

2024년 봄 제109차 한국천문학회 학술대회 등록 안내

1. 학술대회 개요

- (1) 일시 : 2024년 4월 17일 (수) ~ 4월 19일 (금)
- (2) 장소 : 여수베네치아호텔 & 리조트
 - 구 두 발표 : 베네치아 호텔 3F 컨벤션센터, 페스타, 부라노
 - 포스터발표 : 베네치아 호텔 3F 로비
 - 전 시 : 국가과학기술인력개발원, 한국천문올림픽아드
 - 아이 돌봄 : 베네치아 호텔 3F 올리비아
- (3) 후원 : 전라북도, 전주시, 한국과학기술단체총연합회



2. 등록

- (1) 사전등록비
 - 정회원(일반) : 230,000원 / 정회원(학생)이하 : 150,000원 / 비회원 : 300,000원
- (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
 - ※ 계좌정보: 468-25-0008-338 (국민은행) 예금주 : 사)한국천문학회
 - ※ 최근 2년간 연회비를 납부하지 않은 회원에게는 총회에서 투표권이 제한됩니다.

3. 회원 가입

회원가입을 원하시는 분은 다음의 입회원서를 작성하여 입회비와 함께 제출하시면 됩니다.
[입회비: 10,000원]



Membership Application Form of the Korean Astronomical Society

Membership No. <small>(*For Office Use)</small>		Approved Date <small>(*For Office Use)</small>	
Name		Nationality	
Institution			
Date of Birth	(yyyy-mm-dd)	Gender	M() F()
Phone		e-mail	
Highest Degree Earned	Bachelor ()	Master ()	Ph.D. ()
	(Institution Degree Obtained From)		(Date Received)
	(For Student)	Bachelor course()	Master course()
Areas of Primary Interest (Optional, Select all) ¹⁾	<input type="checkbox"/>	광학천문분과 / Division of UV/Optical/IR Astronomy	
	<input type="checkbox"/>	우주전파분과 / Division of Radio Astronomy	
	<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	
	<input type="checkbox"/>	추후 선택 / To be decided	
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: right;">Date : _____(yyyy-mm-dd)</p> <p style="text-align: right;">Signature : _____</p> <p>Recommender(signatures from TWO recommenders)²⁾</p> <p>Affiliation _____ Name _____ Signature _____</p> <p>Affiliation _____ Name _____ Signature _____</p>			

1) Your selection will be sent to each division and you can decide to join later.

2) 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

[<https://www.yeosuvenezia.com/support.html>]

	<p>전남 여수시 오동도로 61-13(수정동 774-4) 객실예약 : 061-664-0001</p> <p>이 메 일: info@yeosuvenezia.com</p> <p>-체크인 15:00 -체크아웃 11:00</p>
	<p>여수엑스포역 📍 호텔</p>
	<p>도보 10분</p>

2024 KAS Spring Meeting 04.17

13:00~ 14:00	등록								
14:00~ 14:40	초청강연 1 Jeonghee Rho (노정희) [좌장 : Sung-Chul Yoon(윤성철)]								
14:40~ 15:00	휴식시간								
발표장	제1발표장(컨벤션홀)			제2발표장(페스타)			제3발표장(부라노)		
시간표	은하 진화/은하단 1 + 우주론/암흑물질, 암흑에너지 Galaxy evolution/Galaxy clusters 1 Cosmology / Dark Matter, Dark Energy [좌장 : Suk Kim(김석)]			항성, 항성계/외계행성 Star, Stellar systems / Exoplanets [좌장 : Dongwook Lim(임동욱)]			성간물질/별생성/우리은하 + 천문화학/천문생물 Interstellar matter / Star formation/Milky Way Galaxy [좌장 : Jihyun Kang (강지현)]		
15:00~ 15:15	박GC-01	Jinhyub Kim (김진협)	K	구SA-01	Mi-Hwa Song (송미화)	K	구IM-01	Jae-Hong Jeong (정재홍)	K
15:15~ 15:30				구SA-02	Hye-Young Kim (김혜영)	K	구IM-02	Chul-Hwan Kim (김철환)	K
15:30~ 15:45	구GC-02	HyeongHan Kim (김형한)	E	구SA-03	Youngdae Lee (이영대)	K	구IM-03	Young-Jun Kim (김영준)	K
15:45~ 16:00	구GC-03	Junhan Kim (김준한)	E	구SA-04	Han-Gyeol Yun (윤한결)	K	구IM-04	Gia Bao Truong Le	E
16:00~ 16:15	구GC-04	Preetish Mishra	E	구SA-05	Jinhee Lee (이진희)	K	구IM-05	Nguyen Chau Giang	E
16:15~ 16:30	구GC-05	Sangjun Cha (차상준)	T	구SA-06	Jae-Woo Lee (이재우)	K	구IM-06	Cheonsu Kang (강천수)	K
16:30~ 16:45	구GC-06	Fei Qin	E	구SA-07	Bianca Els	E	구IM-07	Dajeong Jang (장다정)	K
16:45~ 17:00	구GC-07	Jeffrey Hodgson	E	석SA-08	Hyun Baek (백현)	K			
17:30	2024년도 제2차 이사회								

약자설명	구	구두발표	발표언어	K	KOREAN
	포	포스터발표		E	ENGLISH
	초	초청강연			
	석	석사학위논문발표			
	박	박사학위논문발표			

2024 KAS Spring Meeting 04.18

09:30~ 10:10	초청강연 2 Satoshi Miyazaki [좌장 : Jubee Sohn(손주비)]									
10:10~ 10:30	휴식시간									
발표장	제1발표장(컨벤션홀)			제2발표장(페스타)			제3발표장(부라노)			
시간표	은하 진화/은하단 2 Galaxy evolution / Galaxy clusters 2 [좌장 : Narae Hwang(황나라)]			천문우주관측기술 Astronomical Instrumentation [좌장 : Chan Park(박찬)]			교육홍보 + 고천문학/천문역법 Education+Historical Astronomy [좌장 : Jungjoo Sohn(손정주)]			
10:30~ 10:45	박GC-08	Wonki Lee (이원기)	E	초AT-01	Yusei Koyama	E	구AH-01	Seung-Um Choe (최승언)	K	
10:45~ 11:00							구AH-02	Hong-Jin Yang (양홍진)	K	
11:00~ 11:15	구GC-09	Jaebeom Kim (김재범)	K	구AT-02	Myungshin Im (임명신)	K	구AH-03	Hyojun Lee (이호준)	K	
11:15~ 11:30	구GC-10	Suk Kim (김석)	K	구AT-03	Gregory S.H. Paek (백승학)	K	구AH-04	Sungsoo S. Kim (김성수)	K	
11:30~ 11:45	구GC-11	Emmanuele Contini	E	구AT-04	Gu Lim (임구)	K	구AH-05	Sang Hyun Lee (이상현)	K	
11:45~ 12:00	구GC-12	Hyungjin Joo (주형진)	K	구AT-05	Tae-Geun Ji (지태근)	K	구AH-06	Soung-Chul Yang (양성철)	K	
12:00~ 13:30	점심시간									
시간표	은하 진화/은하단 3 Galaxy evolution/Galaxy clusters 3 [좌장 : Junhan Kim(김준한)]			[특] Heliospheres : Basics and Frontiers [좌장 : Eun-Kyung Lim(임은경)]			[특] KMTNet Synoptic Survey of Southern Sky [좌장 : Joonho Kim(김준호)]			
13:30~ 13:45	구GC-13	Jeong Hwan Lee (이정환)	K	초HBF-01	Heon-Young Chang (장현영)	K	구KS4-01	Seo-Won Chang (장서원)	K	
13:45~ 14:00	구GC-14	Sree Oh (오슬희)	T				구KS4-02	Mankeun Jeong (정만근)	K	
14:00~ 14:15	구GC-15	Taewan Kim (김태완)	T	초HBF-02	Jongchul Chae (채종철)	K	구KS4-03	Bomi Park (박보미)	K	
14:15~ 14:30	구GC-16	Insu Paek (백인수)	E				구KS4-04	Yongjung Kim (김용정)	K	
14:30~ 14:45	구GC-17	Brian S. Cho (조브라이언)	E	구HBF-03	Younghun Oh (오영훈)	T	구KS4-05	Jae-Won Lee (이재원)	K	
14:45~ 15:00	구GC-18	Narae Hwang (황나라)	T	discussion			discussion			
15:00~ 15:10	휴식시간									
15:10~ 15:30	개회식 및 시상									
15:30~ 16:10	초청강연 3 Juhyung Kang(강주형)[좌장: Ryun Young Kwon(권윤영)]									
16:10~ 16:30	사진촬영									
16:30~ 17:30	포스터발표 및 분과회의									
	[행사준비]									

