Programme

Tuesday, October 17, 2017

9:00 -	**Registration**	

Welcome / Opening remarks

Chair: Yoko Okada

9:30 - 9:40	Opening remarks	LOC/SOC
9:40 - 9:50	Message from ISAS	Toru Yamada (ISAS)

Overview

AKARI Data

Chair: Yoko Okada

9:50 - 10:20	AKARI Mission and data processing and archiving activity	Issei Yamamura
10:20 - 10:40	AKARI near- and mid-infrared slitless spectroscopic catalog	Mitsuyoshi Yamagishi
10:40 - 11:00	The NASA/IPAC Infrared Science Archive (IRSA)	Harry I. Teplitz
11:00 - 11:20	*Break*	

Session 1

Current facilities/Missions

Chair: Helen J Fraser

11:20 - 11:50	Global star formation in the Milky Way with the Herschel Galactic Plane Survey	Sergio Molinari (I)
11:50 - 12:20	Unveiling dust-enshrouded activities in high-redshift galaxies using ALMA and infrared space telescopes	Kotaro Kohno (I)
12:20 - 14:00	*Lunch break*	
14:00 - 14:30	Addressing the complexities of star and planet formation in the ALMA era	Jes K. Jorgensen (I)
14:30 - 15:00	The Stratospheric Observatory for Infrared Astronomy (SOFIA) - Current Status, Recent Results, Future Plans, and Synergies with the AKARI Archive	Thomas L. Roellig (I)
15:00 - 15:30	*Break*	

Future facilities

Chair: Chris Packham

15:30 - 16:00	The Mid-IR E-ELT Imager and Spectrograph (METIS) and its science goals in the context of AKARI	Bernhard Brandl (I)
16:00 - 16:30	MICHI: A MIR Instrument Concept for the TMT	Mitsuhiko Honda (I)

Poster session

Chair: Chris Packham

16:30 - 17:30	1 min talk for posters
17:30 - 20:00	Poster session

18:00 - 20:00 **Reception**

Wednesday, October 18, 2017

Future facilities

Chair: Woong-Seob Jeong

9:30 - 10:00	The James Webb Space Telescope: status and science highlights	Massimo Stiavelli (I)
10:00 - 10:30	New SPICA: the next crucial step after AKARI for future mid- and far-infrared astronomy	Hidehiro Kaneda (I)
10:30 - 10:50	*Break*	
10:50 - 11:20	The Origins Space Telescope - a NASA Decadal Mission Study	Margaret Meixner (I)
11:20 - 11:40	Mid-Infrared Imager, Spectrometer, Coronagraph (MISC) for the Origins Space Telescope (OST)	Itsuki Sakon

Session 2: Science Results and Future Applications

Solar system & planetary formation

Chair: Issei Yamamura

11:40 - 12:10	Asteroids and the solar system: insights from the thermal infrared	Victor Ali-Lagoa (I)
12:10 - 12:30	Search for Water on Asteroids with the AKARI Near-infrared Spectroscopy	Fumihiko Usui
12:30 - 14:00	*Lunch break*	
14:00 - 14:30	Global and small-scale structure of the zodiacal dust cloud observed with AKARI	Takafumi Ootsubo (I)
14:30 - 15:00	Multi-wavelength observations of planet forming disks: constraints on planet formation processes	Inga Kamp (I)
15:00 - 15:20	Debris disks and the Zodiacal light - from AKARI to SPICA	Daisuke Ishihara
15:20 - 15:40	*Break*	

ISM

Chair: Olivier Berne

15:40 - 16:10	The AKARI perspective on the dusty interstellar medium	Francois Boulanger (I)
16:10 - 16:30	Polarization of Mid-infrared Emission from Polycyclic Aromatic Hydrocarbons	Thiem Hoang
16:30 - 17:00	Interstellar dust and PAHs Unveiled by AKARI Near-Infrared Spectroscopy	Ji Yeon Seok (I)

17:00 - 17:20	Reproducing interstellar ubiquitous infrared spectrum by hydrocarbon pentagon-hexagon combined molecule	Norio Ota
17:20 - 17:40	Processing of hydrocarbon dust in star-forming galaxies revealed with AKARI	Akino Kondo
17:40 - 18:00	Gamma-ray burst parameters and the fine structure of the Galactic ISM as seen by AKARI	L. Viktor Toth

