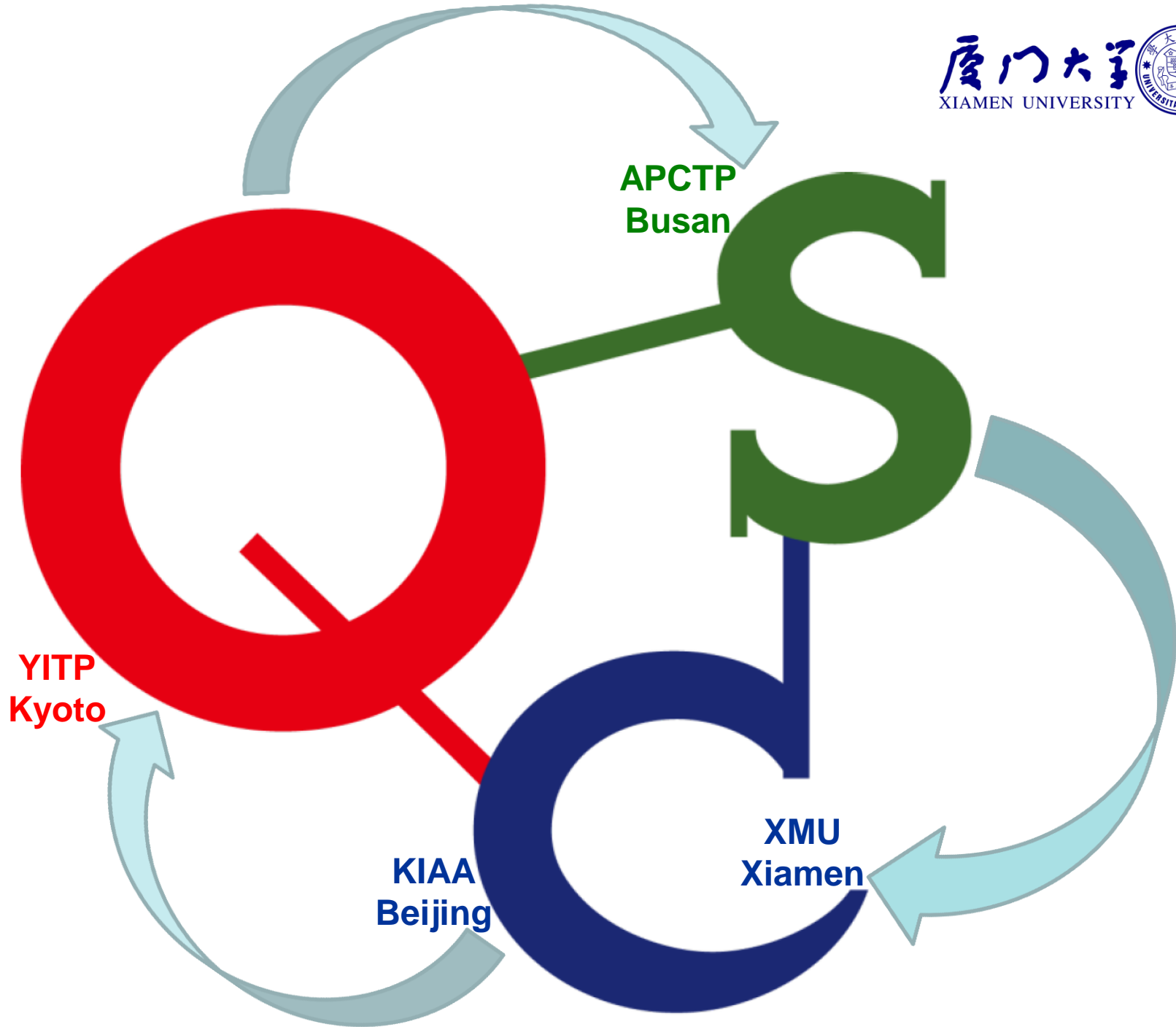


4th Quarks and Compact Stars (QCS 2021): Meeting proposal

ANG LI (*liang@xmu.edu.cn*)

