

한국천문학회보

THE BULLETIN OF THE KOREAN ASTRONOMICAL SOCIETY



KASI is leading
at the forefront of
Korean lunar science
and exploration

다누리
Korea Pathfinder Lunar Orbiter

PolCam
Wide-angle
Polarimetric Camera

GrainCams
Light-field Camera for Regolith Grains



LUSEM Lunar Surface Environment Monitor
달 앞면 Kallier Gamma Swin 작동 예정 (2024년)



LSMAG
Lunar Surface Magnetometer



LVRAD
Lunar Vehicle Radiation Dosimeter



CLPS



Commercial Lunar Payload Services
<http://daloservice.kr>
Discovery Across Lunar Observations



LUSEM GrainCams LSMAG LVRAD



한국천문학회

THE KOREAN ASTRONOMICAL SOCIETY

목 차

<2022년도 가을 학술대회 학술발표 일정 및 발표논문 초록>

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표지사진:

한국천문연구원은 한국형 시험용 달 궤도선 다누리(KPL0)에 실린 광시야 편광 카메라(PolCam)를 운용 중이며, NASA의 CLPS 착륙선에 탑재할 달 과학 탑재체 4종을 개발하고 있습니다.(LUSEM, 달 우주환경 모니터; LVRAD, 달 표면 우주방사선 측정기; LSMAG, 달 표면 자기장 측정기; GrainCams, 달 표토 3차원 영상카메라).

DALO(Discovery Across Lunar Observations)는 천문연의 달 과학/탐사 활동을 총칭하는 이름입니다. 한국천문연구원은 오늘도 과학적 호기심을 가득 안고 DALO 한발 더 다가갑니다.

2022년 가을 제106차 한국천문학회 학술대회 등록 안내

1. 학술대회 개요

- (1) 일시 : 2022년 10월 12일 (수) ~ 10월 14일 (금)
- (2) 장소 : 라한셀렉트 경주
 - 구두 발표 : 컨벤션 B1층
 - 포스터발표 : 컨벤션 B1층 로비

2. 등록

(1) 등록비

정회원(일반) : 200,000원 / 정회원(학생)이하 : 150,000원 / 비회원 : 250,000원

(2) 연회비

연회비를 미납하신 회원은 아래 계좌로 송금하시거나 학회 당일 등록 장소에서 납부해 주십시오.
은행계좌로 송금할 때 반드시 성함을 기재하여 주시기 바랍니다.

정회원(일반) : 70,000원 / 정회원(학생) : 30,000원 / 준회원 : 30,000원

회장 : 500,000원 / 부회장 : 300,000원 / 이사 : 150,000원

※ 송금계좌: 468-25-0008-338 (국민은행) 예금주 : 사)한국천문학회

※ 최근 2년간 연회비를 납부하지 않은 회원에게는 총회에서 투표권이 제한됩니다.

3. 회원 가입

회원가입을 원하시는 분은 등록장소에 비치되어 있는 입회원서를 작성하여 입회비와 함께 제출하시면 됩니다. [입회비: 정회원(10,000원)]



Membership Application Form of the Korean Astronomical Society

Membership No. (※For Office Use)				Approved Date (※For Office Use)				
Name				Nationality				
Institution								
Date of Birth	(yyyy-mm-dd)			Gender	M() F()			
Phone (Office)			Fax (Office)			e-mail		
Highest Degree Earned	Bachelor	()		Master	()		PhD	()
	(Institution Degree Obtained From)						(Date Received)	
	(For Student)	Bachelor course()		Master course()		PhD Course()		
Areas of Primary Interest	<input type="checkbox"/>	광학천문분과 / Division of UV/Optical/IR Astronomy						
	<input type="checkbox"/>	우주전파분과 / Space Warfare Division						
	<input type="checkbox"/>	태양우주환경분과 / Solar and Space Physics Division						
	<input type="checkbox"/>	행성계과학분과 / Planetary Science Division						
	<input type="checkbox"/>	여성분과 / Women's Division						
	<input type="checkbox"/>	한국젊은천문학자모임 / Young Astronomy Meeting						
	<input type="checkbox"/>	천문관측기기분과 / Astronomical Instrumentation Division						
KAS Code of Ethics	<input type="checkbox"/>	I have read and abide by the KAS code of Ethics						
<p>I would like to become a member of the Korea Astronomy Society(KAS) and I agree to abide by the rules and regulations of the KAS.</p> <p style="text-align: center;">Date : _____(yyyy-mm-dd)</p> <p style="text-align: center;">Signature : _____</p> <p>Recommender(signatures from TWO recommenders)¹⁾</p> <p>Affiliation _____ Name _____ Signature _____</p> <p>Affiliation _____ Name _____ Signature _____</p>								

1) Qualifications of a Recommender :

- assistant professor, associate professor, full professor or
- senior researcher, principal researcher or
- full member of the KAS for 10 years

위치 및 교통 안내

	KTX 신경주역	택시 35분 내외, 약 25,000원 버스 700 (1시간 내외)
	경주역	택시 20분 내외, 약 9,600원 버스 경주우체국 정류장에서 10, 16, 18, 100-1, 150-1, 700 (30분 내외)
	서경주역	택시 20분 내외, 약 12,000원

한국천문학회 모임 안내

- ◆ [Luncheon Seminar] 연구자와 함께하는 NRF 기초연구사업 간담회
 - 1) 일 시 : 2022년 10월 13일 11시 40분
 - 2) 장 소 : 제1발표장

- ◆ 여성분과 정기총회 개최
 - 1) 일 시 : 2022년 10월 13일 13시 10분
 - 2) 장 소 : 제2발표장

- ◆ 태양우주환경분과 정기총회 개최
 - 1) 일 시 : 2022년 10월 13일 13시 10분
 - 2) 장 소 : 제3발표장

2022 KAS Fall Meeting 10. 12 ~ 10. 14

2022 KAS Fall Meeting 10. 12

12:30~ 13:40	등록					
13:40~ 14:20	Invited Talk 1 Thiem Hoang [좌장: Dongsu Ryu]					
14:20~ 14:40	휴식시간					
발표장	제1발표장 (컨벤션A)		제2발표장 (컨벤션B)		제3발표장 (컨벤션C)	
시간표	[특] K-GMT 1 [좌장: Yun-Kyeong Sheen]		Cosmology 1 [좌장: Myoungwon Jeon]		High energy astronomy / Theoretical astronomy [좌장: Jinho Kim]	
14:40~ 14:55	구KGMT-01	Hee-Jae Lee	구CD-01	David Parkinson	구HT-01	Ayan Bhattacharjee
14:55~ 15:10	구KGMT-02	Miji Jeong	구CD-02	Dongak Park	구HT-02	Jongho Park
15:10~ 15:25	구KGMT-03	Jeong Hwan Lee	구CD-03	Benedict K. W. Bahr-Kalus	석HT-03	Minju Sim
15:25~ 15:40	구KGMT-04	Jaewon Yoo	구CD-04	Michaël Michaux	구HT-04	Mankeun Jeong
15:40~ 15:55	구KGMT-05	Hong Soo Park	구CD-05	Sumi Kim		
15:55~ 16:10	구KGMT-06	Minjin Kim	구CD-06	Jeongin Moon		
16:10~ 16:30	휴식시간					
시간표	[특] K-GMT 2 [좌장: Soung-Chul Yang]		Cosmology 2 [좌장: Sungwook E. Hong]		Astronomy & Space Science Technologies [좌장: Sung-Joon Park]	
16:30~ 16:45	구KGMT-07	Ji Yeon Seok Soung-Chul Yang (20')	구CD-07	Fei Qin	구AT-01	Woong-Seob Jeong
16:45~ 17:00	preparation(5')		구CD-08	Miguel Icaza-Lizaola	구AT-02	Ji Hoon Kim
17:00~ 17:15	Discussion(65')		구CD-09	Bomee Lee	구AT-03	Gayoung Lee
17:15~ 17:30			구CD-10	Sangjun Cha	구AT-04	Yunjong Kim
17:30~ 17:45			구CD-11	Se Yeon Hwang		
17:45~ 18:00						