2024 KAS Spring Meeting 04.18

발표장	제1발표장(컨벤션홀)			제2발표장(페스타)			제3발표장(부라노)		
시간표	태양계 Solar System [좌장 : In-Ok Song(송인옥)]			태양우주환경 Sunand Space Environment [좌장 : Jongchul Chae(채종철)]			고에너지/이론천문학 1 High energy astronomy / Theoretical astronomy 1 [좌장 : Yeong-Bok Bae(배영복)]		
17:30~ 17:45	구SS-01	Serin Kim (김세린)	K	구SS-05	Ryun Young Kwon (권윤영)	K	구HT-01	Yunewoo Lee (이윤우)	E
17:45~ 18:00	구SS-02	Kilho Baek (백길호)	K	구SS-06	Heesu Yang (양희수)	K	구HT-02	Jaewook Lee (이재욱)	E
18:00~ 18:15	구SS-03	Hee-Jae Lee (이희재)	K	구SS-07	Eun-Kyung Lim (임은경)	K	구HT-03	Mageshwaran Tamilan	E
18:15~ 18:30	구SS-04	Myung-Jin Kim (김명진)	K	구SS-08	Kyeore Lee (이겨레)	K	구HT-04	Yonghwi Kim (김용휘)	K
18:40	만찬								

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09:30~ 10:10	초청강연 4 Luca Naticchioni [좌장 : Sungho Lee(이성호)]								
10:10~ 10:30	휴식시간								
발표장	제1발표장(컨벤션홀)			제2발표장(페스타)			제3발표장(부라노)		
시간표	은하 진화/은하단 4 Galaxy evolution / Galaxy clusters 4 [좌장 : Sree Oh(오슬희)]			[특] Exoplanet, Habitability and Biosignature [좌장: Sung-Chul Yoon(윤성철)]			고에너지/이론천문학 2 High energy astronomy / Theoretical astronomy 2 [좌장 : Hongjun An(안홍준)]		
10:30~ 10:45	구GC-19	Hojin Cho (조호진)	K	구EHB-01	Thiem Hoang	E	구HT-05	Jaegun Park (박재근)	K
10:45~ 11:00	구GC-20	Changseok Kim (김창석)	K	구EHB-02	David Parkinson	E	구HT-06	Z. Lucas Uhm (엄정휘)	E
11:00~ 11:15	구GC-21	Hyeon-Woo Jeong (정현우)	K	구EHB-03	Sungwook E. Hong (홍성욱)	T	구HT-07	Donggeun Tak (탁동근)	T
11:15~ 11:30	구GC-22	Maxime Rey	E	구EHB-04	Sun-Ju Chung (정선주)	K	구HT-08	Seonho Kim (김선호)	K
11:30~ 11:45				구EHB-05	Yeon-Ho Choi (최연호)	K	구HT-09	Ayan Bhattacharjee	E
11:45~ 12:00				discussion			구HT-10	Gwangeon Seong (성광언)	K
12:00~ 13:30	점심시간								
시간표	은하 진화/은하단 5 Galaxy evolution / Galaxy clusters 5 [좌장 : Jeffrey Hodgson]			[특] Square Kilometer Array [좌장 : Jae-Young Kim(김재영)]			[특] 중력파관측기술 Gravitational Wave Detection Technology [좌장 : Chunglee Kim(김정리)]		
13:30~ 13:45	구GC-23	Lael Shin (신라엘)	E	구SKA-01	Bong Won Sohn (손봉원)	K	구GW-01	Gungwon Kang (강궁원)	K
13:45~ 14:00	구GC-24	Dachan Kim (김다찬)	K	구SKA-02	Minji Oh (오민지)	E	구GW-02	Chan Park (박찬)	K
14:00~ 14:15	구GC-25	Gain Lee (이가인)	E	구SKA-03	Hyein Yoon (윤혜인)	E	구GW-03	Young-Sik Ra (라영식)	K
14:15~ 14:30	구GC-26	Seyoung Jeon (전세영)	K	구SKA-04	Thiem Hoang	E	구GW-04	Hojae Ahn (안호재)	K
14:30~ 14:45	구GC-27	Minsung Ko (고민성)	K	구SKA-05	Wonki Lee (이원기)	E	구GW-05	Sumin Lee (이수민)	K
14:45~ 15:00	구GC-28	Hee-Gyeong Kim (김희경)	K	구SKA-06	Dongsu Ryu (류동수)	K	구GW-06	Sungho Lee (이성호)	K
15:00~ 15:20	우수포스터상 시상 및 폐회								

Schedule of Poster Session 04. 17 ~ 19

POSTER SIZE : A0

분야	번호	이름		분야	번호	이름	
고에너지/ 이론천문학	PHT-01	Kyungmin Kim	김경민	외부은하/ 은하단	PGC-01	Ryoungwook Kang	강령욱
천문우주 관측기술	PAT-01	Archita Rai			PGC-02	Hyung-Joe Kwon	권형조
	PAT-02	Gyoik Kim	김교익		PGC-03	Duho Kim	김두호
	PAT-03	Hyun-Il Sung	성현일		PGC-04	Minsu Kim	김민수
	PAT-04	Chung-Uk Lee	이충욱		PGC-05	Ji Hoon Kim	김지훈
	PAT-05	Hyeonho Choi	최현호		PGC-06	Hak-Sub Kim	김학섭
공간물질/ 별생성/ 우리은하	PIM-01	Bon-Chul Koo	구본철		PGC-07	Myeong-Seok Nam	남명석
	PIM-02	Yesol Kim	김예솔		PGC-08	Shan Li	
	PIM-03	Giseon Baek	백기선		PGC-09	Hongjae Moon	문홍재
	PIM-04	Hyunwoo Song	송현우		PGC-10	Taehyeon Bang	방태현
	PIM-05	Hyeon-Jeong Youn	윤현정		PGC-11	Youngmin Baek	백영민
	PIM-06	Hyunwook Jheonn	전현욱		PGC-12	Chanwoo Song	송찬우
	PIM-07	Seung-Hoon Jung	정승훈		PGC-13	Seong-Kook Lee	이성국
	PIM-08	Daniel Han	한다니엘		PGC-14	Yu-Ra Lee	이유라
태양 우주환경	PSS-01	Hannah Kwak	곽한나		PGC-15	Jaehyun Lee	이재현
	PSS-02	Jin-Yi Lee	이진이		PGC-16	Eunsoo Jun	전은수
항성, 항성계/ 외계행성	PSA-01	Sang Bum Ko	고상범		PGC-17	Whee Yeon Cheong	정위연
	PSA-02	Jiyu Kim	김지유		PGC-18	Taebong Jeong	정태봉
	PSA-03	Chun-Hwey Kim	김천휘		PGC-19	Hayeong Jeong	정하영
	PSA-04	Jae-Woo Lee	이재우		PGC-20	Yunyi Choi	최윤이
	PSA-05	Jin Lim	임진		PGC-21	Seongbong Han	한성봉
	PSA-06	Dongwook Lim	임동욱		PGC-22	Jeong-Sun Hwang	황정선
기타	PHE-01	Daehyun Kim	김대현	우주론	PCD-01	Seungjae Lee	이승재
	PHE-02	Su-Chan Bong	봉수찬	천문화학/ 천문생물학	PAA-01	Jihyun Kang	강지현

제1발표장 첫째날 : 04월 17일 (수)

13:00~14:00

등록

초청강연 1

좌장 : Sung-Chul Yoon(윤성철)[SNU]

14:00~14:40 초 IT-01

Exploring Transient Universe: Supernova Explosion and Before and After

Jeonghee Rho(노정희)[SETI]

14:40~15:00 휴식시간

은하 진화/은하단 1 +
우주론/암흑물질, 암흑에너지
Cosmology/Dark Matter, Dark Energy
Galaxy evolution/Galaxy clusters

좌장 : Suk Kim(김석)[CNU]

15:00~15:30 박 GC-01

Weak Lensing Study of High-Redshift Galaxy Clusters with the Hubble Space Telescope Imaging Data: Verifying the Λ CDM and Constructing Mass Scaling Relations.