Thursday, October 19, 2017

Session 2: Science Results and Future Applications

ISM

Chair: Hidehiro Kaneda

9:30 - 10:00	ISM Structures Traced by AKARI FIR All-Sky Dust Map	Yasuo Doi (I)
10:00 - 10:20	A look at possible microwave dust emission via AKARI infrared all-sky surveys	Aaron C. Bell
10:20 - 10:40	A multiwavelength study of the ISM and star formation in early-type galaxies	Takuma Kokusho
10:40 - 11:10	*Break*	
11:10 - 11:40	The Interstellar Dust Properties of Nearby Galaxies	Frederic Galliano (I)
11:40 - 12:00	Evolution of Molecular gas and PAHs in Interstellar REgions (EMPIRE): A study with Spitzer, Herschel, AKARI, and Planck, in the nearby Universe.	Ronin Wu
12:00 - 12:20	Modelling 30 Doradus in the Large Magellanic Cloud using AKARI observations	Gautam Saikia
12:20 - 14:00	*Lunch break*	

Star-formation

Chair: Margaret Meixner

14:00 - 14:30	Chemical properties of low metallicity star-forming regions	Takashi Shimonishi (I)
14:30 - 14:50	The AKARI Phase 3 Near-infrared Spectroscopic Catalog of the Large Magellanic Cloud and the Stellar Spectroscopic Variability	Jin Zhang
14:50 - 15:10	*Break*	
15:10 - 15:40	Star formation: the role of astrochemistry	Serena Viti (I)
15:40 - 16:00	Revealing the Cold Dust and Gas Components in O-rich Planetary Nebulae Based on Photoionization Modeling with AKARI	Evaria Puspitaningrum

Stellar evolution

Chair: Margaret Meixner

16:00 - 16:30	Stellar Evolution Research in the Far-IR in the AKARI Era and Beyond	Toshiya Ueta (I)
16:30 - 17:00	Infrared studies of AGB stars and supernovae with AKARI and future space missions	Mikako Matsuura (I)
17:00 - 17:20	AKARI color useful for classifying chemistry of Miras and AGB stars	Noriyuki Matsunaga
18:30 - 20:30	**Banquet (The Artist's Cafe)**	

Friday, October 20, 2017

Galaxy evolution

Chair: Chris Pearson

9:30 - 10:00	AKARI to the depths: The High Redshift Universe Revealed in the Far-IR	David L. Clements (I)
10:00 - 10:20	Where do infrared-bright dust-obscured galaxies lie on the star formation rate-stellar mass plane?	Yoshiki Toba
10:20 - 10:40	North Ecliptic Pole multi-wavelength survey : new optical data with Hyper Suprime-Cam and near-future prospects with eROSITA	Nagisa Oi
10:40 - 11:00	*Break*	
11:00 - 11:30	Cosmic star formation history revealed by AKARI and Hyper Suprime Cam	Tomo Goto (I)
11:30 - 11:50	Looking for distant galaxies in the AKARI NEP field	Denis Burgarella
11:50 - 12:10	Clustering of AKARI NEP galaxies: how dusty galaxies evolve in the cosmic web?	Agnieszka Pollo
12:10 - 12:30	The Nature and Environment of (Dusty) Star-Forming Galaxies Near and Far Revealed by AKARI	Yusei Koyama
12:30 - 14:00	*Lunch break*	

Chair: Tsutomu T. Takeuchi

14:00 - 14:30	AKARI lightens red side of AGN at z = 0 to z = 6	Myungshin Im (I)
14:30 - 14:50	AKARI observations in the SIMES field: relation between BHAR/SFR ratio and total stellar mass of small galaxy groups, at z~0.2	Ivano Baronchelli
14:50 - 15:10	Probing the Innermost Part of AGN Tori with the Near-Infrared CO Absorption Band	Shunsuke Baba
15:10 - 15:30	*Break*	
15:30 - 16:00	Cosmic Infrared Background	Asantha Cooray (I)
16:00 - 16:20	FIR Properties of High-Redshift Dust-Obscured Galaxies in the ADF-S	Woong-Seob Jeong
16:20 - 16:40	The AKARI 2.5-5um Spectra of the Local Luminous Infrared Galaxies in GOALS	Hanae Inami (presented by Hideo Matsuhara)
16:40 - 17:00	The Deepest Surveys with Herschel and AKARI	Chris Pearson

Session 3: Conference Summary

Chair: Takashi Onaka

17:00 - 17:20	Conference Summary	Peter Barthel