2022 KAS Fall Meeting 10. 12 ~ 10. 14

2022 KAS Fall Meeting 10. 13

09:20~10:00	Invited Talk 2 Seung-Urn Choe [좌장: Hong-Jin Yang]							
10:00~10:10	휴식시간							
발표장	제1발표장 (컨벤션A)		제2발표장 (컨벤션B)		제3발표장 (컨벤션C)			
시간표	[특] LSB Science [좌장: Myungkook Jee]		High-redshift Galaxies / Active Galactic Nuclei [좌장: Hyunjin Shim]		Historical astronomy / Ephemerides [좌장: Hong-Jin Yang]			
10:10~10:25	구LSB-01	Jongwan Ko (10')	박GC-17	Eunchong Kim	구HE-01	Hyojun Lee		
10:25~10:40	구LSB-02	Woowon Byun (10')			구HE-02	Seung-Urn Choe		
	구LSB-03	Kwang-Il Seon (10')						
10:40~10:55	구LSB-04	Kyungwon Chun (10')	구GC-18	Jae Eun Kim				
10:55~11:10	구LSB-05	Eun-Jin Shin (10')	구GC-19	Hojin Cho				
	구LSB-06	Juhan Kim (10')						
11:10~11:25	구LSB-07	Hyungjin Joo (10')	구GC-20	Changseok Kim				
	구LSB-08	Myungkook Jee (10')						
11:25~11:40	Discussion (10')		구GC-21	Shu Wang				
11:40~13:10	점심시간 [Luncheon Seminar] 연구자와 함께하는 NRF 기초연구사업 간담회(제1발표장)							
13:10~14:00	포스터발표 및 분과회의							
	광학천문분과 총회		여성분과 총회		태양우주환경분과 총회			
시간표	Galaxy Clusters 1 [좌장: Jae-Woo Kim]		Stellar Astrophysics / Stars / Star Clusters [좌장: Jae-Joon Lee]		Astronomy Outreach and Education [좌장: Jeong Ae Lee]			
14:00~14:15	박GC-01	Jaewon Yoo	구SA-01	Moo-Keon Jung	석AE-01	HyunSeok Lee		
14:15~14:30			구SA-02	Beomdu Lim	구AE-02	In-Ok Song		
14:30~14:45	구GC-02	Insu Paek	석SA-03	Jang-Ho Lim	구AE-03	Hyunjin Shim		
14:45~15:00	구GC-03	Jubee Sohn	구SA-04	Chun-Hwey Kim				
15:00~15:15	구GC-04	Brian S. Cho						
15:15~15:30	구GC-05	Jang Ho Bae						
15:30~15:50	사진촬영 및 휴식							
15:50~16:20	개회식 및 시상							
16:20~17:00	Invited Talk 3 Hyesung Kang [좌장: Byeong-Gon Park]							
17:00~18:30	정기총회							
18:30	만찬							

2022 KAS Fall Meeting 10. 12 ~ 10. 14

2022 KAS Fall Meeting 10. 14

09:20~ 10:00	Invited Talk 4 : Ena Choi [좌장: Sukyoung K. Yi]					
10:00~ 10:40	Invited Talk 5 : Maria Madjarska [좌장: Hannah Kwak]					
10:40~ 11:00	휴식시간					
발표장	제1발표장 (컨벤션A)		제2발표장 (컨벤션B)		제3발표장 (컨벤션C)	
시간표	Galaxy Clusters 2 / Galaxy Evolution [좌장: Jongwan Ko]		Sun and Space Environment [좌장: Su-Chan Bong]		Interstellar Matter [좌장: Hyeong-Sik Yun]	
11:00~ 11:15	구GC-06	Hyowon Kim	구SS-01	Gwangsun Choe	구IM-01	Suhyeon Choe
11:15~ 11:30	구GC-07	Seong-Kook Lee	구SS-02	Jongchul Chae	구IM-02	Geumsook Park
11:30~ 11:45	구GC-08	Eunsuk Seo	구SS-03	Hyeonock Na	구IM-03	Gyueun Park
11:45~ 12:00	구GC-09	Minsu Kim	구SS-04	Il-Hyun Cho	구IM-04	Jihye Hwang
12:00~ 12:15	구GC-10	Dajeong Jang	구SS-05	Jihyeon Son		
12:15~ 12:30	구GC-11	Panomporn Poojon	구SS-06	Kangwoo Yi		
12:30~ 13:30	점심시간					
시간표	Galaxy Simulations / Gravitational Waves [좌장: Hyunmi Song]		Solar System [좌장: Chae Kyung Sim]		Solar Formation [좌장: Giseon Baek]	
13:30~ 13:45	구GC-12	So-Myoung Park	구SS-07	Yeon Joo Lee	구IM-05	Sung-Yong Yoon
13:45~ 14:00	구GC-13	Tae-Yong Lee	구SS-08	Ho Jin	구IM-06	Jaeyeong Kim
14:00~ 14:15	구GC-14	Garreth Martin	구SS-09	Joo Hyeon Kim	구IM-07	Ilseung Han
14:15~ 14:30	구GC-15	Gregory S.H. Paek	구SS-10	Kilho Baek		
14:30~ 14:45	구GC-16	Kyungmin Kim				
14:50~ 15:00	우수포스터상 시상 및 폐회					

2022 KAS Fall Meeting 10. 12 ~ 10. 14

Schedule of Poster Session 10. 12 ~ 14

poster size : A0

분야	번호	이름	분야	번호	이름
교육홍보, 기타	PAE-01	Tae Hyun Kim	외부은하/ 은하단	PGC-01	Yeonsik Kim
	PAE-02	Sung-Ho An		PGC-02	Won-Hyeong Lee
	PAE-03	Da Jeong Jang		PGC-03	Ji-Woo Kim
	PAE-04	Yeong-Bok Bae		PGC-04	Sungsoon Lim
성간물질/ 별생성/ 우리은하	PIM-01	Cheonsu Kang		PGC-05	MinGyu Ryu
	PIM-02	Il Joong Kim		PGC-06	Youngbin Shin
	PIM-03	Gia Bao Truong Le		PGC-07	So Yeon Yeo
	PIM-04	Nguyen Chau Giang		PGC-08	Myoung-Seok Nam
	PIM-05	Akshaya Subbanna		PGC-09	Jeong-Sun Hwang
우주론/암흑물질 암흑에너지	PCD-01	Hyosun Park		PGC-10	Bomi Park
천문우주 관측기술	PAT-01	Chan Park		PGC-11	Ji Won Son
	PAT-02	Hongjae Moon		PGC-12	Dongseob Lee
	PAT-03	Changgon Kim		PGC-13	Li Shan
	PAT-04	Hyeon Woo Moon	태양 우주환경	PSS-01	Heesu Yang
항성, 항성계/ 외계행성	PSA-01	Yun-A Jo		PSS-02	Soo-Sang Kang
	PSA-02	Jae-Joon Lee		PSS-03	Jin Hye Park
	PSA-03	Seo-Won Chang		PSS-04	Harim Lee
	PSA-04	Jae Woo Lee		PSS-05	Kyeore Lee
	PSA-05	Sang-Hyun Chun		태양계	PSS-06
	PSA-06	Bon-Chul Koo			