Jinhyub Kim(김진협)[University of Oxford], Myungkook James Jee(지명국),
HyeongHan Kim(김형한)[Yonsei University]

15:30~15:45 구 GC-02

Unveiling the Dark Matter Distribution in the Perseus Cluster: A Weak-Lensing Analysis with Subaru/Hyper Suprime-Cam

HyeongHan Kim(김형한)[Yonsei University],
M. James Jee(지명국)[University of California/Yonsei University]

15:45~16:00 구 GC-03

CHEX-MATE: CLUster Multi-Probes in Three Dimensions (CLUMP-3D)

Junhan Kim(김준한)[KAIST], Jack Sayers[Caltech], Mauro Sereno[INAF/INFN],
CHEX-MATE Collaboration

16:00~16:15 구 GC-04

Probing galaxy size-dark matter halo radius relation using weak lensing

Preetish K. Mishra[KIAS]

16:15~16:30 구 GC-05

Constraining Cosmological Parameters through Strong Lensing

Sangjun Cha(차상준)[Yonsei University],
M. James Jee(지명국)[University of California/Yonsei University]

16:30~16:45 구 GC-06

The Galaxy Number Density Profile of Halos

Fei Qin[KIAS/KASI]

16:45~17:00 구 GC-07

QUOKKAS, astronomy and geodesy together for weekly global VLBI observations

Jeffrey A. Hodgson[Sejong University]

초청강연 1(제1발표장)

좌장 : Sung-Chul Yoon(윤성철)[SNU]

14:00~14:40 초 IT-01

Exploring Transient Universe: Supernova Explosion and Before and After

Jeonghee Rho(노정희)[SETI]

14:40~15:00 휴식시간

항성, 항성계/외계행성

Star, Stellar Systems/Exoplanets

좌장 : Dongwook Lim(임동욱)[Yonsei University]

15:00~15:15 구 SA-01

The characteristics of anti-correlated variations in timing and brightness of minimum and maximum lights of contact binary stars and their implications: II. The physical implications of anti-correlated variations

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

15:15~15:30 구 SA-02

Photometric and Spectroscopic Analysis of Near-Contact Binary system XZ Canis Minoris

Hye-Young Kim(김혜영)[CBNU], Kyeongsoo Hong(홍경수), Jae Woo Lee(이재우)[KASI],
Chun-Hwey Kim(김천휘), Min-Ji Jeong(정민지)[CBNU], Jang-Ho Park(박장호)[KASI],
Mi-Hwa Song(송미화)[CBNU]

15:30~15:45 구 SA-03

Large mass transfer dwarf nova KSP-OT-201712a with short orbital period and a hot secondary

Youngdae Lee(이영대)[CNU], Dae-Sik Moon(문대식)[University of Toronto],
Sang Chul Kim(김상철), Hong Soo Park(박홍수)[KASI/UST], Yuan Qi Ni

15:45~16:00 구 SA-04

Theoretical Model of the Vertical Shear Instability on Thermally Stratified Disks

Han-Gyeol Yun(윤한결), Woong-Tae Kim(김웅태)[SNU],
Jaehan Bae(배재한)[University of Florida]

16:00~16:15 구 SA-05

Analysis of exoplanetary atmospheres with IGRINS

Jinhee Lee(이진희)[KASI/Steward Observatory], Jae-Joon Lee(이재준)[KASI],
Changwoo Kye(계창우)[SNU]

16:15~16:30 구 SA-06

Multiple Stellar Populations of the LMC GC NGC 2257

Jae-Woo Lee(이재우), Tae-Hyeong Kim(김태형), Hak-Sub Lee(이학섭)[Sejong University],
Hyun-Il Sung(성현일)[KASI]

16:30~16:45 구 SA-07

Unraveling the Dynamics: A Study of Asymmetric Outward Motion and Mass-Loss History in the Circumstellar Envelope of WX Psc through ALMA and KVN Observations

Bianca Els[CBNU], Youngjoo Yun(윤영주)[KASI], Kyung-Won Suh(서경원)[CBNU]

16:45~17:00 석 SA-08

Simultaneous Multi-mAser Survey Toward Evolved Stars (SMASTES) I.

Hyun Baek(백현)[CBNU/SNU], Se-Hyung Cho(조세형)[SNU/KASI],
Jaeheon Kim(김재현)[KASI.SNU], Seong-Min Son(손성민)[CBNU/SNU],
Dong-Hwan Yoon(윤동환)[KASI], Kyung-Won Suh(서경원)[CBNU]

초청강연 1(제1발표장)

좌장 : Sung-Chul Yoon(윤성철)[SNU]

14:00~14:40 초 IT-01

Exploring Transient Universe: Supernova Explosion and Before and After

Jeonghee Rho(노정희)[SETI]

14:40~15:00 휴식시간

성간물질/별생성/우리은하 + 천문화학/천문생물

Interstellar matter/Star formation/Milky Way Galaxy

좌장 : Jihyun Kang(강지현)[KASI]

15:00~15:15 구 IM-01

Detection of new class I methanol maser transition around two protostars HOPS 108, HOPS 373 in Orion molecular cloud.

Jae-Hong Jeong(정재홍), Jeong-Eun Lee(이정은), Chul-Hwan Kim(김철환)[SNU], Jes K. Jørgensen[University of Copenhagen], Audrey Coutens[Université Toulouse], Maria N. Drozdovskaya[Universität Bern], Adele Plunkett[NRAO], the COMPASS team.

15:15~15:30 구 IM-02

Connecting CO blobs detected by ALMA and JWST observations

Chul-Hwan Kim(김철환), Jeong-Eun Lee(이정은)[SNU], Samuel Federman[University of Toledo], Seokho Lee(이석호)[KASI], Neal J. Evans[University of Texas], Thomas Megeath[University of Toledo], Adam E. Rubinstejn[University of Rochester], Robert Gutermuth[University of Massachusetts Amherst], Doug Johnstone[NRC/University of Victoria], Gregory Herczeg[Peking University], Yao-Lun Yang[RIKEN], Mayank Narang[Institute of Astronomy and Astrophysics Academia Sinica/Tata Institute of Fundamental Research], Chin-Fei Lee[Academia Sinica Institute of Astronomy and Astrophysics/National Taiwan University], Himanshu Tyagi, P. Manoj[Tata Institute of Fundamental Research], Dan M. Watson[University of Rochester]

15:30~15:45 구 IM-03

Relationship between Luminosity and Water Snowline Using Radiative Transfer Model

Young-Jun Kim(김영준), Jeong-Eun Lee(이정은)[SNU], Seokho Lee(이석호)[KASI], Giseon Baek(백기선)[SNU]

15:45~16:00 구 IM-04

Probing 3D magnetic fields using dust polarization and grain alignment theory

Gia Bao Truong Le, Thiem Hoang, [KASI/UST]

16:00~16:15 구 IM-05

Impact of Iron Inclusions and Radiative Torque Disruption on Polarized Dust Emission in Protostellar Outflow of Intermediate Class 0/I YSOs

Nguyen Chau Giang[KASI/UST], V. J. M Le Gouellec[NASA], Thiem Hoang[KASI/UST]

16:15~16:30 구 IM-06

Comparative Study of Star Formation Models in a Cosmological Simulation: Sink Particle vs. Subgrid Approach

Cheonsu Kang(강천수), Taysun Kimm(김태선), Daniel Han(한다니엘)[Yonsei University], Harley Katz[University of Oxford]

16:30~16:45 구 IM-07

Effects of Halo Spin on Bar Formation in Disk Galaxies

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

초청강연 2

좌장 : Jubee Sohn(손주비)[SNU]

09:30~10:10 초 IT-02

Introduction of Subaru Telescope

Satoshi Miyazaki[NAO]/SOKENDAI]

10:10~10:30 휴식시간

은하 진화/은하단 2

Galaxy evolution/Galaxy clusters 2

좌장 : Narae Hwang(황나래)[KASI]

10:30~11:00 박 GC-08

On the origin of radio relics in merging galaxy clusters and their implementation in understanding the merger history

Wonki Lee(이원기)[Yonsei University],
Myungkook James Jee(지명국)[University of California/Yonsei University]

11:00~11:15 구 GC-09

HI kinematic properties of dwarf galaxies in Virgo Cluster

Jaebom Kim(김재범), Se-Heon Oh(오세현), Minsu Kim(김민수)[Sejong University],
Hong-Xin Zhang[University of Science and Technology of China],
Elias Brinks[University of Hertfordshire], AVID team

11:15~11:30 구 GC-10

Morphological Transformations of Dwarf Galaxies in the Virgo Cluster: The Role of Environmental Effects

Suk Kim(김석), Soo-chang Rey(이수창), Youngdae Lee(이영대)[CNU]

11:30~11:45 구 GC-11

The Intracluster Light and Its Link with the Dynamical State of the Host Group/Cluster: The Role of the Halo Concentration

Emanuele Contini, Seyoung Jeon(전세영), Jinsu Rhee(이진수), San Han(한산),
Sukyong K. Yi(이석영)[Yonsei University]

11:45~12:00 구 GC-12

Unveiling the Origins and Evolution of Intracluster Light with Horizon Run 5

Hyungjin Joo(주형진), M. James Jee(지명국)[Yonsei University], Jaehyun Lee(이재현),
Juhan Kim(김주한)[KIAS], Jongwan Ko(고종완)[KASI/UST], Jihye Shin(신지혜)[KASI],
Changbom Park(박창범)[KIAS]

12:00~13:30

점심시간

은하 진화/은하단 3

Galaxy evolution/Galaxy clusters 3

좌장 : Junhan Kim(김준한)[KAIST]

13:30~13:45 구 GC-13

Galaxy Morphology in JWST Fields: How Observations Can be Compared with Simulations?

