



# THE UNIVERSE IN THE LIGHT OF AKARI



## and Synergy with future Large Space Telescopes



9 - 11 July 2014 - Oxford, UK

Dennis Sciama Lecture Theatre, Oxford Astrophysics

Wed 9 July

08:00 - 09:00

REGISTRATION

Welcome

09:00 - 09:15

White, Rigopoulou, Pearson

Welcome and Organisational

09:15 - 09:20

Davies

Oxford Welcome

09:20 - 09:25

Takeyasu

JSPS Welcome

Session 1: The AKARI Project and Legacy

Chair Pearson

09:25 - 10:00

I1 + I2

Nakagawa + Yamamura

The AKARI project. Legacy, and data processing

10:00 - 10:25

I3

Doi

The AKARI FIR all-sky maps

10:25 - 10:55

Coffee and Poster Session 1

Session 2: Star formation, stellar evolution The Galaxy, Zodiacal emission and Debris Disks

Chair Sakon

10:55 - 11:20

I6

Ward-Thompson

Akari, SCUBA2 and Herschel data of pre-stellar cores

11:20 - 11:45

I4

Onaka

Processing of the Interstellar Medium as Divulged by AKARI

11:45 - 12:10

I5

Koo

Dust Infrared Emission from Supernova Remnants

12:10 - 12:45

16 x 1 minute Poster Summary

Elevator speeches. Poster papers PA1 -> PA16

12:45 - 13:45

Lunch

13:45 - 14:10

I7

Fraser

Ices in star formation regions

14:10 - 14:35

I8

Izumiura

AKARI observation of evolved stars

14:35 - 14:55

A3

Ohsawa

Near-Infrared PAH features in Galactic Planetary Nebulae

14:55 - 15:05

A4

Lee, H.-G.

AKARI near-infrared spectroscopy of supernova remnants

15:05 - 15:40

Coffee and Poster Session 1

15:40 - 16:00

A11

Toth

The AKARI Far-Infrared Surveyor young stellar object catalog

16:00 - 16:20

A5

Fujiwara

Warm Debris Disks Proved by AKARI Observations

16:20 - 16:40

A8

Ishihara

Debris disks and the zodiacal light

16:40 - 17:00

A7

Fukui

Optically thick HI dominant in the local interstellar medium

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Thu 10 July

Session 3: Nearby Galaxies and background

Chair Rigopoulou

09:00 - 09:25

I11

Kaneda

Properties of dust in various environments of nearby galaxies

09:25 - 09:45

B2

Shimonishi

A multiwavelength spectroscopic study of molecular chemistry in the Large Magellanic Cloud

09:45 - 10:05

B13

Yamagashi

Study of ice abundance ratios in nearby galaxies with AKARI near-infrared spectroscopy

10:05 - 10:30

I10

Jeong

Analysis of Cosmic Infrared Background Fluctuations from the NEP Region

10:30 - 11:00

Coffee and Poster Session 2

11:00 - 11:25

I9

Matsumoto

Near infrared background light

11:25 - 11:45

B12

Tsumura

Low-Resolution Spectrum of the Extragalactic Background Light

Session 4: Active Galactic Nuclei and Ultra-luminous galaxies

Chair Miyaji

11:45 - 12:10

I13

Barthel

AGN with Akari and Herschel

12:10 - 12:45

18 x 1 minute Poster Summary

Elevator speeches. Poster papers PB11 -> PB18

12:45 - 13:45

Lunch

13:45 - 14:10

I14

Oyabu

AKARI observations of AGN dusty tori

14:10 - 14:35

I15

Magdis

Tracing the evolution of the ULIRGs phenomenon across cosmic time

14:35 - 14:55

B9

Shirahata

Near-Infrared spectroscopy of CO ro-vibrational absorption toward heavily obscured AGNs

14:55 - 15:15

B7

Marchetti

The AGN/Starburst Specific Star Formation Rate using AKARI and Herschel Space Observatories