RENXIN XU (*r.x.xu@pku.edu.cn*)

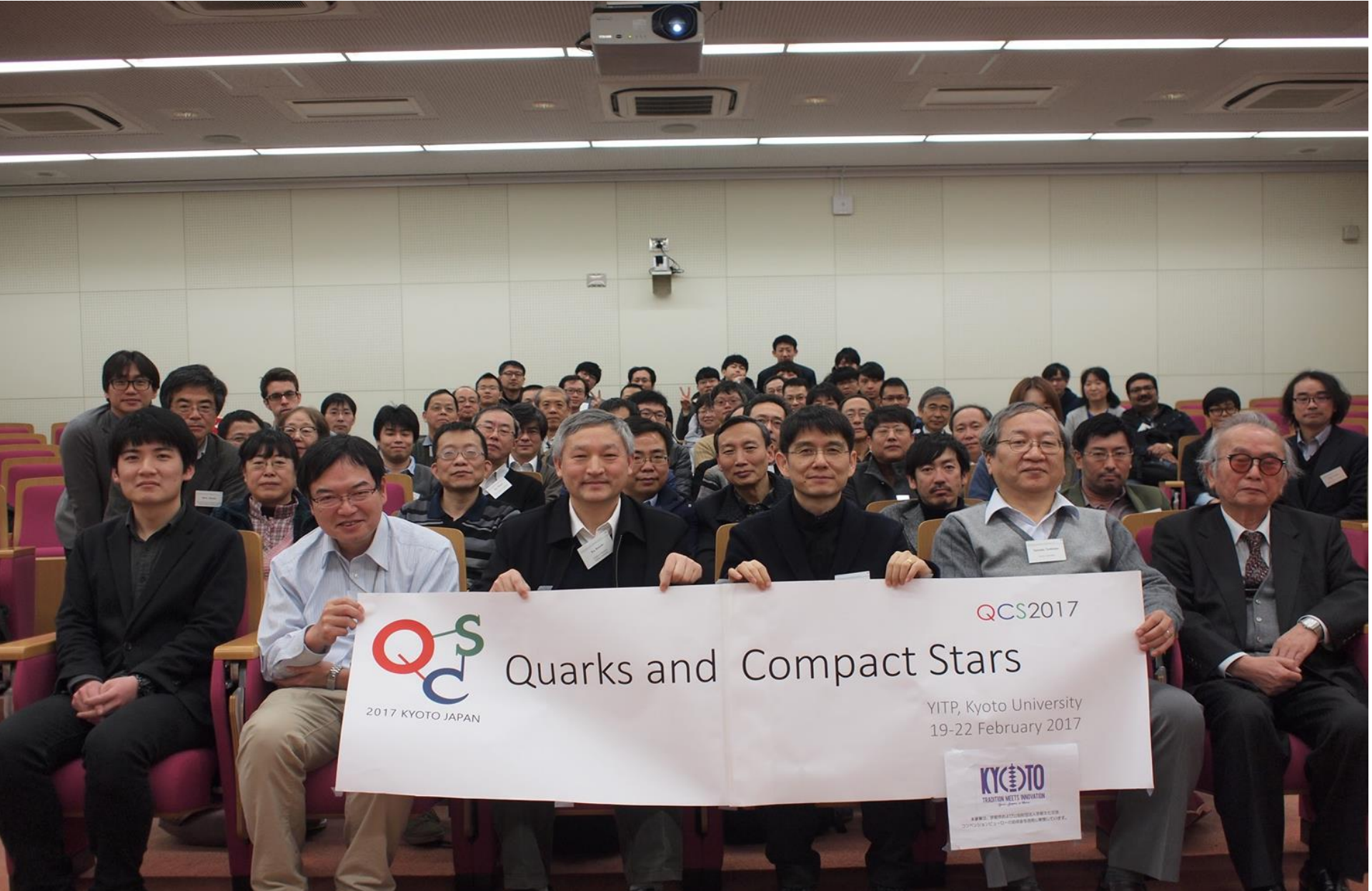


- ❑ **Ang and QCS**
- ❑ **Xiamen and the university**
- ❑ **Local organization**
- ❑ **Conference venue**