Jeong Hwan Lee(이정환)[KNU], Changbom Park(박창범)[KIAS], Ho Seong Hwang(황호성),
Minsung Kwon(권민성)[SNU]

13:45~14:00 구 GC-14

Impact of star formation and AGN feedback on the ionized gas velocity dispersion

Sree Oh(오슬희)[Yonsei University]

14:00~14:15 구 GC-15

RVSNUpy: A new python package to measure the redshifts.

Taewan Kim(김태완), Ho Seong Hwang(황호성), Jubee Sohn(손주비)[SNU]

제1발표장 둘째날 : 04월 18일 (목)

은하 진화/은하단 3

Galaxy evolution/Galaxy clusters 3

좌장 : Junhan Kim(김준한)[KAIST]

14:15~14:30 구 GC-16

Potential Cluster Structure near a Extremely Massive Quasar

Insu Paek(백인수), Myungshin Im(임명신)[SNU],
Hyunsung Jun(전현성)[SNU/Northwestern College]

14:30~14:45 구 GC-17

A Largescale View of the Globular Cluster System in Abell 1367

Brian S. Cho(조브라이언), Myung Gyoon Lee(이명균), Jubee Sohn(손주비)[SNU],
In Sung Jang(장인성)[University of Chicago]

14:45~15:00 구 GC-18

Korean Rubin Data Right Holder Status Update and Next Step Forward

Narae Hwang(황나래), Yun-Kyeong Sheen(신윤경), Yujin Yang(양유진), Hong Soo Park(박홍수),
Byeong-Gon Park(박병곤)[KASI]

15:00~15:10 휴식시간

개회식 및 시상

15:10~15:30 - 개회사 : 박병곤 한국천문학회 학회장

- 시상

+ 셋별상 : 허현호 회원(경북대학교)

+ 윤홍식 태양권천문학 박사연구 학술상 : 강주형 회원(서울대학교)

+ 공로패 : 김현구 회원(한국천문연구원)

초청강연 3

좌장 : Ryun Young Kwon(권윤영)[KASI]

15:30~16:10 초 IT-03

What Does It Generate the Two-dimensional Patterns of Umbral Oscillations?

Juhyung Kang(강주형), Jongchul Chae(채종철)[SNU], Kyuhyun Cho(조규현)[Bay Area
Environmental Research Institute/Lockheed Martin Solar and Astrophysics Laboratory],
Soosang Kang(강수상)[SNU], Eun-Kyung Lim(임은경)[KASI], Jooyeon Geem(김주연)[SNU]

16:10~16:30 사진촬영

16:30~17:30 포스터 발표 및 분과회의

태양계

Solar System

좌장 : In-Ok Song(송인옥)[KSA]

17:30~17:45 구 SS-01

Polarimetric Measurements of Lunar Soils by Particle Size

Serin Kim(김세린)[KASI/UST], Shuai Li[University of Hawaii], Minsup Jeong(정민섭)[KASI],
Kilho Baek(백길호), Sungsoo S. Kim(김성수)[KHU], Eunjin Cho(조은진)[CNU],
Young-Jun Choi(최영준)[KASI/UST]

17:45~18:00 구 SS-02

Interpretation of the Lunar Surface Evolution Combining Space Weathering and Impact
Gardening

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

제1발표장 둘째날 : 04월 18일 (목)

태양계
Solar System

좌장 : In-Ok Song(송인옥)[KSA]

18:00~18:15 구 SS-03

Shape and Spin State of Asteroids from Gaia and KMTNet Light Curve Datasets

Hee-Jae Lee(이희재), Myung-Jin Kim(김명진), Hong-Kyu Moon(문홍규)[KASI],
Young-Jun Choi(최영준)[KASI/UST]

18:15~18:30 구 SS-04

NSOS- α : PROGRESS REPORT

Myung-Jin Kim(김명진), Hong-Suh Yim(임홍서), Jaemann Kyeong(경재만),
Youngmin JeongAhn(정안영민), Hee-Jae Lee(이희재), Hong-Kyu Moon(문홍규),
Dong-Goo Roh(노동구), Jung Hyun Jo(조중현), Jang-Hyun Park(박장현),
Youn Kil Jung(정연길), Sungki Cho(조성기)[KASI]

18:40~21:00 만찬

제2발표장 둘째날 : 04월 18일 (목)

초청강연 2 (제1발표장)

좌장 : Jubee Sohn(손주비)[SNU]

09:30~10:10 초 IT-02

Introduction of Subaru Telescope

Satoshi Miyazaki[NAO]/SOKENDAI]

10:10~10:30 휴식시간

천문우주관측기술

Astronomical Instrumentation

좌장 : Chan Park(박찬)[KASI]

10:30~11:00 초 AT-01

ULTIMATE-Subaru: toward the bright future of the Subaru Telescope

Yusei Koyama[NAO]]

11:00~11:15 구 AT-02

The 7-Dimensional Telescope: Current Status and Early Commissioning Results

Myungshin Im(임명신)[SNU], 7DT/7DS Team

11:15~11:30 구 AT-03

7DT/7DS: Photometric Calibration with Gaia DR3 XP and Correction Process

Gregory S.H. Paek(백승학), Myungshin Im(임명신), Seo-Won Chang(장서원),
Hyeonho Choi(최현호), Ji-hoon Kim(김지훈)[SNU]

11:30~11:45 구 AT-04

The Robotic MAAO 0.7m Telescope System

Gu Lim(임구), Dohyeong Kim(김도형)[PNU], Seonghoon Lim(임성훈)[PNU/GSEC],
Myungshin Im(임명신), Hyeonho Choi(최현호)[SNU], Jaemin Park(박재민)[PNU],
Keun-Hong Park(박근홍), Junyeong Park(박준영), Chaudhary Muskaan,
Donghyun Kim(김동현), Haeong Jeong[PNU]

11:45~12:00 구 AT-05

Design and Development of Exposure Time Calculator for Maunakea Spectroscopic Explorer

Tae-Geun Ji(지태근)[KHU], Jennifer Sobeck[California Institute of Technology],
Changgon Kim(김창곤), Hojae Ahn(안호재)[KHU], Mingyeong Yang(양민경)[KASI/UST],
Taeun Kim(김태은)[KHU], Sungwook E. Hong(홍성욱)[KASI/UST], Kei Szeto[CFHT/National
Research Council Canada], Jennifer L. Marshall[Texas A&M University],
Christian Surace[Aix-Marseille Université], Soojong Pak(박수종)[KHU]

12:00~13:30

점심시간

[특] Heliospheres: Basics and Frontiers

좌장 : Eun-Kyung Lim(임은경)[KASI]

13:30~14:00 초 HBF-01

Hitch-Hiker's Guide to Current Issues in Seismology of Sun and Stars

Heon-Young Chang(장현영)[KNU]

14:00~14:30 초 HBF-02

Detecting Stellar Flares and Erupting Prominences on a "Young Sun" EK Dra from BOES Observations: the first report

Jongchul Chae(채종철)[SNU]

14:30~14:45 구 HBF-03

Multi-line Observation of Stellar Flares on the M-dwarf AD Leo with Bohyunsan Optical Echelle Spectrograph (BOES)

Younghun Oh(오영훈), Jongchul Chae(채종철), Juhyung Kang(강주형),
Soosang Kang(강수상)[SNU]

14:45~15:00 Discussion

제2발표장 둘째날 : 04월 18일 (목)

15:00~15:10 휴식시간

개회식 및 시상

15:10~15:30
- 개회사 : 박병근 한국천문학회 학회장
- 시상
+ 셋별상 : 허현호 회원(경북대학교)
+ 윤희식 태양권천문학 박사연구 학술상 : 강주형 회원(서울대학교)
+ 공로패 : 김현구 회원(한국천문연구원)

