

Quantum Effects in Biological Systems

Workshop 2024

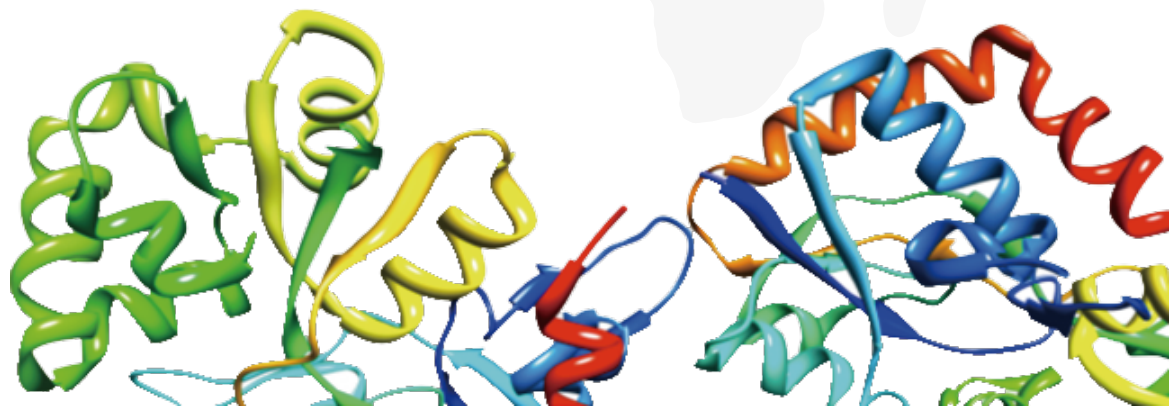
3-7 JUNE 2024

The workshop is organized by
Huazhong University of Science and Technology School of Physics.



QuEBS is an international and premier conference for researchers in the field of quantum biology to present and exchange new data and cutting-edge ideas in a highly-stimulating and non-intimidating environment. The serials of QuEBS have been successfully held over decades.

QuEBS 2024 is the 14th workshop on quantum effects in biological systems. The conference program includes a diverse range of speakers and discussion leaders from institutions and universities worldwide.



Quantum biology, an emerging and promising field, focuses on identifying quantum phenomena in biological systems and developing quantum methodology for biology. It includes but is not limited to, quantum coherent effects in photosynthetic light harvesting, radical-pair mechanism of biological magnetic sensing, tunneling effects in olfaction, and quantum simulations of biomolecular systems, etc. The research of quantum biology will involve multidisciplinary efforts, requiring the cooperation of researchers with cross-disciplinary backgrounds in physics, chemistry, biology, material sciences, and quantum information science.

QuEBS 2024 pledges to bring together top experts from various fields and to form collective forces, to address the critical questions in the field.

June 3-7, 2024 / Donghu Hotel, Wuhan, Hubei, China

	Sunday 02/06	Monday 03/06	Tuesday 04/06	Wednesday 05/06	Thursday 06/06	Friday 07/06
08:30 08:45	Registration	Registration Welcome				
		Chair:	Chair:	Chair:	Chair:	Chair:
09:00 09:45						
10:00		coffee break & group photo	coffee break			
10:30 11:15						
12:15		Lunch Break				
15:00		Chair:	Chair:	City Tour	Chair:	City Tour
15:15 16:00						
16:45		coffee break			coffee break	
17:15						
18:30	Gala dinner	Poster Session		Farewell dinner		

About Wuhan

Wuhan is the capital of Hubei Province in the People's Republic of China. It is the largest city in Hubei and the most populous city in Central China, with a population of over eleven million. It is a major transportation hub, with dozens of railways, roads, and expressways passing through the city and connecting to other major cities.

The "Golden Waterway" of the Yangtze River and the Han River traverse the urban area and divide Wuhan into the three districts of Wuchang, Hankou, and Hanyang.

Wuhan has three national development zones, four scientific and technological development parks, over 350 research institutes, 1,656 high tech enterprises, numerous enterprise incubators and investments from 230 Fortune Global 500 firms. Wuhan has nearly 200 lakes, including the East Lake of 33 kms, and Tangxun Lake, which are the largest lakes entirely within a city in China.

About HUST

Huazhong University of Science and Technology (HUST) is a comprehensive research university located in Wuhan, China under the direct supervision of the Ministry of Education. It is a participant university of the former "985" Project in China, and also one of the first universities approved under the national "Double First-Class" Initiative, China's "Excellence Initiative" for institutions of higher education.

HUST has consistently ranked among the top 10 universities in China in the major domestic and international rankings, including the Shanghai Ranking's Academic Ranking of World Universities and US News and World Report Best Global Universities Ranking.



HUST is comprised of its main campus close to East Lake and a satellite medical campus located in the central business district of Hankou across the Yangtze River. Today the university has more than 3,400 full-time teachers, including over 1,200 professors, serving approximately 55,000 full-time students. Complementing this rich academic environment is the extraordinary green landscape of HUST. Plants cover 72% of the campus, and its dense canopy explains why so many people now refer to it as the "University in the Forest."

