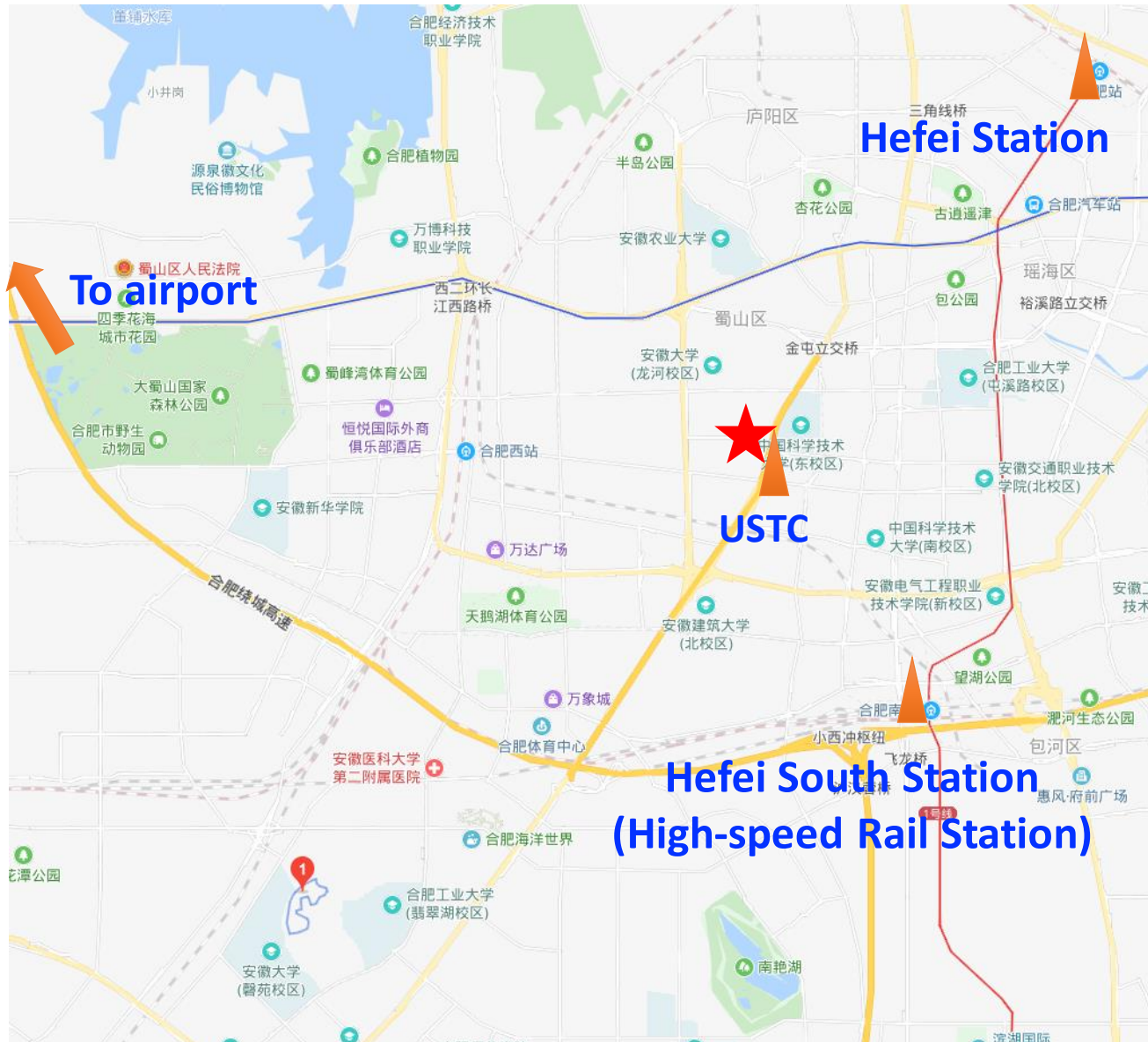


Hefei:

National comprehensive transportation hub and scientific center.