초청강연 3 (제1발표장)

좌장 : Ryun Young Kwon(권윤영)[KASI]

15:30~16:10 초 IT-03

What Does It Generate the Two-dimensional Patterns of Umbral Oscillations?
Juhyung Kang(강주형), Jongchul Chae(채종철)[SNU], Kyuhyoun Cho(조규현)[Bay Area Environmental Research Institute/Lockheed Martin Solar and Astrophysics Laboratory], Soosang Kang(강수상)[SNU], Eun-Kyung Lim(임은경)[KASI], Jooyeon Geem(김주연)[SNU]

16:10~16:30 사진촬영

16:30~17:30 포스터 발표 및 분과회의

태양우주환경

Sun and Space Environment

좌장 : Jongchul Chae (채종철)[SNU]

17:30~17:45 구 SS-05

Reinterpreting Radio Responses to Wide Coronal Shock Waves to Relate Stellar Radio Bursts

Ryun Young Kwon(권윤영), Sujin Kim(김수진), Su-Chan Bong(봉수찬)[KASI]

17:45~18:00 구 SS-06

Suggestions for the Development of an Advanced Fast Imaging Solar Spectrograph

Heesu Yang(양희수), Eun-Kyung Lim(임은경), Donguk Song(송동욱), Hannah Kwak(곽한나)[KASI]

18:00~18:15 구 SS-07

Chromospheric Imaging Spectrograph for L4 mission: status and plans

Eun-Kyung Lim(임은경), Donguk Song(송동욱), Sung-Hong Park(박성홍), Jeong-Yeol Han(한정열), Kyung-Suk Cho(조경석), Seonghwan Choi(최성환), Rok-Soon Kim(김록순), Jungjoon Seough(서정준), Junga Hwang(황정아)[KASI]

18:15~18:30 구 SS-08

Intensity-velocity Correlation and Radiative Relaxation Time in Umbral Oscillations (optionally title in Korean in parentheses)

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

18:40~21:00 만찬

초청강연 2 (제1발표장)

좌장 : Jubee Sohn(손주비)[SNU]

09:30~10:10 초 IT-02

Introduction of Subaru Telescope

Satoshi Miyazaki[NAO]/SOKENDAI]

10:10~10:30 휴식시간

교육홍보 + 고천문학/천문역법

Education + Historical Astronomy

좌장 : Jungjoo Sohn(손정주)[KNUE]

10:30~10:45 구 AH-01

Theory of lunar motion described in 《Li xiàng kǎo chéng hòu piān》

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

10:45~11:00 구 AH-02

The Daily Astronomical Log and Halley's Comet

Hong-Jin Yang(양홍진)[KASI/UST/UNESCO registration Promotion Committee for
Seongbyeoncheukhudanja], Hyo jun Lee(이효준)[KASI/UST],
Hyung Mok Lee(이형목)[SNU/UNESCO registration Promotion Committee for
Seongbyeoncheukhudanja]

11:00~11:15 구 AH-03

Astronomical Observation Daily Logs of Halley's Comet in 1759

Hyo jun Lee(이효준)[KASI/UST], Hong-Jin Yang(양홍진)[KASI/UST/UNESCO registration
Promotion Committee for Seongbyeoncheukhudanja], Hyunjun Na(나현준)[SNU],
Ho Seong Hwang(황호성), Hyung Mok Lee(이형목)[SNU/UNESCO registration Promotion
Committee for Seongbyeoncheukhudanja]

11:15~11:30 구 AH-04

Science of Space Exploration as a High School Science Subject

Sungsoo S. Kim(김성수)[KHU]

11:30~11:45 구 AH-05

Introduction to the organization and operation of the Korean Amateur Astronomy Society

Sang Hyun Lee(이상현)[KASI/University of Ulsan], Hyekung Lee(이혜경)[KAAS]

11:45~12:00 구 AH-06

2024 K-GMT Science Program Report

Soung-Chul Yang(양성철), Ji Yeon Suk(석지연), Eun Chong Kim(김은정),
Sang Hyun Chun(천상현)[KASI]

12:00~13:30

점심시간

[특] KMTNet Synoptic Survey of Southern Sky 좌장 : Joonho Kim (김준호)[DNSM]

13:30~13:45 구 KS4-01

KMTNet Synoptic Survey of Southern Sky (KS4): Overview of KS4 Data Release 1

Seo-Won Chang (장서원), Mankeun Jeong(정만근), Myungshin Im(임명신)[SNU],
Joonho Kim[DNSM], Bomi Park(박보미)[SNU], KS4 collaborations

13:45~14:00 구 KS4-02

KS4 Image Reduction and Photometric Calibration Pipeline

Mankeun Jeong(정만근), Myungshin Im(임명신), Seo-Won Chang(장서원)[SNU],
Joonho Kim(김준호)[SNU/DNSM], Sunho Jung(정선호), and Gregory Paek[SNU]

14:00~14:15 구 KS4-03

Mapping Galaxy Clusters at $z < 0.8$ by Red Sequence Method in KS4 DR1Bomi Park(박보미), Myungshin Im(임명신)[SNU], Joonho Kim(김준호)[DNSM],
Minhee Hyun(현민희)[KASI], Seong-Kook Lee(이성국), Hyunsung Jun(전현성),
Eunhee Ko(고은희)[SNU], KS4 team

제3발표장 둘째날 : 04월 18일 (목)

[특] KMTNet Synoptic Survey of Southern Sky 좌장 : Joonho Kim (김준호)[DNSM]

14:15~14:30 구 KS4-04

Exploring Unobscured Low-z QSOs in the Southern Hemisphere through Photometric Selection with KS4

Yongjung Kim(김용정)[KASI], Minjin Kim(김민진)[KNU], Myungshin Im(임명신),
Seo-Won Chang(장서원), Mankeun Jeong(정만근)[SNU], Woowon Byun(변우원)[KASI],
Joonho Kim(김준호)[DNSM], KS4 Team4

14:30~14:45 구 KS4-05

High redshift quasar candidates in the southern sky with KS4

Jaewon Lee(이재원), Myungshin Im(임명신), Seo-Won Chang(장서원),
Mankeun Jeong(정만근)[SNU], KS4 team

14:45~15:00 Discussion

15:00~15:10 휴식시간

개회식 및 시상

15:10~15:30 - 개회사 : 박병곤 한국천문학회 학회장

- 시상

+ 셋별상 : 허현호 회원(경북대학교)

+ 윤홍식 태양권천문학 박사연구 학술상 : 강주형 회원(서울대학교)

+ 공로패 : 김현구 회원(한국천문연구원)

초청강연 3 (제1발표장)

좌장 : Ryun Young Kwon(권윤영)[KASI]

15:30~16:10 초 IT-03

What Does It Generate the Two-dimensional Patterns of Umbral Oscillations?

Juhyung Kang(강주형), Jongchul Chae(채종철)[SNU], Kyuhyoun Cho(조규현)[Bay Area
Environmental Research Institute/Lockheed Martin Solar and Astrophysics Laboratory],
Soosang Kang(강수상)[SNU], Eun-Kyung Lim(임은경)[KASI], Jooyeon Geem(김주연)[SNU]

16:10~16:30 사진촬영

16:30~17:30 포스터 발표 및 분과회의

고에너지/이론천문학 1

High energy astronomy/Theoretical astronomy

좌장 : Yeong-Bok Bae (배영복)[Chung-Ang University]

17:30~17:45 구 HT-01

Impact of irradiation of central two mini-accretion disks on a circumbinary disk spectrum in a binary black hole system

Yunewoo Lee(이윤우)[CBNU], Atsuo T. Okazaki[Hokkai-Gakuen University],
Kimitake Hayasaki[CBNU]

17:45~18:00 구 HT-02

Constraining Observable Black Hole Mass through Thermal X-ray Spectra Emitted from Accretion Disks in Tidal Disruption Events.

Jaewook Lee(이재욱), T. Mageshwaran, Kimitake Hayasaki[CBNU]

18:00~18:15 구 HT-03

Evolution of Tidal Disruption Event Disks with Magnetically Driven Winds

Mageshwaran Tamilan, Kimitake Hayasaki[CBNU]

18:15~18:30 구 HT-04

Research and Technical Support Programs in Computational Astrophysics using Heterogeneous Systems and AI.

Yonghwi Kim(김용휘)[KISTI]

18:40~21:00 만찬

초청강연 4

좌장 : Sungho Lee(이성호)[KASI]

09:30~10:10 초 IT-04

Einstein Telescope, a 3G gravitational wave observatory.