About the Donghu hotel

The workshop will be hosted by at Donghu hotel. It was built in the early 1950s. It is located on the beautiful coast of the East Lake, with a courtyard area of 2800 Mu and a water shoreline of more than 3000 meters. It overlooks Moshan in the East and Luoja in the south. The courtyard has green trees, winding paths and natural scenery. Donghu hotel is the place where Chairman Mao Zedong stayed for 48 times. It is known as "Zhongnanhai in Hubei". Chairman Mao once called it "white clouds and yellow cranes".



The coverage rate of green plants in the hotel has reached 95%, and 77 ancient and famous trees have been confirmed by the government. It is an elegant natural oxygen bar! The room is designed as a floor glass wall which can be viewed. It is naturally blended with the outdoor landscape and pavilions. You can have a panoramic view of the scenery of lakes, mountains and forests. It is a unique luxury viewing room in Wuhan!



*The following pages include some suggestions
as to what you may like to do
in your free time or if you find yourself
in Donghu Hotel before / after the conference.*

About the Hubei Provincial Museum



Hubei Provincial Museum is one of the eight key museums sponsored jointly by the central and local governments. It has a collection of more than 230,000 cultural relics, which are mainly of three series, namely, the prehistoric series represented by Qujialing and Shijiahe, the bronzeware series represented by those from Panlongcheng, Chu State and Zeng State, the Ming-dynasty series represented by those from Liangzhuangwang, Yingjingwang Tomb and relics of Wudang.



What is more, the beautiful jade ware unearthed from Guojiamiao and Jiuliandun, the Lacquerware of Qin and Han dynasty, the bamboo slips unearthed from Guodian, Baoshan and Yunmeng and the silk in Chu period are quite distinctive too. Some cultural relics like the Chime bells and the Bronze Zunpan from the Tomb of Marquis Yi of the Zeng State, the human skull fossils from Yunxian County, the Blue and White plum vase of the four loves in Yuan Dynasty and the Wudang Golden book enjoy great reputation both home and abroad.

About the night tour of the Yangtze River



Take a night tour of Wuhan's Yangtze River main axis on the "Yangtze River Glory" ship, observe the "Yangtze River Light Show" .

Appreciate the Wuhan's historical and cultural landscapes such as Jiangnan Pass, Longwang Temple, Qingchuan Pavilion, and Huanghe Tower, appreciate the historical context of Jiangcheng, search for memories of dock culture and time, and feel the boat sailing in the river and the people swimming in the painting.



About the Han Show

The Han Show is about 2.3 kilometers away from the Donghu Hotel. "Han" means the essence of Han culture, Chu Han culture, and Wuhan culture. "Show" is transliterated from the English word "Show" and refers to a live performance. "Han Show" combines Chinese and Western elements to provide the latest interpretation of entertainment culture, inheriting the essence of Chinese Chu and Han culture while also utilizing the globally popular show culture as a form of performance.



About the Han Street

Han Street, with a total length of 1.5 kilometers, is about 2.4 kilometers away from Donghu Hotel. The main body of Han Street adopts the architectural style of the Republic of China, with the richest commercial content in China, the most fashionable and popular brands, and a collection of world-class cultural projects. With a red and gray plain brick wall, exquisite brick lines, a black painted gate, and a blue brick path, it feels like time is flowing backwards. Wanda Plaza, Madame Tussauds Wax Museum, and others are all located on Han Street. The night lights here are dazzling, and the shops and restaurants along the street are very popular.



About the Qingjiang Gallery Scenic Area



The Qingjiang Gallery Scenic Area is located within the territory of Yichang City, Hubei Province. The Qingjiang Gallery, which is 300 miles long, is surrounded by peaks and hundreds of emerald like islands, shining like green pearls. Like the misty and vast waters of the Daijiang River, with high gorges and green forests winding through secluded paths.



About the Three Gorges Dam Tourist Area



The Three Gorges Dam Tourist Area is an important component of the world's largest water conservancy project - the Three Gorges Project. This tourist area not only showcases the magnificent achievements of China's water conservancy engineering, but also provides a platform for tourists to deeply understand the history, culture, and natural scenery of the Yangtze River Basin. Here, you can witness the grandeur of the dam with your own eyes and experience the shock it brings.



Conference Commute

✈ By flight

International flight transfer via Beijing, Shanghai and Guangzhou is very convenient. There are more than 50 flights per day connecting Wuhan and Beijing, Shanghai, Guangzhou, which takes approximately 2 hours.

🚆 By train

The high-speed railway connecting Wuhan and Beijing, Shanghai, Guangzhou takes about 4~5 hours.

From Wuhan Tianhe International Airport / Wuhan Railway Station to Donghu hotel

It takes about 50 minutes from Wuhan Tianhe International Airport and 20 minutes from Wuhan High-speed Train Station to Donghu hotel.