제1발표장 첫째날 : 10월 12일 (수)

12:30~13:40

등록

초청강연 1

좌장 : Dongsu Ryu(류동수)[UNIST]

13:40~14:20 초 IT-01

New Frontiers in Dust Astrophysics

Thiem Hoang[KASI/UST]

14:20~14:40 휴식시간

[특] K-GMT 1

좌장 : Yun-Kyeong Sheen(신윤경)[KASI]

14:40~14:55 구KGMT-01

Inhomogeneity on the surface of the potentially hazardous asteroid (99942) Apophis

Hee-Jae Lee(이희재), Myung-Jin Kim(김명진)[KASI], Yeon-Joo Lee(이연주)[IBS],

Dong-Heun Kim(김동훈)[KASI/CBNU], Hong-Kyu Moon(문홍규),

Young-Jun Choi(최영준)[KASI/UST]

14:55~15:10 구KGMT-02

High-resolution Spectroscopic Analysis of Dynamically Associated Metal-Poor (DAMP) Stars with GEMINI/GRACES

Miji Jeong(정미지)[CNU], Young Sun Lee(이영선)[CNU/University of Notre Dame],

Young Kwang Kim(김영광)[CNU]

15:10~15:25 구KGMT-03

Exploring the Star Formation Activity of Jellyfish Galaxies in Massive Clusters with Gemini GMOS/IFU Observations

Jeong Hwan Lee(이정환), Myung Gyoon Lee(이명균)[SNU],

Jae Yeon Mun(문재연)[Australian National University], Brian S. Cho, Jisu Kang(강지수)[SNU]

15:25~15:40 구KGMT-04

Low Surface Brightness Science using Gemini Telescope: Intracluster Light Properties in a Fossil Cluster at $z=0.47$

Jaewon Yoo(유재원)[KIAS/KASI], Jongwan Ko(고종완)[KASI/UST], Jae-Woo Kim(김재우)[KASI],

Hyowon Kim(김효원)[KASI/UST]

15:40~15:55 구KGMT-05

ToO Spectroscopic Follow-up of Infant Supernovae and Peculiar Transients Discovered by the KMTNet Supernova Program

Hong Soo Park(박홍수)[KASI/UST], Dae-Sik Moon(문대식)[University of Toronto],

Sang Chul Kim(김상철)[KASI/UST], Youngdae Lee(이영대)[CNU], Zihey Shin(신지혜)[KASI/UST]

15:55~16:10 구KGMT-06

Follow-up Observations of Tidal Disruption Events

Minjin Kim(김민진), Suyeon Son(손수연)[KNU], Francesca Onori[INAF],

Luis C. Ho[Kavli Institute/Peking University], Dohyeong Kim(김도형)[PNU], Taehyun Kim(김태현)[KHU]

16:10~16:30 휴식시간

[특] K-GMT 2

좌장 : Soung-Chul Yang(양성철)[KASI]

16:30~16:50 구KGMT-07

2021-2022 K-GMT Science Program Korea-Gemini Office (KGO) Report

Ji Yeon Seok(석지연), Soung-Chul Yang(양성철), Yun-Kyung Sheen(신윤경), Eunchong Kim(김은총)[KASI]

16:50~18:00 Discussion

제2발표장 첫째날 : 10월 12일 (수)

12:30~13:40

등록

초청강연 1 (제1발표장)

좌장 : Dongsu Ryu(류동수)[UNIST]

13:40~14:20 초 IT-01

New Frontiers in Dust Astrophysics

Thiem Hoang[KASI/UST]

14:20~14:40 휴식시간

Cosmology 1

좌장 : Myoungwon Jeon(전명원)[KHU]

14:40~14:55 구CD-01

Detecting complex sources in large surveys using an apparent complexity measure

David Parkinson[KASI]

14:55~15:10 구CD-02

A New Method to Reconstruct Cluster Merger Scenarios and Constraining SIDM Cross-section

Dongak Park(박동약)[Yonsei University],
M. James Jee(지명국)[Yonsei University/University of California]

15:10~15:25 구CD-03

Measuring the power spectrum turnover from the eBOSS Quasar catalogue

Benedict K. W. Bear-Rooster[KASI], David Parkinson[KASI/UST]

15:25~15:40 구CD-04

Accurate initial conditions for cosmological N-body simulations

Michaël Michaux , Graziano Rossi[Sejong University]

15:40~15:55 구CD-05

Cosmological Information from Higher Order Clustering Statistics

Sumi Kim(김수미), Cristiano G. Sabiu, Inkyu Park(박인규)[University of Seoul]

15:40~15:55 구CD-06

Signature of Massive Neutrinos from the Clustering of Critical Points

Jeongin Moon(문정인), Graziano Rossi, Hogyun Yu(유호균)[Sejong University]

16:10~16:30 휴식시간

Cosmology 2

좌장 : Sungwook E. Hong(홍성욱)[KASI]

16:30~16:45 구CD-07

HI HOD -- I. The Halo Occupation Distribution of HI Galaxies

Fei Qin[KASI]

16:45~17:00 구CD-08

A sparse regression approach for populating dark matter halos and subhalos with galaxies

Miguel Icaza-Lizaola[KASI/Durham University], Richard G. Bower, Peder Norberg,
Shaun Cole[Durham University], Matthieu Schaller[Leiden University], Yong-Seon
Song(송용선)[KASI]

제2발표장 첫째날 : 10월 12일 (수)

Cosmology 2

좌장 : Sungwook E. Hong(홍성욱)[KASI]

- 17:00~17:15 구CD-09
Study of the dark matter distribution in the $z > 1$ Universe with infrared weak gravitational lensing
Bomee Lee(이보미)[KASI]
- 17:15~17:30 구CD-10
Wide-field Weak-lensing Mass Reconstruction with Improved Convolutional Neural Network
Sangjun Cha(차상준)[Yonsei University], M. James Jee(지명국)[Yonsei University/University of California], Sungwook E. Hong(홍성욱)[University of Seoul/KASI], Sangnam Park(박상남)[University of Seoul]
- 17:30~17:45 구CD-11
Predicting cosmological parameters using CNN and ViT from large scale simulation
Se Yeon Hwang(황세연), Cristiano Sabiu[University of Seoul]

제3발표장 첫째날 : 10월 12일 (수)

12:30~13:40

등록

초청강연 1(제1발표장)

좌장 : Dongsu Ryu(류동수)[UNIST]

13:40~14:20 초 IT-01

New Frontiers in Dust Astrophysics

Thiem Hoang[KASI/UST]

14:20~14:40 휴식시간

High energy astronomy / Theoretical astronomy

좌장 : Jinho Kim(김진호)[KASI]

14:40~14:55 구HT-01

A Study of Morphology of FR-I Jets: Effects of Ambient Media

Ayan Bhattacharjee, Jeongbin Seo(서정빈)[UNIST],
Hyesung Kang(강혜성)[PNU], Dongsu Ryu(류동수)[UNIST]

14:55~15:10 구HT-02

Collimation and Acceleration of AGN jets

Jongho Park(박종호)[KASI/ASIAA], Masanori Nakamura[Hachinohe College/ASIAA],
Kazuhiro Hada[NAOJ], Motoki Kino[Kogakuin University], Keiichi Asada[ASIAA]

15:10~15:25 석HT-03

Intrabinary Shock and Broadband SED Modeling of XSS J12270-4859

Minju Sim(심민주), Hongjun An(안홍준)[CBNU]