Luca Naticchioni[INFN]

10:10~10:30

휴식시간

은하 진화/은하단 4

Galaxy evolution/Galaxy clusters 4

좌장 : Sree Oh (오슬희)[Yonsei University]

10:30~10:45 구 GC-19

The Mass Function and the Active Fraction of the Intermediate-mass Black Holes

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

10:45~11:00 구 GC-20

Modified 3D Biconical Outflow Models: Constraints on the AGN-driven Outflows Based on Mock Observational Data

Changseok Kim(김창석), Jong-Hak Woo(우종학)[SNU]

11:00~11:15 구 GC-21

A decadal polarimetric variation on 3C 454.3 in millimeter wavelengths

Hyeon-Woo Jeong(정현우), Sang-Sung Lee(이상성)[UST/KASI]

11:15~11:30 구 GC-22

Exploring the subtleties of feedback processes in the CGM through galaxy simulations

Maxime Rey[Yonsei University/CRAL], Blaizot Jeremy[CRAL],
Taysun Kimm[Yonsei University], Joakim Rosdahl[CRAL].

12:00~13:30

점심시간

은하 진화/은하단 5

Galaxy evolution/Galaxy clusters 5

좌장 : Jeffrey Hodgson[Sejong University]

13:30~13:45 구 GC-23

A New IllustrisTNG-300 Cluster Catalog Constructed Based on the Mulguishin Algorithm

Lael Shin(신라엘), Jubee Sohn(손주비)[SNU]

13:45~14:00 구 GC-24

Galaxy-Galaxy Blending in SPHEREx Survey Data

Kim Dachan(김다찬), Hyunmi Song(송현미)[CNU], Yigon Kim(김이곤), Minjin Kim(김민진),
Hyunjin Shim(심현진)[KNU], Dohyeong Kim(김도형)[PNU], Yongjung Kim(김용정),
Bomee Lee(이보미)[KASI], Jeong Hwan Lee(이정환)[KNU], Woong-Seob Jeong(정웅섭)[KASI],
Yujin Yang(양유진)[KASI/UST]

14:00~14:15 구 GC-25

Understanding the Formation and Evolution of Dark Galaxies in a Simulated Universe

Gain Lee(이가인), Ho Seong Hwang(황호성)[SNU], Jaehyun Lee(이재현), Jihye Shin
(신지혜)[KASI], Hyunmi Song(송현미)[CNU]

14:15~14:30 구 GC-26

Revisiting the Missing Satellite Problem and Starless Subhalos

Seyoung Jeon(전세영), Sukyoung K. Yi(이석영)[Yonsei University]

14:30~14:45 구 GC-27

Mitigating the Discrepancy: Bridging the Gap Between Observations and Simulations in the Mass-Metallicity Relation (MZR) within the Ultra-Faint Dwarf (UFD) Regime.

Minsung Ko(고민성), Myoungwon Jeon(전명원)[KHU]

제1발표장 세째날 : 04월 19일 (금)

은하 진화/은하단 5

Galaxy evolution/Galaxy clusters 5

좌장 : Jeffrey Hodgson[Sejong University]

14:45~15:00 구 GC-28

Study of Lyman Alpha Radiative Transfer in Rotating CGM

Hee-Gyeong Kim(김희경)[KASI/UST], Seok-Jun Chang(장석준), Max Gronke[Max Planck
Institute], Kwang-Il Seon(선광일)[KASI/UST]

15:00~15:20

우수포스터상 시상 및 폐회

제2발표장 세째날 : 04월 19일 (금)

초청강연 4 (제1발표장)

좌장 : Sungho Lee(이성호)[KASI]

09:30~10:10 초 IT-04

Einstein Telescope, a 3G gravitational wave observatory.

Luca Naticchioni[INFN]

10:10~10:30

휴식시간

[특] Exoplanet, Habitability and Biosignature

좌장 : Sung-Chul Yoon(윤성철)[SNU]

10:30~10:45 구 EHB-01

Origins of biological homochirality: Spin-polarized electrons and magnetically aligned grains as chiral symmetry breaking agents

Thiem Hoang[KASI/UST]

10:45~11:00 구 EHB-02

Planetary Complexity Revealed by the Joint Differential Entropy of Eigencolors

David Parkinson[KASI], Gary Segal[University of Queensland],

Stuart Bartlett[California Institute of Technology]

11:00~11:15 구 EHB-03

Panspermia in a Milky Way-like Galaxy

Sungwook E. Hong(홍성욱)[KASI/UST], Raphael Gobat[Universidad Católica de Valparaíso],

Owain Snaith[University of Exeter], Sungryong Hong(홍성용)[KASI]

11:15~11:30 구 EHB-04

Exoplanet statistics from KMTNet

Sun-Ju Chung(정선주)[KASI], Andrew Gould[Ohio State University/Max-Planck-Institute],

Jennifer C. Yee[Harvard & Smithsonian], Youn Kil Jung(정연길)[KASI],

Michael D. Albrow[University of Canterbury], Kyu-Ha Hwang(황규하)[KASI],

Cheongho Han(한정호)[CBNU], Yoon-Hyun Ryu(류윤현)[KASI], In-Gu Shin[Harvard &

Smithsonian], Yossi Shvartzvald[Weizmann Institute of Science, Hongjing Yang[Tsinghua

University], Weicheng Zang[Harvard & Smithsonian], Sang-Mok Cha(차상목)[KASI/KHU],

Dong-Jin Kim(김동진), Seung-Lee Kim(김승리), Chung-Uk Lee(이충욱),

Dong-Joo Lee(이동주)[KASI], Yongseok Lee(이용석)[KASI/KHU],

Byeong-Gon Park(박병곤)[KASI], Richard W. Pogge[Ohio State University]

(KMTNet collaboration)

11:30~11:45 구 EHB-05

Preliminary result obtained through high-resolution cross-correlation spectroscopy of hot Jupiter, WASP-69b, using Gemini-S/IGRINS

Yeon-Ho Choi(최연호), Byeong-Cheol Lee(이병철)[KASI/UST], Jae-Joon Lee(이재준)[KASI],

Sai Krishna Teja Kanumalla[Arizona State University],

Jinhee Lee(이진희)[KASI/Steward Observatory]

11:45~12:00 Discussion

12:00~13:30

점심시간

[특] Square Kilometer Array

좌장 : Jae-Young Kim (김재영)[KNU]

13:30~13:45 구 SKA-01

Overview of the SKA Korea Project

Bong Won Sohn(손봉원)[KASI], SKA Korea

13:45~14:00 구 SKA-02

Final result on SKA Science Data Challenge 3a on foreground removal

Minji Oh(오민지)[Chosun University], JunHyun Baek(백준현)[Yonsei University],
Sungwook E. Hong(홍성욱), Hyunwoo Kang(강현우)[KASI], Jaebeom Kim(김재범),
Minsu Kim(김민수), Shinna Kim(김신나)[Sejong University], Dahee Lee(이다희)[Chosun
University], Eunyu Lee(이은유), Hyeseung Lee(이혜승), Namuk Lee(이남욱)[UNIST],
Se-Heon Oh(오세현)[Sejong University], Jaehong Park(박재홍), David Parkinson,
Bong Won Sohn(손봉원)[KASI], Kyungjin Ahn(안경진)[Chosun University]

14:00~14:15 구 SKA-03

The SKA View of Extragalactic Neutral Hydrogen Gas in the Universe

Hyein Yoon(윤혜인)[SNU/University of Sydney], Elaine Sadler[University of
Sydney/ASTRO/CSIRO], Elizabeth Mahony[CSIRO], the ASKAP-FLASH Team

14:15~14:30 구 SKA-04

Shaping the Galactic Ecosystem with Magnetism: Synergies of SKA and Dust Polarization

Thiem Hoang[KASI/UST]

14:30~14:45 구 SKA-05

MeerKAT view of the radio jet redistributions inside the cluster merger Abell 514

Wonki Lee(이원기)[Yonsei university], M. James Jee(지명국)[Yonsei university/University of
California], HyeongHan Kim(김형한)[Yonsei university],
Kenda Knowles[Rhodes University], Ruta Kale[NCRA]

14:45~15:00 구 SKA-06

Study of Galaxy Clusters in the SKA Era

Dongsu Ryu(류동수)[UNIST]

15:00~15:20

우수포스터상 시상 및 폐회

초청강연 4 (제1발표장)

좌장 : Sungho Lee(이성호)[KASI]

09:30~10:10 초 IT-04

Einstein Telescope, a 3G gravitational wave observatory.