QCS2014, Beijing

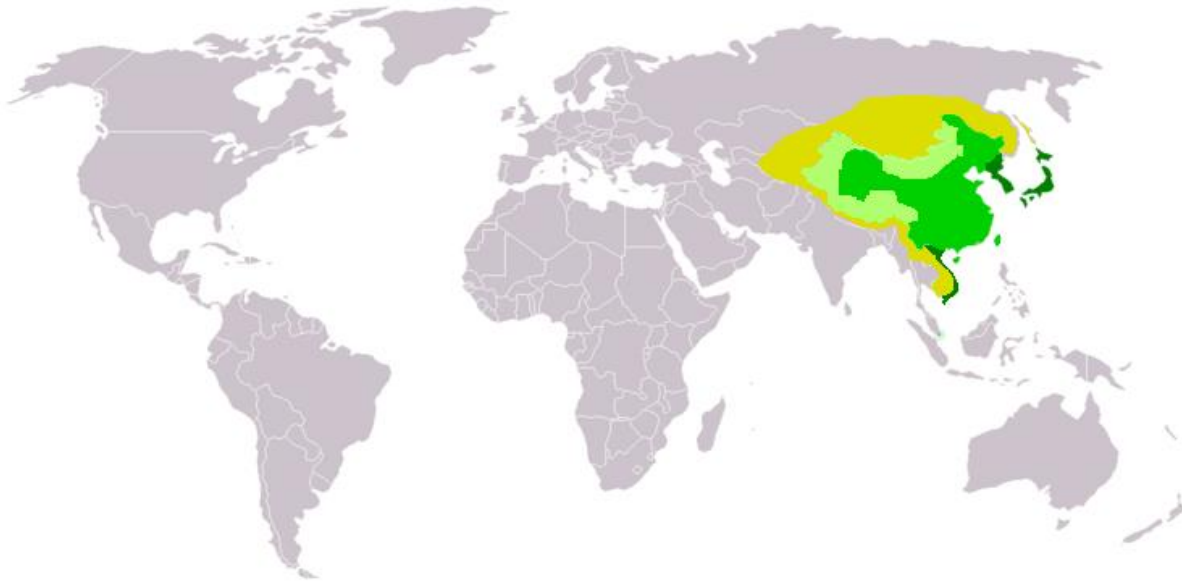
Gave a talk on quark nuggets and chaired the session "Quark stars"





QCS main goal

The main goal of QCS is to strength the researches on **quarks and compact stars**, and to foster collaborations among east **Asian countries**.



