

1

Thursday, 30 June 2022 - Friday, 1 July 2022

SNU Siheung campus Convention center

Scientific Program

Program

First Day (2022 June 30)

9:30 – 10:00 Registration

Chair: Kyoung-Sun Lee

10:00 – 10:10 Opening Remarks (ARC Director)

10:10 – 10:45 Team of Prof. Ishiguro

Ishiguro (12min): Solar System Research

Sunho Jin (13min): The activity of team Ishiguro on instrumentation work

Questions and Discussion (10min)

10:45 – 11:20 Team of Prof. Chae

Chae (12min): Detection of Alfvénic Waves in the Solar Chromosphere Using FISS

Hannah Kwak (13min): Spectroscopic detection of Alfvénic waves in the chromospheric fibrils of a solar quiet region

Questions and Discussion (10min)

11:20 - 11:55 Team of Prof. Yoon

Yoon (12min):

Moo-Keon Jung (13min): Effects of Winds on the Optical Properties of Type Ib and Ic Supernova Progenitors

Questions and Discussion (10min)

11:55 - 14:00 Lunch

Chair: Yusuke Aso

14:00 – 14:35 Team of Prof. LeeH

LeeH (12min): Gravitational Wave Research at SNU

Elahe Khalouei (13min): electromagnetic follow up of gravitational wave

Questions and Discussion (10min)

14:35 – 15:10 Team of Prof. Im

Im (12min): From Gravitational-wave to High Redshift Quasars and Galaxies

Ji Hoon Kim (13min): Introduction to 7DT/7DS : Overview of the Science Goals and the Facility

Questions and Discussion (10min)

15:10 – 15:45 Team of Prof. Im

Seong-Kook Lee (13min): Study of galaxy evolution: quasars and galaxy clusters

Gregory S.H. Paek (13min): Transient Astronomy in SNU ARC: Hunting for Supernovae and GW EM Counterparts
Questions and Discussion (9min)

15:45 - 16:00 Break

Chair: Kang Hwan Lee

16:00 – 16:35 Team of Prof. KimJH
KimJH (12min): Lab Intro-- Computational Cosmology
Seungjae Lee (13min): Modeling the growth of massive black hole via tidal disruption events
Questions and Discussion (10min)

16:35 – 17:10 Team of Prof. KimW
KimW (12min):
DaJeong Jang (13min): Bar formation in disc galaxies
Questions and Discussion (10min)

17:10 – 17:45 Team of Prof. Kwon
Kwon (12min): Magnetic fields and circumstellar structures in star formation
Youngwoo Choi (13min): The JCMT BISTRO Survey : The Magnetic Fields of the IC 348 Star-Forming Region
Questions and Discussion (10min)

18:00 - 20:00 Dinner

Second Day (2022 July 1)

08:00 - 09:00 Breakfast

Chair: Seong-Kook Lee

09:00 – 09:35 Team of Prof. LeeM
LeeM (12min): Discovery and Measuring the Universe
Jeong Hwan Lee (13min): The Relationship between the Star Formation Activity of Jellyfish Galaxies with Host Cluster Properties
Questions and Discussion (10min)

09:35 – 10:10 Team of Prof. Hwang
Hwang (12min): Our Research on Extragalactic Astronomy and Cosmology
Dongkok Kim (13 min): Instrumentation and Science for A-SPEC : metrology system and mock data
Questions and Discussion (10min)

10:10 - 10:25 Break

Chair: Ji Hoon Kim

10:25 – 11:00 Team of Prof. Woo

Woo (12min): SNU AGN Monitoring Project

Changseok Kim (13min): AGN-driven outflow kinematics and its connection to star formation in host galaxy

Questions and Discussion (10min)

11:00 – 11:25 Team of Prof. Trippe

Minchul Kam (20 min): Polarization observations of parsec-scale AGN jets at mm and sub-mm wavelengths

Questions and Discussion (5min)

11:25 - 11:55 Summary and Prospect (Myung Gyoon Lee)

11:55 - 12:00 Closing Remarks (ARC director)