Luca Naticchioni[INFN]

10:10~10:30

휴식시간

고에너지/이론천문학 2

High energy astronomy/Theoretical astronomy

좌장 : Hongjun An (안홍준)[CBNU]

10:30~10:45 구 HT-05

Investigating the Electron Distribution in Intrabinary Shocks through Modeling of Gamma-Ray Binaries

Jaegun Park(박재근), Hongjun An(안홍준), Chanho Kim(김찬호)[CBNU]

10:45~11:00 구 HT-06

Exploring the Impact of Ejecta Velocity Profile on Kilonova Evolution: Diversity of the Kilonova Lightcurves

Z. Lucas Uhm (엄정휘)[KASI]

11:00~11:15 구 HT-07

Elucidating the Physical Mechanism of Gamma-Ray Bursts with the High-Latitude Effect

Donggeun Tak(탁동근)[SNU], Z. Lucas Uhm (엄정휘)[KASI]

11:15~11:30 구 HT-08

A Simulation Study of Gamma-ray Bursts: Early Evolution and Structure of Ultra-Relativistic Jets

Seonho Kim(김선호), Kyujin Kwak(곽규진), Dongsu Ryu(류동수)[UNIST]

11:30~11:45 구 HT-09

A Simulation Study on the CSO-MSO-FR Track: Evolution of Jets across the Galactic Core

Ayan Bhattacharjee[UNIST], Jeongbhin Seo(서정빈)[UNIST/Los Alamos National Laboratory],

Dongsu Ryu(류동수)[UNIST], Hyesung Kang(강혜성)[PNU]

11:45~12:00 구 HT-10

Detecting MeV neutrinos from evolved stars

Gwangeon Seong(성광언), Kyujin Kwak(곽규진), Bok-Kyun Shin(신복균),

Dongsu Ryu(류동수)[UNIST]

12:00~13:30

점심시간

[특] 중력파 관측기술

Gravitational Wave Detection Technology

좌장 : Chunglee Kim (김정리)[Ewha Womans University]

13:30~13:45 구 GW-01

A superconducting tensor detector for mid-frequency gravitational waves: its multi-channel nature and main astrophysical targets

Gungwon Kang(강궁원), Yeong-Bok Bae(배영복)[Chung-Ang University], Chan Park(박찬)[IBS],

Edwin J. Son(손재주)[NIMS], Sang-Hyeon Ahn(안상현)[KASI], Minjoong Jeong[정민정][KASI],

Chunglee Kim(김정리)[Ewha Womans University], Dong Lak Kim(김동락)[KBSI],

Jaewan Kim(김재완)[Myongji University], Whansun Kim(김환선)[NIMS], Hyung Mok

Lee(이형목)[SNU], Yong-Ho Lee(이용호)[KRIS], Ronald S. Norton[University of Maryland],

John J. Oh, Sang Hoon Oh(오상훈)[NIMS], Ho Jung Paik(백호정)[University of Maryland]

13:45~14:00 구 GW-02

A Novel Gravitational Wave Detection Method Using SKA-Low Antennas

Park, Chan(박찬)[SNU]

[특] 중력과 관측기술

좌장 : Chunglee Kim (김정리)[KNU]

14:00~14:15 구 GW-03

How to mitigate optical mode mismatch in gravitational wave detector?

Young-Sik Ra(라영식), Byeong-Yoon Go(고병윤), Geunhee Gwak(곽근희),
Chan Roh(노찬)[KAIST]

14:15~14:30 구 GW-04

Optical design of an off-axis mode matching telescope with minimal polarization loss using
Linear Astigmatism Free condition

Hojae Ahn(안호재)[KHU], Seunghyuk Chang(장승혁)[Center for Integrated Smart Sensors],
Sumin Lee(이수민)[KHU], Yunjong Kim(김윤종), Chang Hee Kim(김창희), Sungho
Lee(이성호)[KASI], Soojong Pak(박수종)[KHU]

14:30~14:45 구 GW-05

Active Mode Matching Telescope Development in Kyung Hee University

Sumin Lee(이수민), Hojae Ahn(안호재), Soojong Pak(박수종)[KHU], Chang-Hee
Kim(김창희)[KAIS], Sibilla Di Pace[University of Roma], Martina De Laurentis[Università
"Federico II" and INFN-Napoli], Seunghyuk Chang(장승혁)[Center for Integrated Smart
Sensors], Valeria Sequino[Università "Federico II" and INFN-Napoli], Francesco De
Marco[University of Roma], June Gyu Park(박준규)[Yonsei University],
Jimin Han(한지민)[KHU], Yunjong Kim(김윤종), Sungho Lee(이성호)[KASI], Barbara Garaventa,
Fiodor Sorrentino[INFN-Genova]

14:45~15:00 구 GW-06

Development of Gravitational Wave Detection Technology at KASI

Sungho Lee(이성호), Kyungmin Kim(김경민), Young-Min Kim(김영민), Yunjong Kim(김윤종),
Jinho Kim(김진호), Chang-Hee Kim(김창희), Byeongjun Park(박병준), Won-Kee Park(박원기),
Hyeon Cheol Seong(성현철), Jae Sok Oh(오재석), Ueejeong Jeong(정의정)[KASI]

15:00~15:20

우수포스터상 시상 및 폐회

포스터 발표

고에너지 / 이론천문학(High energy astronomy/Theoretical astronomy)

PHT-01

Finding high eccentric stellar-mass black hole binaries from binary microlensing light curves

Kyungmin Kim (김경민)[KASI], Yeong-Bok Bae (배영복)[Chung-Ang University]

천문우주관측기술(Astrophysical Techniques)

PAT-01

Adaptive optics simulations and test bed alignment for MOAO systems

Archita Rai, Kyohoon Ahn(안교훈), Jae-Joon Lee(이재준)[KASI]

PAT-02

Birefringence measurement of sapphire test mass of gravitational wave detector using interferometer

Gyoik Kim(김교익), June gyu Park(박준규)[Yonsei University]

PAT-03

Status of Bohyunsan Optical Astronomy Observatory (BOAO)

Hyun-Il Sung(성현일)[KASI]

PAT-04

Status and Plan of KMTNet Operation

Chung-Uk Lee(이충욱), Dong-Joo Lee(이동주), Dong-Jin Kim(김동진), Sang-Mok Cha(차상목), Yongseok Lee(이용석), Sangmin Lee(이상민), Seung-Lee Kim(김승리), Hyunwoo Kang(강현우), Eon-Chang Sung(성연창), Hong Soo Park(박홍수), Chang Hee Ree(이창희), Min-Su Shin(신민수), Moo-Young Chun(천무영), Jae-Woo Kim(김재우), Sungwook E. Hong(홍성욱), Seung-Cheol Bang(방승철)[KASI]

PAT-05

TCSpy: A Multi-Telescope Control Software for Rapid Response Observations

Hyeonho Choi(최현호), Myungshin Im(임명신), Ji Hoon Kim(김지훈)[SNU]

성간물질/별생성/우리은하(ISM/Star Formation/Milky Way Galaxy)

PIM-01

JWST Observations of the Young Supernova Remnant Cassiopeia A

Bon-Chul Koo(구본철)[SNU], Dan Milisavljevic[Purdue University], Jeonghee Rho(로정희)[SETI Institute/SNU], Jae-Joon Lee(이재준)[KASI]

PIM-02

A New Supernova Remnant Candidate in the UWIFE Survey

Yesol Kim(김예솔)[KASI/SNU], Bon-Chul Koo(구본철)[SNU], Jae-Joon Lee(이재준)[KASI]

PIM-03

Infall and outflows of an accretion-bursted protostar S255IR NIRS3 observed with ALMA

Giseon Baek(백기선), Jeong-Eun Lee(이정은)[SNU], Neal J. Evans II[University of Texas], Yuri Aikawa[University of Tokyo], Jes K. Jørgensen[University of Copenhagen]

PIM-04

Finding the relation between O32 and Lyman continuum escape fraction using RAMSES-RTZ

Hyunwoo Song(송현우), Taysun Kimm(김태선), Daniel Han(한다니엘)[Yonsei University], Maxime Rey[Yonsei University/CRAL]

PIM-05

Development of a model for the cirrus dust cloud LDN 1642

Hyeon-Jeong Youn(윤현정), Kwang-il Seon(선광일)[KASI]

포스터 발표

성간물질/별생성/우리은하(ISM/Star Formation/Milky Way Galaxy)

PIM-06

CYBeR: HoLiC: Classifying YSO and AGB with Range InfraRed: PHotometry and Light-Curve
Hyunwook Jheonn(전현욱), Jeong-Eun Lee(이정은), Jinho Lee(이진호)[SNU]