15:25~15:40 구HT-04

Analyzing Environment of Binary Neutron Star Mergers via Stellar Population Modelling of
Short Gamma-ray Burst Host Galaxies

Mankeun Jeong(정만근), Myunshin Im(임명신)[SNU]

16:10~16:30 휴식시간

Astronomy & Space Science Technologies

좌장 : Sung-Joon Park(박성준)[KASI]

16:30~16:45 구AT-01

Status Report of KASI's SPHEREx Project

Woong-Seob Jeong(정웅섭), Yujin Yang(양유진)[KASI/UST], Sung-Joon Park(박성준),
Jeonghyun Pyo(표정현), Youngsoo Jo(조영수), Il-Joong Kim(김일중), Seungcheol Bang(방승철),
Bomee Lee(이보미)[KASI], SPHEREx Korean Consortium

16:45~17:00 구AT-02

Progress Report on 7DT/7DS

Ji Hoon Kim(김지훈), Myungshin Im(임명신), Hyung Mok Lee(이형목)[SNU],
Center for the Gravitational-Wave Universe

17:00~17:15 구AT-03

An analysis of the K-DRIFT Pathfinder observation results: Effects of mid-spatial
frequency surface errors and other error sources on image quality

Gayoung Lee(이가영)[KNU/KASI], Yunjong Kim(김윤종)[KASI],
Daewook Kim(김대욱)[University of Arizona], Woowon Byun(변우원)[KASI],
Jongwan Ko(고종완)[KASI/UST]

17:15~17:30 구AT-04

Current Status on Performance Evaluation of Immersion Grating

Yunjong Kim(김윤종)[KASI], Byeongchae Bang(방병철), Gwang-Hui Jeong(정광희)[Ant Bridge],
Chang-Hee Kim(김창희), Young-Sam Yu(유영삼), Jeong-Yeol Han(한정열),
Sungho Lee(이성호)[KASI]

제1발표장 둘째날 : 10월 13일 (목)

초청강연 2

좌장 : Hong-Jin Yang(양홍진)[KASI/UST]

09:20~10:00 초 IT-02

Solar motion described in the Choseon Almanacs

Seung-Urn choe(최승언)[SNU/SIHA]

10:00~10:10 휴식시간

[특] LSB Science

좌장 : Myungkook Jee(지명국)[Yonsei Univ.]

10:10~10:20 구LSB-01

Exploring the LSB universe with K-DRIFT

Jongwan Ko(고종완)[KASI/UST], K-DRIFT Team

10:20~10:30 구LSB-02

K-DRIFT preparation: Experiment on observation strategy and data reduction for the LSB study

Woowon Byun(변우원)[KASI], Kwang-Il Seon(선광일), Jongwan Ko(고종완)[KASI/UST]

10:30~10:40 구LSB-03

A simulation study of scattered light due to cirrus clouds in our Galaxy

Kwang-Il Seon(선광일)[KASI/UST], K-DRIFT team

10:40~10:50 구LSB-04

The formation of the brightest cluster galaxy and intracluster light in cosmological N-body simulations with the Galaxy Replacement Technique

Kyungwon Chun(천경원), Jihye Shin(신지혜)[KASI], Rory Smith[Universidad Técnica Federico Santa María], Jongwan Ko(고종완)[KASI/UST], Jaewon Yoo(유재원)[KIAS]

10:50~11:00 구LSB-05

Dark Matter Deficient Galaxies Produced Via High-velocity Galaxy Collisions In Numerical Simulations

Eun-jin Shin(신은진)[SNU], Joohyun Lee(이주현)[University of Texas], Ji-hoon Kim(김지훈)[SNU]

11:00~11:10 구LSB-06

The Effect of Low-Surface-Brightness Galaxies on the Galaxy Stellar Mass Functions

Juhan Kim(김주한), Jaehyun Lee(이재현), Clotilde Laigle, Yohan Dubois[CNRS and UPMC Univ], Changbom Park(박창범)[KIAS], Christophe Pichon[CNRS and UPMC Univ/CNRS, CEA], Jihye Shin(신지혜)[KASI], Brad Gibson[E.A. Milen Centre for Astrophysics]

11:10~11:20 구LSB-07

A study of ICL in 10 high-z clusters with deep HST near-IR imaging data

Hyungjin Joo(주형진)[Yonsei University], Myungkook James Jee(지명국)[Yonsei University/University of California]

11:20~11:30 구LSB-08

Tracing the origin of ICL with Horizon Run 5

Myungkook James Jee(지명국)[Yonsei University/University of California]

11:30~11:40 Discussion

11:40~13:10

점심시간

11:40~13:10

[Luncheon Seminar] 연구자와 함께하는 NRF 기초연구사업 간담회

13:10~14:00

포스터 발표 및 분과회의

제1발표장 둘째날 : 10월 13일 (목)

Galaxy Clusters 1

좌장 : Jae-Woo Kim(김재우)[KASI]

- 14:00~14:30 박GC-01
A Study on Intracluster Light and Dynamical Evolution of Galaxy Clusters through Observation and Simulation of the Low Surface Brightness Universe
Jaewon Yoo(유재원), Jongwan Ko(고종완)[KASI/UST]
- 14:30~14:45 구GC-02
Galaxy clusters and groups in CFHTLS Wide Field 2 upto redshift ~ 1
Insu Paek(백인수), Myungshin Im(임명신)[SNU], Jae-Woo Kim(김재우), Minhee Hyun(현민희)[KASI], Dohyung Kim(김도형)[PNU], Yongjung Kim(김용정)[KNU], Yongmin Yoon(윤용민)[KIAS], Yoonchan Taak(탁윤찬)[University of California], IMS team
- 14:45~15:00 구GC-03
Dynamical Evolution of Brightest Cluster Galaxies and Their Host Clusters based on IllustrisTNG
Jubee Sohn(손주비)[SNU], Margaret Geller[Smithsonian Astrophysical Observatory], Mark Vogelsberger, Josh Borrow[MIT]
- 15:00~15:15 구GC-04
A Hyperwide View of the Intracluster Globular Clusters in Abell 1060
Brian S. Cho(조브라이언), Myung Gyoon Lee(이명균)[SNU], In Sung Jang(장인성)[University of Chicago]
- 15:15~15:30 구GC-05
The JWST view of Globular Clusters in the Galaxy Cluster SMACS J0723.3-7327 at $z=0.39$
Jang Ho Bae(배장호), Myung Gyoon Lee(이명균)[SNU], In Sung Jang(장인성)[University of Chicago]

15:30~15:50

사진촬영 및 휴식

개회식 및 시상

15:50~16:20

- 소남학술상 : 최승언 회원
- 학 술 상 : Thiem Hoang 회원
- 젊은천문학자상 : 최이나 회원
- JKAS 우수논문상 : 정일교 회원
- 샛 별 상 : 손수연 회원
- 공 로 패 : (가나다순)
김용하 회원, 김유제 회원, 민영철 회원, 윤태석 회원, 한원용 회원
- 감 사 패 : IAUGA2022 조직위원 및 e-newspaper 편집위원

초청강연 3

좌장 : Byeong-Gon Park(박병곤)[KASI]

- 16:20~17:00 초 IT-03
Hosting the 31st General Assembly of the International Astronomical Union in the midst of the COVID-19 pandemic
Hyesung Kang(강혜성)[PNU]

17:00~18:30

정기총회

18:30~

만찬

제2발표장 둘째날 : 10월 13일 (목)

초청강연 2 (제1발표장)

좌장 : Hong-Jin Yang(양홍진)[KASI/UST]

