



Black Hole Astrophysics with VLBI: Multi-Wavelength and Multi-Messenger Era

**2021 January 18(Mon)-20(Wed)
Institute for Cosmic Ray Research,
the University of Tokyo (Kashiwa/On-line)**

Sessions

- MWL and Multi-Messenger Study on AGNs (1) & (2)
- Physics of Relativistic Jets
- Accretion Flow and Jet from Kinetic-Plasma to MHD Scale
- Polarimetric Study of AGNs
- Transient Events with VLBI
- Future Facilities for VLBI, MWL, Multi-Messenger Science
- Highly Accreting Compact Objects

<http://www.icrr.u-tokyo.ac.jp/hea/conference210118.html>

- Please try to keep the schedule
Oral talks: (Invited/Contributed/Poster 30/15/3min)
- Please use your hand up tool when you ask questions
- If possible, please turn on your camera during your talk
- Please test your screen share before your talk
- Poster session @ Slack
 - *Please upload your poster and talk slides to Slack
- General information is summarized in Slack

Photo Session

Jan. 19 (Tue.)

Session 4: Accretion Flow and Jet from Kinetic-Plasma to MHD Scale

Chair: T. Kawashima

- 9:00 - 9:40
I. Cho (KASI)
"EAVN observation of Sgr A*"
- 9:40 - 10:20
M. Machida (NAOJ)
"3D MHD simulation to reveal angular momentum transport in an accretion disk"
- 10:20 - 10:35
Coffee break
- 10:35 - 11:15
M. Hoshino (Tokyo)
"PIC simulations of particle acceleration and plasma heating in accretion flows"
- 11:15 - 11:35
S. S. Kimura (Tohoku)
"Particle acceleration simulations in hot accretion flows"
- 11:35 - 11:55
T. Ohmura (Kyushu)
"Two-temperature MHD simulations of extragalactic Jets"
- 11:55 - 13:35
Lunch (Photo Session)

Session 5: Polarimetric Study of AGNs

Chair: M. Machida

- 13:35 - 14:15
J. Park (ASIAA)
"Prospect of polarization observations of M87 with the EHT and jet collimation and acceleration in the giant radio galaxy NGC 315"
- 14:15 - 14:55
S. Trippe (SNU)
"Jets, shocks, and magnetic fields: systematic studies of AGN polarization with KVN"

Please enjoy the workshop!

screen-share test

welcome