Similar culture

Similar food

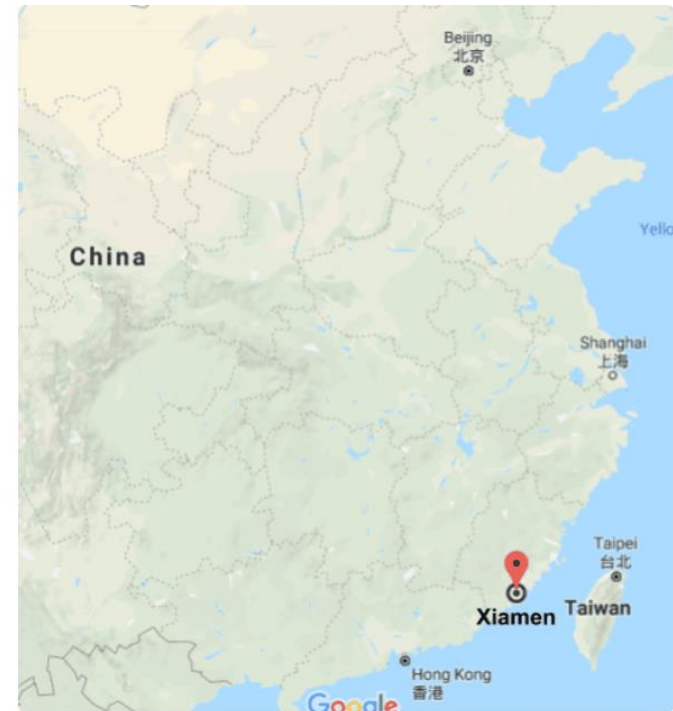
Same goal

https://zh.wikipedia.org/wiki/File:Hanzi_Wenhuaquan.png



Xiamen known as Amoy, is a major city on the southeast (台灣海峽) coast of the People's Republic of China, nicknamed the "garden on the sea" (海上花園). The city was a treaty port in the 19th century and one of the four original Special Economic Zones (經濟特區) opened to foreign investment and trade when China began economic reforms in the early 1980s. It is endowed with educational and cultural institutions supported by the overseas Chinese diaspora. In 2006, Xiamen was ranked as China's second "most suitable city for living", as well as China's "most romantic leisure city" in 2011.

<https://en.wikipedia.org/wiki/Xiamen>



Xiamen: a beautiful city
with excellent beach!



Xiamen University *the first university in China founded by overseas Chinese. Established by Mr. Tan Kah Kee (陳嘉庚) in 1921, the university was originally known as the University of Amoy. The school motto is “Pursue Excellence, Strive for Perfection”(自強不息止於至善). The university is one of many comprehensive universities directly administered by the Chinese Ministry of Education. The university is ranked 11th in China and has maintained the top 20 ranking in China. Additionally, Xiamen University is considered to be one of the most beautiful campuses in China, and is a major tourist destination in Xiamen.*

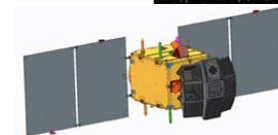
https://en.wikipedia.org/wiki/Xiamen_University



➤ Electromagnetic waves



Insight/
HXMT



Einstein
Probe

Radio

mm/sub-mm

FIR

MIR

NIR

UV

NUV

Soft X-ray

Hard X-ray

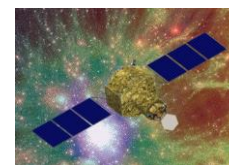
γ -ray

➤ Neutrinos

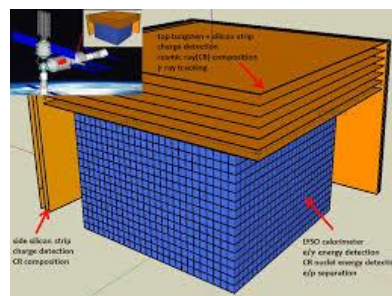
➤ Cosmic Rays

JUNO

HERD



HUBS



eXTP

➤ Galaxy Ecosystems

- Circumgalactic medium and baryonic cycle
- The life of stars: from cradle to graveyard
- Accretion: black hole growth across the mass scale
- Feedback: winds, jets and supernovae