09:20~10:00 초 IT-02

Solar motion described in the Choseon Almanacs

Seung-Urn choe(최승언)[SNU/SIHA]

10:00~10:10 휴식시간

High-redshift Galaxies / Active Galactic Nuclei

좌장 : Hyunjin Shim(심현진)[KNU]

10:10~10:40 박GC-17

Using Polarization to Uncover the Ly α Emission Mechanism in Ly α Nebulae

Eunchong Kim(김은총)[KASI/SNU], Yujin Yang(양유진)[KASI], Ann Zabludoff, Paul Smith, Buell Zannuzi[University of Arizona], Myung Gyoon Lee(이명균)[SNU], Narae Hwang(황나래), Byeong-gon Park(박병곤)[KASI]

10:40~10:55 구GC-18

Imprint of Patchy Reionization on Ultra Faint Dwarf Galaxies

Jaeun Kim(김재은), Myoungwon Jeon(전명원)[KHU]

10:55~11:10 구GC-19

H α BLR size and its correlation against H α luminosity based on the Seoul National University AGN Monitoring Program (SAMP)

Hojin Cho(조호진), Jong-Hak Woo(우종학)[SNU], the SAMP Collaborations

11:10~11:25 구GC-20

Spatially resolved gas kinematics of type 1 AGNs with strong outflows: Kinematic outflow size - [OIII] luminosity relation

Changseok Kim(김창석), Jong-Hak Woo(우종학)[SNU], Rongxin Luo[University of Alabama]

11:25~11:40 구GC-21

Seoul National University AGN Monitoring Project (SAMP): Investigating the High-Luminosity End of the H Radius-Luminosity Relation

Shu Wang, Jong-Hak Woo(우종학)[SNU], and SAMP Collaboration

11:40~13:10

점심시간

11:40~13:10

[Luncheon Seminar] 연구자와 함께하는 NRF 기초연구사업 간담회(제1발표장)

13:10~14:00

포스터 발표 및 분과회의

Stellar Astrophysics / Stars / Star Clusters

좌장 : Jae-Joon Lee(이재준)[KASI]

14:00~14:30 구SA-01

Near-infrared spectral properties of type Ib/Ic supernova progenitors and implications for JWST observations

Moo-Keon Jung(정무건), Sung-Chul Yoon(윤성철)[SNU]

14:30~14:45 구SA-02

A Kinematic Study of Stellar Groups in the W5 Region of Cassiopeia OB6

Beomdu Lim(임범두)[Kongju National University], Hyeong-Sik Yun(윤형식), Jongsuk Hong(홍종석), Narae Hwang(황나래), Byeong-Gon Park(박병곤)[KASI]

제2발표장 둘째날 : 10월 13일 (목)

Stellar Astrophysics / Stars / Star Clusters

좌장 : Jae-Joon Lee(이재준)[KASI]

14:45~15:00 석SA-03

Comprehensive Insights Toward the Mira Variables WX Serpentis and NV Aurigae By Tracing SiO and H₂O Masers for Thirteen Years

Jang-Ho Lim(임장호)[CBNU/KASI], Jaeheon Kim(김재현)[KASI], Seong-Min Son(손승민),
Kyung-Won Suh(서경원)[CBNU], Se-Hyung Cho(조세형)[KASI/SNU], Dong-Hwan
Yoon(윤동환)[KASI], Haneul Yang(양하늘)[KASI/SNU] Hyosun Kim(김효선)[KASI]

15:00~15:15 구SA-04

Characteristics of anticorrelation between the primary and secondary eclipse timing variations of W UMa-type contact binaries

Chun-Hwey Kim(김천휘), Hye-Young Kim(김혜영), Mi-Hwa Song(송미화),
Min-Ji Jeong(정미지)[CBNU]

15:30~15:50

사진촬영 및 휴식

15:50~16:20

개회식 및 시상 (제1발표장)

초청강연 3 (제1발표장)

좌장 : Byeong-Gon Park(박병곤)[KASI]

16:20~17:00 초 IT-03

Hosting the 31st General Assembly of the International Astronomical Union in the midst of the COVID-19 pandemic

Hyesung Kang(강혜성)[PNU]

17:00~18:30

정기총회 (제1발표장)

18:30~

만찬

제3발표장 둘째날 : 10월 13일 (목)

초청강연 2 (제1발표장)

좌장 : Hong-Jin Yang(양홍진)[KASI/UST]

09:20~10:00 초 IT-02

Solar motion described in the Choseon Almanacs

Seung-Urn choe(최승언)[SNU/SIHA]

10:00~10:10 휴식시간

Historical astronomy / Ephemerides

좌장 : Hong-Jin Yang(양홍진)[KASI/UST]

10:10~10:25 구HE-01

A study on the definition of terms related to angular distance between celestial bodies in Korean historical astronomical records

Hyojun Lee(이효준)[Yonsei university/KASI], Hong-Jin Yang[KASI], Suk-Jin Yoon[Yonsei university], Myeong-Gu Park(박명구)[KNU]

10:25~10:40 구HE-02

How to find the mean season when you know the true season, presented in the rì chán lífā of the Lì xiàng kǎo chéng

Seung-Urn choe(최승언)[SNU/SIHA], Min-Jeong Kang(강민정)[ITKC], Seulki Kim(김슬기)[SNU], Yong Bok Lee(이용복)[SIHA], Myon U Lee(이면우)[CNUE], Yang, Hong-Jin(양홍진)[KASI/UST]

11:40~13:10

점심시간

11:40~13:10

[Luncheon Seminar] 연구자와 함께하는 NRF 기초연구사업 간담회(제1발표장)

13:10~14:00

포스터 발표 및 분과회의

Astronomy Outreach and Education

좌장 : Jeong Ae Lee(이정애)[KASI]

14:00~14:30 석AE-01

Development of STEAM program for the rotation of celestial bodies using Creative Thinking Techniques

HyunSeok Lee(이현석), YongGi Kim(김용기), HyoungBum Kim(김형범)[CBNU]

14:30~14:45 구AE-02

NASE Low-Tech Hands-On Teacher's Training Course

In-Ok Song(송인옥)[Korea Science Academy of KAIST], Jungjoo Sohn(손정주)[KNUE], Hyunjin Shim(심현진)[KNU], Aran Lyo(여아란)[KASI], Rosa M. Ros[University of Catalonia]

14:45~15:00 구AE-03

Roles and Activities of OAE-Node Republic of Korea

Hyunjin Shim(심현진)[KNU], Jungjoo Sohn(손정주)[KNUE], In-Ok Song(송인옥)[Korea Science Academy of KAIST], Jeong Ae Lee(이정애), Aran Lyo(여아란)[KASI], Woojin Kwon(권우진)[SNU]

15:30~15:50

사진촬영 및 휴식

15:50~16:20

개회식 및 시상

제3발표장 둘째날 : 10월 13일 (목)

초청강연 3 (제1발표장)

좌장 : Byeong-Gon Park(박병곤)[KASI]

16:20~17:00 초 IT-03

Hosting the 31st General Assembly of the International Astronomical Union in the midst of the COVID-19 pandemic

Hyesung Kang(강혜성)[PNU]

17:00~18:30

정기총회

18:30~

만찬

제1발표장 세째날 : 10월 14일 (금)

초청강연 4

좌장 : Sukyoung K. Yi(이석영)[Yonsei Univ.]