Transportation Information (Flights)

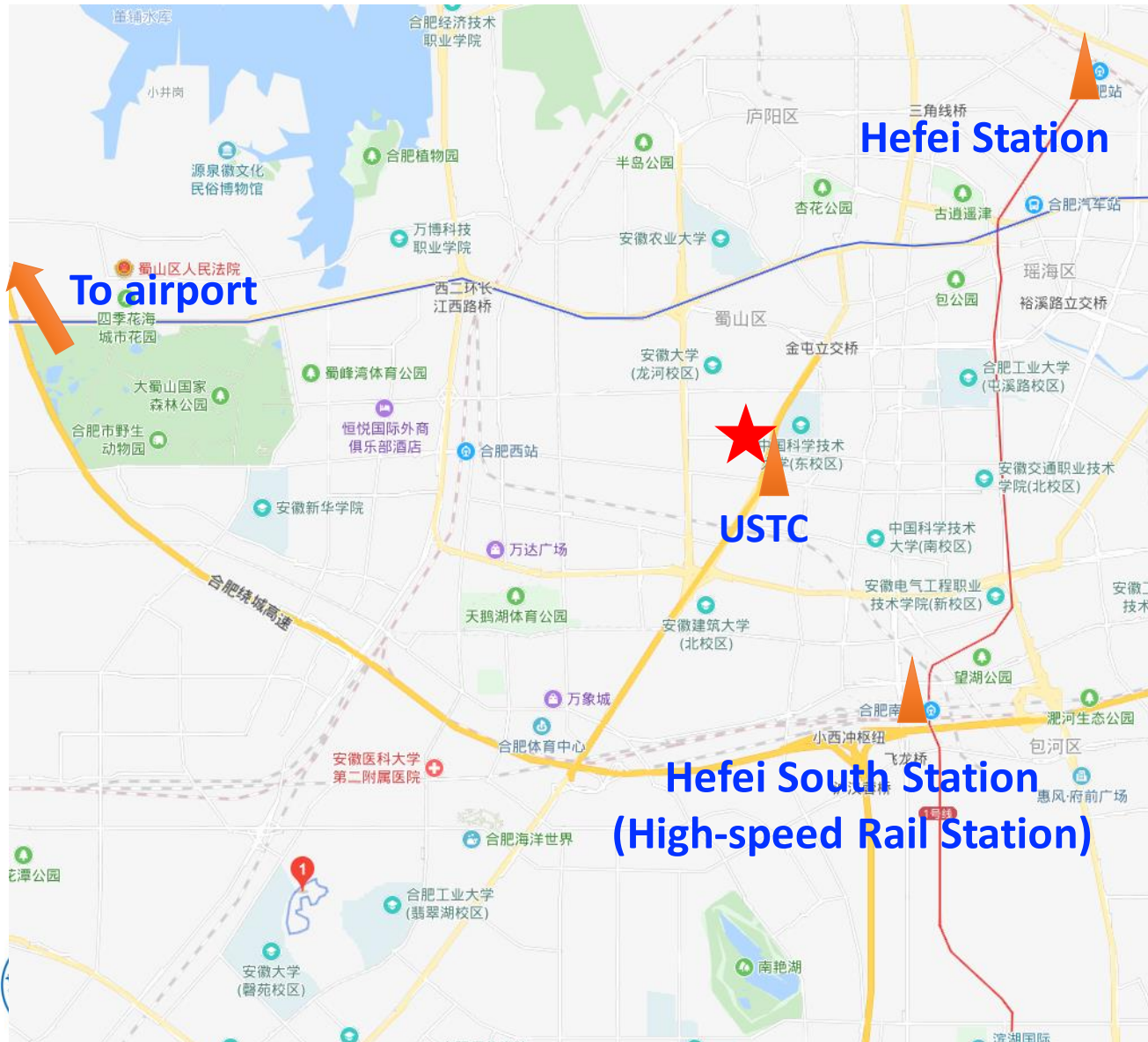


Hefei is one of the important transportation hubs in China and it provides convenient access to other cities through flights.

Taking a taxi from airport to USTC, will cost **30-40 min** and around **20 USD**.

We provide pick-up services at the airport.

Transportation Information (Trains)



Hefei is one of the important transportation hubs in China and it provides convenient access to other cities through high-speed rail.

- Beijing, 4.5 h
- Shanghai, 2.5 h

Taking a taxi from Hefei South Station to USTC, will cost **10-15 min** and around **5 USD**.

We provide pick-up services at the train station.

The proposed date(1): November, 2024

- The autumn in Hefei is clear and refreshing.