➤ Neutron stars, dense matter, and nuclear physics

➤ GW counterparts

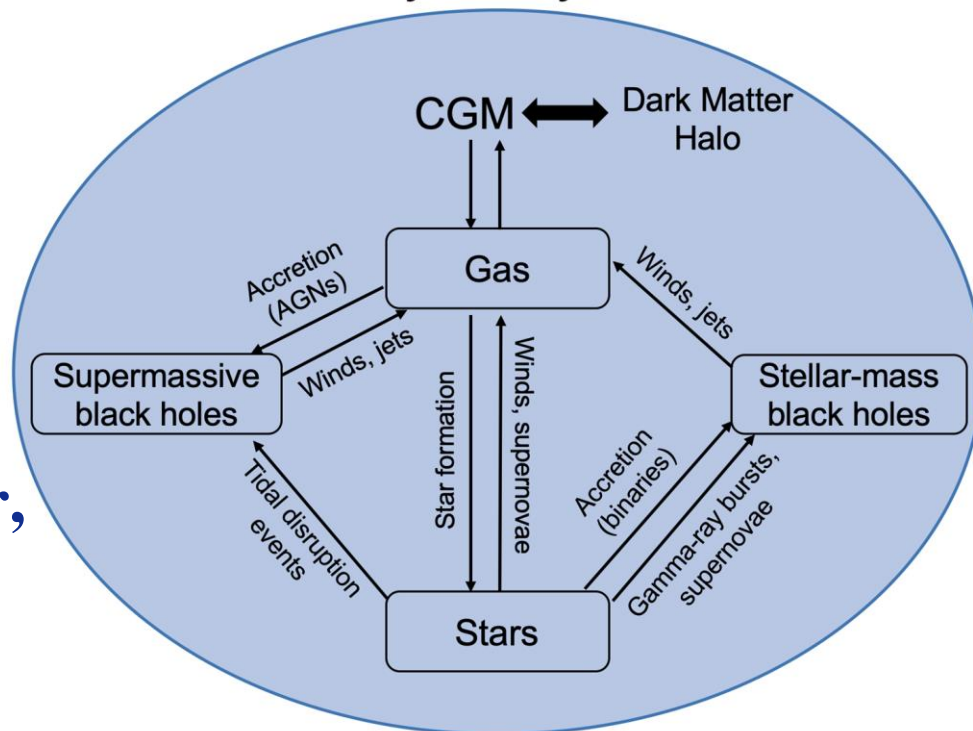
➤ Fast radio bursts

➤ Neutrino astrophysics

➤ Cosmic rays and dark matter

.....

Galaxy Ecosystems



Compact star group



1 postdoc
Neutron star theory
Neutron star structure



Neutron star theory
Binary merger simulation



Quark matter theory
GR



Neutron star
Nuclear astrophysics

3 PhD candidates

Conference Venue

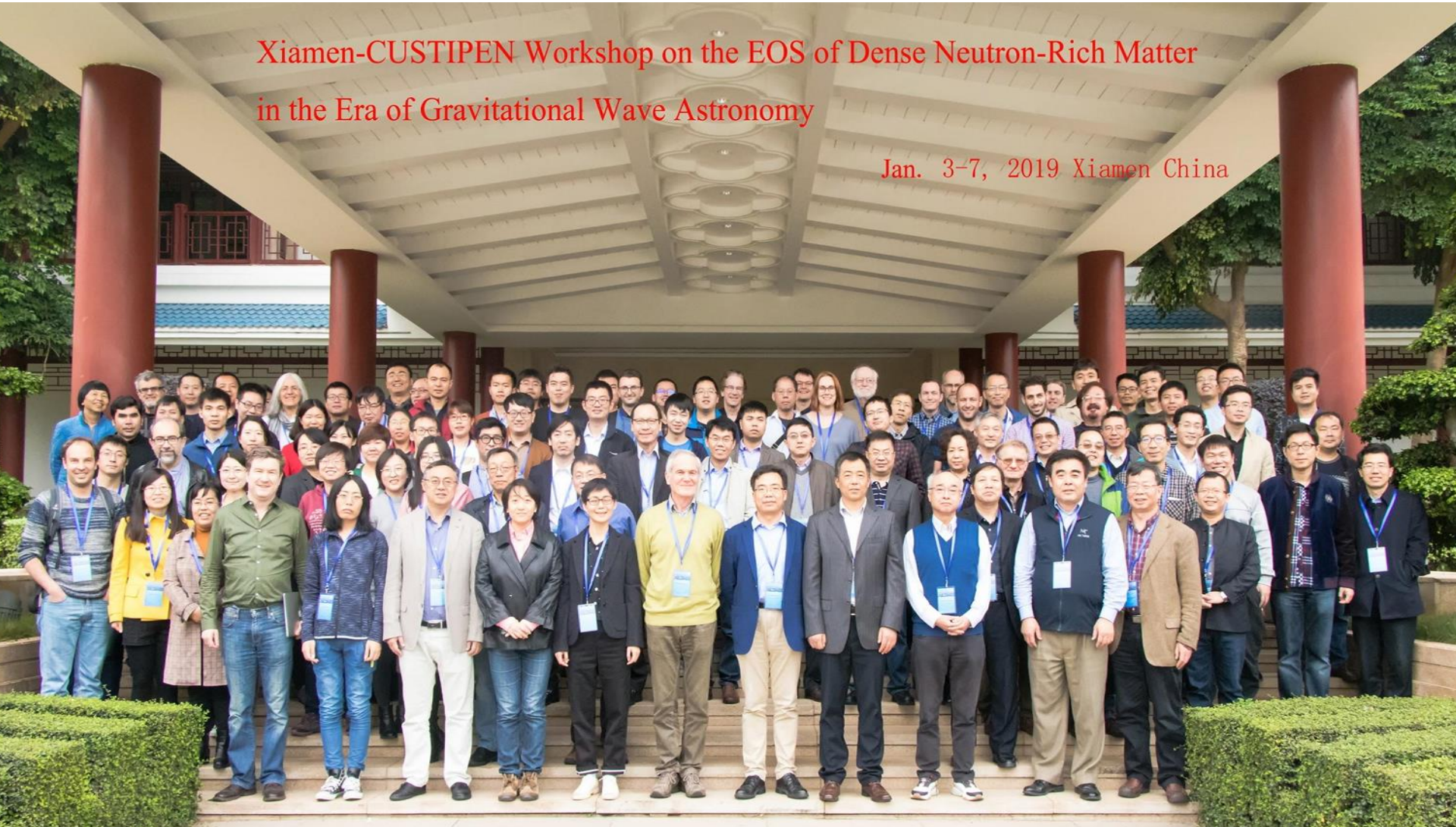
The workshop will be held at the Xiamen Aqua Resort (廈門五緣水鄉酒店), which is located within the Wuyuan Bay Wetland Park. The Aqua Resort is conveniently located near the Xiamen Gaoqi International Airport. The distance is ~ 8 km and the trip takes about 20 minutes. Delicately decorated, Aqua Resort Xiamen also offers many facilities, including swimming pool, fitness center, business center, meeting room, Chinese restaurant, western restaurant and so on.