09:20~10:00 초 IT-04

Cosmological hydrodynamic simulations of massive galaxy formation

Ena Choi (최이나)[University of Seoul]

초청강연 5

좌장 : Hannah Kwak(곽한나)[SNU]

10:00~10:40 초 IT-05

Small Magnetic Loops in the Solar Atmosphere

Maria S. Madjarska-Theissen[Max-Planck Institute for Solar System Research]

10:40~11:00 휴식시간

Galaxy Clusters 2 / Galaxy Evolution

좌장 : Jongwan Ko(고종완)[KASI]

11:00~11:15 구GC-06

Developing new recipes for measuring the dynamical state of galaxy clusters using simulations

Hyowon Kim(김효원)[UST/KASI], Jongwan Ko(고종완)[KASI/UST], Rory Smith[Universidad Technica Frederico de Santa Maria], Jong-Ho Shin(신종호)[KASI], Jaewon Yoo(유재원)[UST/KASI], Kyungwon Chun(천경원), Jihye Shin(신지혜)[KASI]

11:15~11:30 구GC-07

Feeding High-redshift Galaxy Clusters from Large-scale Environment: Web-feeding Model

Seong-Kook Lee(이성국), Myungshin Im(임명신), Eunhee Ko(고은희)[SNU], Changbom Park(박창범), Juhan Kim(김주한), Jaehyun Lee(이재현)[KIAS], Minhee Hyun(현민희)[KASI], Bomi Park(박보미)[SNU], Jae-Woo Kim(김재우)[KASI]

11:30~11:45 구GC-08

Similar image retrieval using Autoencoder - I. Automatic morphology classification of galaxies

Eunsuk Seo(서은숙), Suk Kim(김석), YoungDea Lee(이영대)[CNU], Sang-Il Han(한상일)[Ewha Womans University], Hak-Sub Kim(김학섭)[Sejong University], Soo-Chang Rey(이수창), Hyunmi Song(송현미)[CNU]

11:45~12:00 구GC-09

Global HI properties of galaxies via super-profile analysis

Minsu Kim(김민수), Se-Heon Oh(오세헌)[Sejong University]

12:00~12:15 구GC-10

Effects of Central Mass Concentration on Bar Formation and Evolution in Disk Galaxies

Dajeong Jang(장다정), Woong-Tae Kim(김웅태)[SNU]

12:15~12:30 구GC-11

A search for extragalactic anomalous microwave emission using KVN single-dish observations

Panomporn Poojon, Aeree Chung(정애리)[Yonsei University], Thiem Hoang[KASI], Junhyun Baek(백준현)[Yonsei University]

12:30~13:30

점심시간

제1발표장 세째날 : 10월 14일 (금)

Galaxy Simulations / Gravitational Waves

좌장 : Hyunmi Song(송현미)[CNU]

- 13:30~13:45 구GC-12
Particle Tagging Method to Study the Formation and Evolution of Globular Clusters in Galaxy Clusters
So-Myoung Park(박소명), Jihye Shin(신지혜)[KASI],
Rory Smith[Federico Santa Maria Technical University], Kyungwon Chun(천경원)[KASI]
- 13:45~14:00 구GC-13
RECREATING ZERO METALLICITY HYPERNOVAE IN THE SCULPTOR LIKE DWARF GALAXIES WITH GADGET
Tae-Yong Lee(이태용)[KHU]
- 14:00~14:15 구GC-14
Meeting new challenges in low surface-brightness astronomy with the next generation of cosmological simulations
Garreth Martin[KASI/Steward Observatory],
Amir Bazkiaei[Macquarie University, ASTRO 3D]
- 14:15~14:30 구GC-15
Kilonova Detectability with 7DT and the Future Prospects in the O4 run
Gregory S.H. Paek(백승학), Myungshin Im(임명신), Ji Hoon Kim(김지훈)[SNU]
- 14:30~14:45 구GC-16
Deep Learning-based Search for Microlensing Signature from Binary Black Hole Events in GWTC-1 and -2
Kyungmin Kim(김경민)[Ewha Womans University], Joongoo Lee(이준구)[SNU],
Otto Hannuksela, Tjonnie LiP

14:50~15:00

우수포스터상 시상 및 폐회

제2발표장 세째날 : 10월 14일 (금)

초청강연 4 (제1발표장)

좌장 : Sukyoung K. Yi(이석영)[Yonsei Univ.]

09:20~10:00 초 IT-04

Cosmological hydrodynamic simulations of massive galaxy formation

Ena Choi (최이나)[University of Seoul]

초청강연 5 (제1발표장)

좌장 : Hannah Kwak(곽한나)[SNU]

10:00~10:40 초 IT-05

Small Magnetic Loops in the Solar Atmosphere

Maria S. Madjarska-Theissen[Max-Planck Institute for Solar System Research]

10:40~11:00 휴식시간

Sun and Space Environment

좌장 : Su-Chan Bong(봉수찬)[KASI]

11:00~11:15 구SS-01

The Continuous Spectrum of Thermal Condensation Modes in Optically Thin Astrophysical Plasmas

Gwangson Choe(최광선), Sibaek Yi(이시백), Minseon Lee(이민선)[KHU]

11:15~11:30 구SS-02

Two Groups of Alfvénic Waves Observed in the Chromosphere around Sunspots: Three-minute Waves and Ten-minute Waves

Jongchul Chae(채종철)[SNU], Kyuhyun Cho(조규현)[SNU/Lockheed Martin Solar and Astrophysics Laboratory], Eunkyung-Lim(임은경)[SNU], Juhyung Kang(강주형)[SNU/KASI]

11:30~11:45 구SS-03

Determination of 3-D parameters of synthetic CMEs using a deep learning method

Hyeonock Na(나현옥), Yong-Jae Moon(문용재)[KHU]

11:45~12:00 구SS-04

Recurrent and propagating intensity disturbances along polar plumes observed in the extreme ultraviolet and white light

Il-Hyun Cho(조일현), Yong-Jae Moon(문용재), Jin-Yi Lee(이진이), Junmo An(안준모), Dae Jung Yu(유대중)[KHU], Kyung-Suk Cho(조경석)[KASI/UST], Harim Lee(이하림)[KHU], Jae-Ok Lee(이재옥)[KASI/UST]

12:00~12:15 구SS-05

3-day time series forecasting of solar wind speed using a deep learning model

Jihyeon Son(손지현), Suk-Kyung Sung(성숙경), Yong-Jae Moon(문용재), Harim Lee(이하림)[KHU]

12:15~12:30 구SS-06

Application of deep reinforcement learning to major solar flare forecast

Kangwoo Yi(이강우), Yong-Jae Moon(문용재)[KHU]

12:30~13:30

점심시간

제2발표장 세째날 : 10월 14일 (금)

Solar System

좌장 : Chae Kyung Sim(심채경)[KASI]

13:30~13:45 구SS-07

Reflectivity of Venus' dayside disk during the 2020 observation campaign

Yeon Joo Lee(이연주)[Institute of Planetary Research/IBS],
the Venus Dayside Observation Team*

13:45~14:00 구SS-08

Initial operation status of KMAG instrument in Danuri (KPLO) mission

Ho Jin(진호), Khanhyuk Kim(김관혁)[KHU], Eunhyeuk Kim(김은혁)[KARI]

14:00~14:15 구SS-09

Development of the science data management system for lunar and planetary explorations

Joo Hyeon Kim(김주현)[KARI]

14:15~14:30 구SS-10

A Study on Asymmetric Space Weathering with an Updated Lunar Crater List

Kilho Baek(백길호), Sungsoo S. Kim(김성수)[KHU], Chae Kyung Sim(심채경)[KASI]

14:50~15:00

우수포스터상 시상 및 폐회

제3발표장 세째날 : 10월 14일 (금)

초청강연 4 (제1발표장)

좌장 : Sukyoung K. Yi(이석영)[Yonsei Univ.]

