

# Opening Address

Yosuke Mizuno  
on behalf of SOC



## Mini-workshop of Relativistic Jets and Related High-Energy Phenomena

1-3 March 2021, Tsung-Dao Lee Institute

### TOPICS:

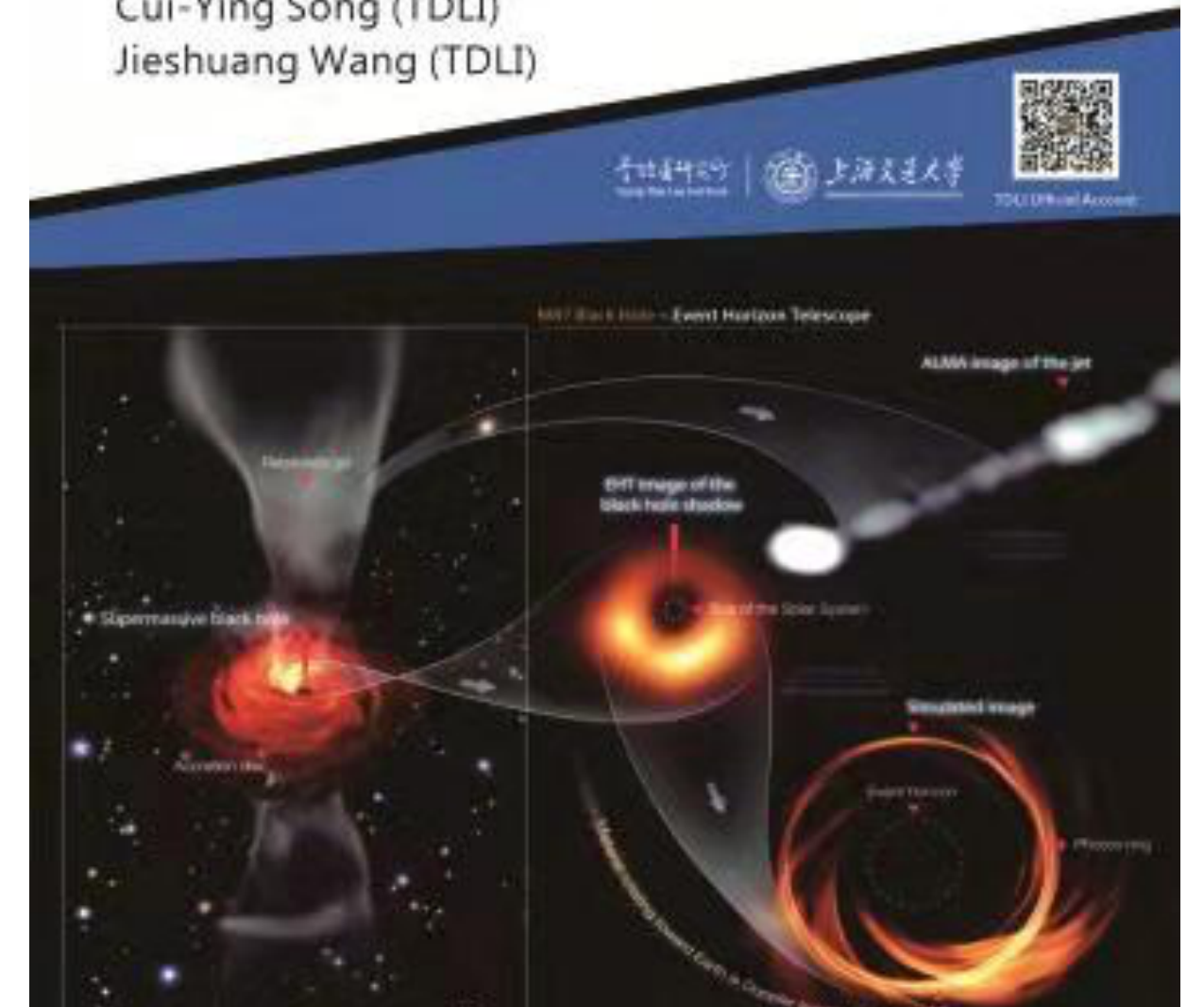
Jet launching GRMHD simulations  
Jet stability and variability  
Jet energetics : heating, dissipation, feedback  
Emission and Polarization  
observed and simulated-Particle Acceleration  
Mechanisms  
Essential observational inputs for theory

### SOC:

Yosuke Mizuno (TDLI)  
Feng Yuan (SHAO)

### LOC:

Yosuke Mizuno (TDLI, Chair)  
Jinghua Shi (TDLI)  
Cui-Ying Song (TDLI)  
Jieshuang Wang (TDLI)



# Welcome TDLI

- Tsung-Dao Lee Institute is newly established natural research institute. Funding director: Frank Wilczek
- Shanghai Jiao Tong University is the contractor and trustee of TDLI and is in charge of the operation of TDLI.
- In this year, we move to new institute building located in Shanghai Zhangjiang Science City.



# Workshop Topics

- This is hybrid (on-site + virtual) workshop
- In this work we discuss following topics:
  - Jet launching GRMHD simulations
  - Jet stability and variability
  - Jet energetics : heating, dissipation, feedback
  - Emission and Polarization - observed and simulated
  - Particle Acceleration Mechanisms
  - Essential observational inputs for theory

# Presentations

- 16 contribution talks + 1 astro seminar (Mar.3rd)
- Contribution talk is 25min talk + 5min discussion
- We have group discussion time in each days
- **Presenter:** please login Zoom and start screen sharing
- Presentation will be recorded and uploaded
- We collect presentations then upload the workshop website

# Goal of Workshop

- Both of theorists and observers gather together and discuss new progresses and problems and get new hints of our own researches.
- Would like to make a future collaboration work
- So lets actively discuss various things and enjoy the workshop

# Logistics

- Registration Desk get workshop package
- Lunch coupons can use in Canteen No.1 2F
- Workshop dinner: Mar. 1st 6pm~, Academic Activity Exchange Center