Previous conference in the Venue

Xiamen-CUSTIPEN Workshop on the EOS of Dense Neutron-Rich Matter
in the Era of Gravitational Wave Astronomy

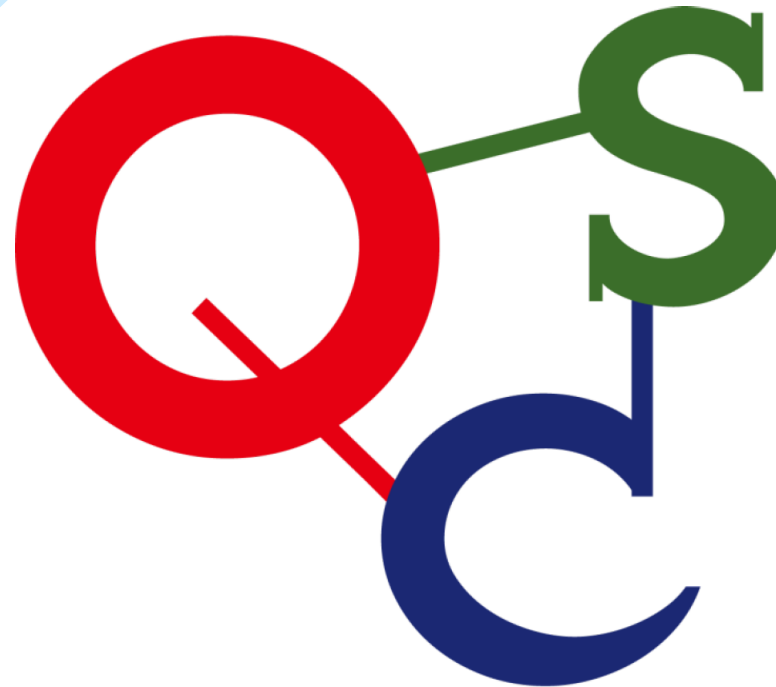
Jan. 3-7, 2019 Xiamen China



Previous conference in the Venue



Thank you and Welcome to Xiamen!



2021 XIAMEN CHINA