09:20~10:00 초 IT-04

Cosmological hydrodynamic simulations of massive galaxy formation

Ena Choi (최이나)[University of Seoul]

초청강연 5 (제1발표장)

좌장 : Hannah Kwak(곽한나)[SNU]

10:00~10:40 초 IT-05

Small Magnetic Loops in the Solar Atmosphere

Maria S. Madjarska-Theissen[Max-Planck Institute for Solar System Research]

10:40~11:00 휴식시간

Interstellar Matter

좌장 : Hyeong-Sik Yun(윤형식)[KASI]

11:00~11:15 구IM-01

On the connection between the O32 ratio and LyC escape from simulated star-forming clouds

Suhyeon Choe(최수현), Taysun Kimm(김태선)[Yonsei University], Harley Katz[University of Oxford], Taehwa Yoo(유태화)[Yonsei University/University of Florida]

11:15~11:30 구IM-02

12CO J=3-2 High-Resolution Survey (COHRS) of the Galactic Plane: Full Data Release

Geumsook Park(박금숙)[KASI], Malcolm Currie[East Asian Observatory/STFC Rutherford Appleton Laboratory], Holly Thomas[Harvard & Smithsonian], Erik Rosolowsky[University of Alberta], Jessica Dempsey[East Asian Observatory/ASTRON], Kee-Tae Kim(김기태)[KASI], Andrew Rigby[Cardiff University], Yang Su[Chinese Academy of Sciences], David Eden[Liverpool John Moores University/College Hill], Dario Colombo[Max Planck Institute for Radioastronomy], Harriet Parsons[East Asian Observatory], Toby Moore, John Moores[Liverpool John Moores University]

11:30~11:45 구IM-03

Probing the Conditions for the Atomic-to-Molecular Transition in the Interstellar Medium

Gyueun Park(박규은)[KASI/UST], Min-Young Lee(이민영)[KASI]

11:45~12:00 구IM-04

Magnetic Fields in Horsehead Nebula

Jihye Hwang(황지혜)[KASI/UST/University College London], Kate Pattle[University College London], Harriet Parsons[East Asian Observatory], Jongsoo Kim(김종수)[KASI/UST]

12:30~13:30

점심시간

13:30~13:45 구IM-05

A modest outburst and emission structure of very young protostar HOPS 373

Sung-Yong Yoon(윤성용)[KHU/KASI], Gregory J. Herczeg[Peking University],
Jeong-Eun Lee(이정은)[KHU], Ho-Gyu Lee(이호규)[KASI], Doug Johnstone[NRC Herzberg
Astronomy and Astrophysics/University of Victoria], Watson Varricatt[University of
Hawaii], John J. Tobin[NRAO], Carlos Contreras Peña[University of Exeter/University of
Hertfordshire], Steve Mairs[EAO], Klaus Hodapp[University of Hawaii], P. Manoj[Tata
Institute of Fundamental Research], Mayra Osorio[CSIC],
S. Thomas Megeath[University of Toledo] and the JCMT Transient Team

13:45~14:00 구IM-06

Ice features of complex organic molecules (COMs) in the AKARI IRC spectra of the
embedded protostars

Jaeyeong Kim(김재영)[KASI], Jeong-Eun Lee(이정은)[SNU], Chul-Hwan Kim(김철환)[KHU],
Tien-Hao Hsieh[Max-Planck-Institute], Yao-Lun Yang[University of Virginia],
Nadia Murillo[RIKEN Wako Institute], Yuri Aikawa[University of Tokyo],
Woong-Seob Jeong(정웅섭)[KASI]

14:00~14:15 구IM-07

Grain Growth and Dust Segregation Revealed by Multi-wavelength Analysis of the Class I
Protostellar Disk WL 17

Ilseung Han(한일승)[UST/KASI], Woojin Kwon(권우진)[SNU], Yusuke Aso[KASI]

14:50~15:00

우수포스터상 시상 및 폐회

포스터 발표

교육홍보 / 기타

- PAE-01
Survey of HI gas for the galactic plane with Gwacheon National Science Museum's 7.2m single radio telescope
Taehyun Kim(김태현), Hyori Jeon(전효리), Yesom Jung(정예솜), Jihoon Choi(최지훈), Chaerin Kim(김채린)[CBNU], Bong Won Sohn(손봉원)[KASI], Yong-gi Kim(김용기)[CBNU]
- PAE-02
Report on activities of the 1st KOFST creator: Public outreach of JKAS papers
Sung-Ho An(안성호)[Daegu University]
- PAE-03
Academic exchange and social activity of Korea young astronomers meeting (KYAM) in the post-COVID-19 era
DaJeong Jang(장다정)[SNU], Woorak Choi(최우락)[Yonsei University], Sieun Lee(이시은)[KHU], Jeongin Moon(문정인)[Sejong University], Jaehong Jeong(정재홍)[SNU], Sol Yun(윤솔)[CNU], Yeonho Choi(최연호)[KNU]
- PAE-04
Comparison study between modern and conventional programming languages in numerical astrophysics
Yeong-Bok Bae(배영복)[IBS], Young-Hwan Hyun(현영환), Jinho Kim(김진호)[KASI], Whansun Kim(김환선)[NIMS], Young-Min Kim(김영민)[UNIST], Jae-Joon Lee(이재준)[KASI], Sang Hoon Oh(오상훈)[NIMS], Miok Park(박미옥), Chan Park(박찬)[IBS]

성간물질/별생성/우리는하

- PIM-01
Understanding the Impact of Star Formation Models on Galaxy Evolution
Cheonsu Kang(강천수), Taysun Kimm(김태선), Daniel Han(한다니엘)[Yonsei University]
- PIM-02
Pa α and H α detections for the WISE Galactic H II regions
Il-Joong Kim(김일중), Jeonghyun Pyo(표정현), Woong-Seob Jeong(정웅섭)[KASI]
- PIM-03
Modeling extinction and reddening effects by circumstellar dust in the Betelgeuse envelope in the presence of radiative torque disruption
Gia Bao Truong Le[KASI/UST], Le Ngoc Tram[Max-Planck-Institut], Thiem Hoang, Nguyen Chau Giang[KASI/UST]
- PIM-04
Physical Modeling of Dust Polarization from Grain Alignment by Radiative Torques and Magnetic Relaxation in Protostellar Cores with POLARIS
Nguyen Chau Giang, Thiem Hoang[KASI/UST]
- PIM-05
Grain Alignment and Magnetic Field at the Galactic Center from Infrared Polarization
M. S. Akshaya, Thiem Hoang[KASI]

우주론

- PCD-01
Application of Denoising and Super-Resolution GAN to Hubble Ultra Deep Field Galaxies
Hyosun Park(박효선)[Yonsei University], Seok-Un Kang(강석운), Taehwan Kim(김태환)[UNIST], M. James Jee[Yonsei University/University of California]

포스터 발표

천문우주관측기술

- PAT-01
A new method to detect gravitational waves by radio telescope network with pulsar timing array
Chan Park(박찬)[IBS]
- PAT-02
CCD and CMOS camera test for basic properties
Hongjae Moon(문홍재), Myungshin Im(임명신), Changsu Choi(최창수), Gregory Paek(백승학)[SNU], Jongwan Ko(고종완)[KASI], Jinguok Seo(서진국)[SNU]
- PAT-03
Image modeling of Linear Astigmatism Free-Three Mirror System (LAF-TMS) for MESSIER Surveyor satellite
Changgon Kim(김창곤), Dohoon Kim(김도훈), Jimin Han(한지민)[KHU], Sunwoo Lee(이선우)[KBSI], Seunghyuk Chang(장승혁)[CISS], Daewook Kim(김대욱)[University of Arizona], David Valls-Gabaud[Observatoire de Paris], Rémi Cabanac[University of Toulouse], Soojong Pak(박수종)[KHU]
- PAT-04
Study of Light pollution around Daegu National Science Museum Observatory
Hyeonwoo Moon(문현우), Joonho Kim(김준호), Yeejeong Lee(이이정)[DNSM], Hongju Kwon(권홍주)[Korea Astronomy & Space Science Museum Association]