PIM-07

A Comparative Study of the Supernova Remnant Cassiopeia A from 2013-2020 Deep [Fe II]+[Si I] Images
Seung-Hoon Jung(정승훈), Bon-Chul Koo(구본철)[SNU], Yong-Hyun Lee(이용현)[Samsung SDS],
Hyun-Jeong Kim(김현정)[Kongju National University]

PIM-08

Spatial decorrelation of young stars and molecular clouds in isolated disc galaxy simulations
Daniel Han(한다니엘), Taysun Kimm(김태선)[Yonsei University]

태양우주환경(Sun and Space Environment)

PSS-01

Transverse Waves in Chromospheric Fibrils of a Solar Quiet Region
Hannah Kwak(곽한나)[KASI]

PSS-02

Evolution of charge states in the solar wind from the solar corona with nonthermal electrons
Jin-Yi Lee(이진이), Junmo An(안준모)[KHU], John C. Raymond, Chengcai Shen[Harvard & Smithsonian]

항성, 항성계/외계행성(Stars, Star clusters/Exoplanets)

PSA-01

An Archival Molecule and Dust Formation Study in Supernovae using Spitzer Telescope Instruments
Sang Bum Ko(고상범)[SNU], Jeonghee Rho(노정희)[SETI], Sung-Chul Yoon(윤성철)[SNU]

PSA-02

Photoionization Modeling and BOES Raman Spectroscopy of He II in Young Planetary Nebulae
Jiyu Kim(김지유), Jin Lim(임진), Hak-Sub Kim(김학섭)[Sejong University],
Seok-Jun Chang(장석준)[Max-Planck-Institut], Hee-Won Lee(이희원)[Sejong University]

PSA-03

The characteristics of anti-correlated variations in timing and brightness of minimum and maximum lights of contact binary stars and their implications: I. The characteristics of anti-correlated variations
Chun-Hwey Kim(김천휘), Mi-Hwa Song(송미화), Min-Ji Jeong(정민지),
Hye-Yong Kim(김혜영)[CBNU]

PSA-04

A Large Helium Enhancement in M92
Jae-Woo Lee(이재우)[Sejong University]

PSA-05

A Temperature Scale of 1~2 eV in the observed mass and radius relationship of White Dwarfs
Jin Lim(임진)[Sejong University]

PSA-06

Chemical Homogeneity of Wide Binary Systems: An Approach from Near-Infrared Spectroscopy
Dongwook Lim(임동욱)[Yonsei University/ZAH/ARI], Andreas J. Koch-Hansen[ZAH/ARI],
Seungsoo Hong(홍승수)[Yonsei University/SNU], Sang-Hyun Chun(천상현)[KASI],
Young-Wook Lee(이영욱)[Yonsei University]

포스터 발표

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Calibrating “Causality Distances” using microquasars. A proof-of-concept using Cygnus X-3
Daehyun Kim(김대현), Jeffrey Adam Hodgson[Sejong University]

PHE-02

WRC-23 Results and WRC-27 Agenda Items Associated with Space Weather and Radio
Astronomy Observations
Su-Chan Bong(봉수찬)[KASI], Kichang Yoon(윤기창)[NRRA], Seong-Jun Oh(오승준)[Korea
University], Hwangjae Rhee(이황재)[SyncTechno]

우주론

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Tracing the Origins: Evaluating Seeding Mechanisms for Massive Black Hole Formation at
High Redshifts

Seungjae Lee(이승재)[SNU]

천문화학/천문생물학

PAA-01

Unraveling the Chemical Complexity of FU Orionis-Type Eruptive Stars

Jihyun Kang(강지현)[KASI], Jeong-Eun Lee(이정은), Jea-Hong Jeong(정재홍),
Giseon Baek(백기선), Chul-Hwan Kim(김철환)[SNU], Seokho Lee(이성호)[KASI],
Seonjae Lee(이선재), Young-Jun Kim(김영준)[SNU]

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Comparing Simulation Codes of Ultra Faint Dwarf Galaxies: GADGET versus RAMSES

Ryoungwook Kang(강령욱), Myoungwon Jeon(전명원)[KHU]

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Emission Line Ratios in Clumpy H II Regions: Ionization-Bounded or Density-Bounded
Regions and the Dust Scattering Effect.

Hyung-Joe Kwon(권형조), Kwang-Il Seon(선광일)[KASI/UST]

PGC-03

Decoding SF Quenching in Massive Galaxies: A Multi-Parameter SDSS Analysis

Duho Kim(김두호)[CNU]

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The HI Super-profile Analysis of Virgo Cluster Galaxies

Minsu Kim(김민수), Se-HeonOh(오세현)[Sejong University]

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Spectral Mapping of Nearby Galaxies Utilizing 7DS and Machine Learning Algorithms

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

PGC-06

A chemo-structural study of Draco and Sextans dwarf spheroidal galaxies: Stellar
populations on various evolutionary stages

Hak-Sub Kim(김학섭)[Sejong University], Sang-Il Han(한상일)[Ewha Womans University],

Sang-Yoon Lee(이상윤)[Yonsei University], Seok-Joo Joo(주석주)[KASI],

Suk-Jin Yoon[Yonsei University]

PGC-07

Interferometric Monitoring of Gamma-ray Bright AGNs: 4C +28.07 and its Synchrotron
Self-absorption Spectrum

Myeong-Seok Nam(남명석), Sang-Sung Lee(이상성), Whee Yeon Cheong(정위연)[KASI/UST]

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Shan Li, Sang-Sung Lee(이상성), Whee Yeon Cheong(정위연)[KASI/UST]
- PGC-09
Search Optical Counterpart of the NSBH System -GW190814 Follow up Observation-
Hongjae Moon(문홍재), Myungshin Im(임명신), Gregory Paek, Mankeun Jeong(정만근)[SNU]
- PGC-10
The spatial distribution of globular cluster systems in dwarf galaxies and comparison with properties their host galaxies.
Taehyeon Bang(방태현), Sungsoon Lim(임성순)[Yonsei University]
- PGC-11
Morphology indicators as predictors of galaxy spin parameter(λ_{Re})
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- PGC-12
A Distance Measurement for a Blazar TXS 0506+056 Using its Radio Variability and VLBI Images
Chanwoo Song(송찬우), Sang-Sung Lee(이상성)[KASI/UST]
- PGC-13
Environmental Trend of Stellar Population Properties of galaxies in a supercluster at redshift $z \sim 0.65$
Seong-Kook Lee(이성국), Myungshin Im(임명신), Insu Paek(백인수)[SNU] et al.
- PGC-14
Interferometric Monitoring of Gamma-ray Bright AGNs: Analyzing Spectral Properties of 4C +38.41
Yu-Ra Lee(이유라)[CBNU], Sang-Sung Lee(이상성)[KASI]
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Jellyfish Galaxies in Magnetic Fields: Insights from Numerical Simulations
Jaehyun Lee(이재현)[KASI], Taysun Kimm(김태선)[Yonsei University], Julien Devriendt, Adrienne Slyz[University of Oxford], Jeremy Blaizot[Université Claude Bernard Lyon1], Harley Katz[University of Chicago], Sergio MartinAlvarez[Stanford university]
- PGC-16
Observations for Study of the Overdense Environment Near High- z Hyperluminous DOGs
Eunsoo Jun(전은수), Woong-Seob Jeong(정웅섭), Seongjae Kim(김성재)[KASI/UST], Minjin Kim(김민진)[KNU], Yujin Yang(양유진)[KASI/UST]
- PGC-17
Phase Referencing Observations of AGNs with the EAVN and Mopra
Whee Yeon Cheong(정위연)[UST/KASI], Sang-Sung Lee(이상성)[KASI/UST]
- PGC-18
Probing high- z galaxies observed by JWST using numerical simulations
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- PGC-19
The Simulated SPHEREx Spectra of Type 1 AGNs
Hayeong Jeong(정하영), Dohyeong Kim(김도형)[PNU]
- PGC-20
Quasar Search at $z \sim 5$ via Deep Learning and Bayesian Information Criterion from The Hyper Suprime-Cam SSP Survey PDR3 Data
Yunyi Choi(최윤이), Myungshin Im(임명신)[SNU]

포 스텐 발 표

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Field Lenticular Galaxy Formation in the NewHorizon Simulation

Seongbong Han(한성봉), Sukeyoung K. Yi(이석영)[Yonsei University]

PGC-22

Study on the redistribution of angular momentum in galaxy flyby interactions

Jeong-Sun Hwang(황정선)[Sejong University], Changbom Park(박창범)[KIAS],
Soo-hyeon Nam(남수현)[Korea University]