15:15 - 15:45

Coffee and Poster Session 2

<b>Session 5: Deep extragalactic surveys with AKARI</b>				<b>Chair Kaneda</b>			
15:45 - 16:10	I16	<i>Matsuhara</i>		Overview of the North Ecliptic Pole Deep Multi-wavelength Survey (NEP-Deep)			
16:10 - 16:35	I19	<i>Pearson</i>		The Herschel Survey of the AKARI NEP Field			
16:35 - 17:00	I18	<i>Clements</i>		The AKARI Deep Field South - Pushing To High Redshift			
17:00 - 17:20	C5	<i>Oi</i>		Properties of Dust Obscured Galaxies in the NEP-Deep field			
17:20 - 17:40		<i>JSPS</i>		Japan Society for the Promotion of Science presentation			
19:15 - late		Conference Banquet <b>Mansfield College</b>		<b>Group Photo</b>			
<b>Dennis Sciama Lecture Theatre, Oxford Astrophysics</b>							
<b>Fri 11 July</b>							
<b>Session 6: Deep extragalactic surveys with AKARI (continues from Thursday)</b>				<b>Chair HM Lee</b>			
08:45 - 09:10	I17	<i>Serjeant</i>		Multi-wavelength galaxy surveys in the NEP			
09:10 - 09:35	I20	<i>Rowan Robinson</i>		Far infrared and submillimetre surveys, from IRAS to Akari, Herschel and Planck			
09:35 - 09:55	B4	<i>Kilerci Eser</i>		Ultraluminous Infrared Galaxies in the AKARI All-sky Survey			
09:55 - 10:15	C2	<i>Goto</i>		Cosmic star formation history from AKARI and new CFHT optical-IR data			
10:15 - 10:35	C1	<i>Im</i>		AKARI spectroscopy of quasars at 2.5 - 5 microns			
10:35 - 11:05		Coffee and Poster Session 3					
<b>Session 7: Multi-wavelength modeling of galaxies</b>				<b>Chair Magdis</b>			
11:05 - 11:30	I21	<i>Burgarella</i>		Galaxy SED fitting			
11:30 - 11:55	I22	<i>Buat</i>		Star formation and dust attenuation in 8 microns selected galaxies up to $z=2$			
11:55 - 12:15	C8	<i>Koyama</i>		Panoramic mid-infrared views of distant clusters of galaxies with AKARI			
12:15 - 12:35	C3	<i>Murata</i>		PAH feature deficit of starburst galaxies in the AKARI North Ecliptic Pole Deep Field			
12:35 - 13:05				<b>15 x 1 minute Poster Summary Elevator speeches. Poster papers PC1 -&gt; PC15</b>			
13:05 - 14:00		Lunch					
14:00 - 14:25	I23	<i>Egami</i>		Harnessing the power of gravitational lensing to study distant galaxies			
14:25 - 14:50	I24	<i>Pilbratt</i>		Herschel - Science Highlights and Legacy			
14:50 - 15:10	C9	<i>Sedgwick</i>		AKARI Deep Field South: spectroscopic observations of infrared sources			
15:10 - 15:35	I12	<i>Lee, H.-M.</i>		Photometric and Spectroscopic Surveys of NEP-Wide			
15:35 - 16:05		Coffee and Poster Session 3					
<b>Session 8: SPICA and future plans</b>				<b>Chair Matsuhara</b>			
16:05 - 16:30	I25	<i>Nakagawa</i>		The next-generation infrared space mission SPICA in a new framework			
16:30 - 16:55	I26	<i>Roelfsema</i>		The European SAFARI instrument on SPICA			
16:55 - 17:20	I27	<i>Swinyard</i>		Towards the next generation of far-infrared spectrometers			
<b>Conference Summary</b>							
<b>Session 8: Final Summary</b>							
17:20 - 17:35	Summary	<i>Onaka</i>		Conference Summary			