항성, 항성계/ 외계행성

- PSA-01
Asteroseismology investigation with Kepler/K2: Influence of cluster properties on the oscillation parameters of evolved stars
Yun-A Jo(조윤아), Heon-Young Chang(장현영)[KNU]
- PSA-02
The Raw and Reduced IGRINS Spectral Archive (RRISA) and its Application
Jae-Joon Lee(이재준)[KASI]
- PSA-03
Discovery of A New Blue Large-Amplitude Pulsator in the SkyMapper DR2: SMSS J184506.82-300804.7
Seo-Won Chang (장서원)[SNU], Christian Wolf, Christopher A. Onken, Mike Bessell[Australian National University]
- PSA-04
The Pre-He White Dwarfs in Eclipsing Binaries. IV. WASP 1814+48 with Multiperiodic Pulsations
Jae Woo Lee(이재우)[KASI], Kyeongsoo Hong(홍경수), Hye-Young Kim(김혜영)[CBNU], Jang-Ho Park(박장호)[KASI]
- PSA-05
Chemical properties of extra-tidal stars in tidal tail of globular cluster M92 using Gaia and APOGEE survey data
Sang-Hyun Chun(천상현)[KASI], Dongwook Lim(임동욱)[Zentrum für Astronomie der Universität Heidelberg], Jae-Joon Lee(이재준)[KASI]
- PSA-06
Near-Infrared Multi-Object Spectroscopy of the Outer Ejecta Knots in the Cassiopeia A Supernova Remnant
Bon-Chul Koo(구본철)[SNU], Yong-Hyun Lee(이용현)[SNU/KASI/Samsung SDS], Jae-Joon Lee(이재준)[KASI]

포스터 발표

외부은하/은하단

- PGC-01
Updates on the JCMT large program, the North Ecliptic Pole 850 μ m survey
Yeonsik Kim(김연식), Hyunjin Shim(심현진)[KNU]
- PGC-02
Constructing 3.3 μ m PAH image of the nearby giant spiral galaxy M101 based on the spatially resolved SED fitting
WonHyeong Lee(이원형), Hyunjin Shim(심현진)[KNU]
- PGC-03
Toward a better fluid solver: developing and verifying the YUMMy (Yonsei Unstructured Moving-Mesh Hydrodynamics) code
Ji-Woo Kim(김지우)[Yonsei University], Kiyun Yun(윤기윤)[Max-Planck-Institut], Jun-Sung Moon(문준성)[SNU], Jongsam Nah(나종삼)[Yonsei University], Sung-Ho An(안성호)[Daegu University], Suk-Jin Yoon(윤석진)[Yonsei University], Juhan Kim(김주한)[KIAS], Sungsoo Kim(김성수)[KHU]
- PGC-04
Spatial distributions of globular clusters in early-type galaxies and their formation.
Sungsoo Lim(임성순)[Yonsei University], Patrick Cote[NRC-Canada] Eric W. Peng[Peking University], NGVS team.
- PGC-05
A short-term multi-wavelength radio polarization variability study on a blazar 4C +38.41 using single dish 21-m radio telescopes of the Korean VLBI Network
Mingyu Ryu(류민규)[CBNU], Sincheol Kang(강신철)[KASI], Sang-Sung Lee(이상성)[KASI/UST]
- PGC-06
A multi-wavelength radio polarization monitoring study in blazars using 21-m radio telescopes of the Korean VLBI Network
Young-Bin Shin(신영빈), Sieun-Go(고시은), Min-Ji Kim(김민지), Ha-neul Jeong(정하늘)[CBNU], Sincheol Kang(강신철)[KASI], Sang-Sung Lee(이상성)[KASI/UST]
- PGC-07
Interferometric monitoring of a gamma-ray bright active galactic nucleus 3C 84 using Korean VLBI Network
So Yeon, Yeo(duthdus)[Yonsei University], Sang-Sung Lee(이상성), Whee Yeon Cheong(정위연), Sang-Hyun Kim(김상현)[KASI/UST]
- PGC-08
Interferometric Monitoring of Gamma-ray Bright AGNs: Multiwavelength analysis of 4C+28.07
Myoung-Seok Nam(남명석)[KASI], Sang-Sung Lee(이상성)[KASI/UST], Jee Won Lee(이지원)[KASI], Whee Yeon Cheong(정위연)[KASI/UST]
- PGC-09
The role of galaxy interactions in the evolution of the angular momentum of galaxies
Jeong-Sun Hwang(황정선)[Sejong University], Changbom Park(박창범)[KIAS], Soo-hyeon Nam(남수현)[Korea University]
- PGC-10
Massive Galaxy Clusters in the KS4 EDR catalog
Bomi Park(박보미), Myungshin Im(임명신)[SNU], Joonho Kim(고준호)[DNSM/SNU], Minhee Hyun(현민희)[KASI], Seong-Kook Lee(이성국)[SNU], Jae-Woo Kim(김재우)[KASI], Eunhee Ko(고은희)[SNU], KS4 team
- PGC-11
How many AGNs will SPHEREx detect?
Jiwon Sohn(손지원)[KNU], Yujin Yang(양유진)[KASI], Minjin Kim(김민진)[KNU]

포스터 발표

외부은하/은하단

PGC-12

FIR-Radio Correlation of Star-forming Galaxies in the Stripe-82 Field

Dongseob Lee(이동섭), Hyunjin Shim(심현진)[KNU]

PGC-13

A multi-wavelength study on a gamma-ray active AGN 1308+326 using KVN single-dish cross-scan data

Shan Li[KHU], Whee-Yeon Cheong(정위연), and Sang-Sung Lee(이상성)[KASI/UST]

태양우주환경

PSS-01

CORonal Integral Field Spectropolarimeter for the Total Solar Eclipse

Heesu Yang(양희수)[KASI]

PSS-02

The Effect of Transition Region on the Chromospheric Umbral Oscillation

Soosang Kang(강수상), Jongchul Chae(채종철)[SNU]

PSS-03

Study of Fe/O variations in solar energetic particles using the synchronic potential field source surface model

Jinhye Park(박진혜)[KHU], R. Bucik[Southwest Research Institute], Hyun-Jin Jeong(정현진),

Yong-Jae Moon(문용재)[KHU]

PSS-04

Generation of solar UV/EUV images from Ca II K Images by Deep Learning

Harim Lee(이하림)[KHU], Eunsu Park(박은수)[KASI], Hyun-Jin Jeong(정현진)[KHU],

Gyungin Shin(신경진)[University of Oxford], Yong-Jae Moon(문용재)[KHU]

PSS-05

Dependence of wave propagation direction on height and region

Kyeore Lee(이겨레), Jongchul Chae(채종철)[SNU]

태양계

PSS-06

Data Processing Pipeline for KPLO/PolCam

Serin Kim(김세린), Kilho Baek(백길호)[KHU], Minsup Jeong(정민섭)[KASI],

Sungsoo S. Kim(김성수)[KHU], Young-Jun Choi(최영준), Chae Kyung Sim(심채경)[KASI]

2022년도 가을 한국천문학회 학술대회

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