Average daily
minimum temperature

7°C

Average daily
maximum temperature

16°C

- The weather is comfortable, characterized by mostly sunny or partly cloudy days.

The proposed date(2): June, 2025

Average daily
minimum temperature

20°C

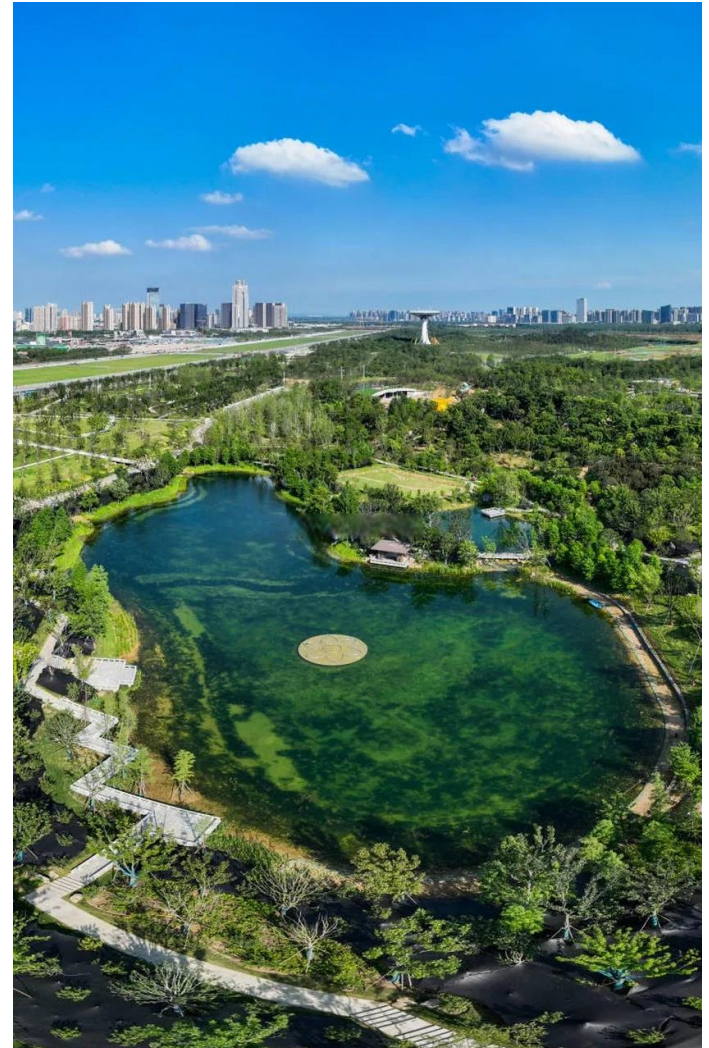
Average daily
maximum temperature

30°C

- **The weather is good, characterized by mostly sunny or partly cloudy days.**

Half-day trip

Plan A: LuoGang Central City Park
The **Biggest** city park in the world!



Half-day trip

Plan B: Anhui Museum

The **BEST** Museum in Anhui Province!



Post-Meeting Excursion: (1) The Yellow Mountain



- One of China's top ten scenic spots
- Inscribed on the UNESCO World Heritage List
- Designated as UNESCO Global Geopark

Located 300km away from Hefei, accessible by high-speed train with a travel time of approximately **2-3** hours.

Self-funded, but we can assist in contacting travel agencies



Post-Meeting Excursion: (2) Jiuhua Mountain



- One of the Four Sacred Buddhist Mountains in China
- One of the first batch of national dual heritage sites for both nature and culture
- A UNESCO World Geopark.

Located 200km away from Hefei, accessible by high-speed train with a travel time of approximately **2-3** hours.

Self-funded, but we can assist in contacting travel agencies



Conference Budget

- Participants: **200-300**
- Registration fee: **~300 USD** (covers all expenses except accommodations, including reception, banquet, coffee breaks, all meals, and commemorative gifts)
- Conference schedule: **6** days (including student day and half-day trip)
- Financial support for students and young postdoctoral (**20~30**)
 - Free Accommodation or registration fee

Conference funding support

National Natural Science Foundation of China

Key Research and Development Program of the Ministry of Science and Technology

Application of support from the Chinese Academy of Sciences

Welcome to Hefei!

