

The Infrared Survey Facility: Past and Future

Wednesday 2 March 2016

Time	Speaker	Title
09:30		Registration and Refreshments
	Opening Session	
10:00	Patricia Whitelock (SAAO/ UCT)	Welcome
10:05	Nithaya Chetty (NRF)	Opening by the Deputy Chief Executive Officer (Astronomy) of the NRF
<i>Chair: Patricia Whitelock (SAAO/ UCT)</i>		
10:20	Takahiro Nagayama (Kagoshima Univ)	Review of InfraRed Survey Facility since 2000, and plans for the future
10:50	John Menzies (SAAO)	A survey of some Local Group galaxies
11:20	Yoshifusa Ita (Tohoku Univ)	A very long term near-IR variable star survey towards the LMC and SMC
11:50	Noriyuki Matsunaga (Univ Tokyo)	IRSF/SIRIUS survey of pulsating stars towards the bulge
12:20	Michael Feast (SAAO / UCT)	Some problems of the obscuration and structure of the Galactic bulge
12:50 - 13:50		Lunch
<i>Chair: Noriyuki Matsunaga (Univ Tokyo)</i>		
13:50	Tetsuya Nagata (Kyoto Univ)	Galactic magnetic structure probed with polarimetry of Mira variables
14:20	Hiroki Onozato (Tohoku Univ)	Research on the close binary frequency of Wolf-Rayet stars
14:50	Kazunori Ishibashi (Nagoya Univ)	Oh IRSF, You are my only hope! -- the case for near-IR monitoring of eta Carinae
15:20	Takuma Kokusho (Nagoya Univ)	A multi-wavelength study of the supernova remnant IC443 with IRSF, AKARI, and Suzaku
15:50		Break
<i>Chair: Tetsuya Nagata (Kyoto Univ)</i>		

16:20	Takayoshi Kusune (Nagoya City Univ)	Near-IR Imaging Polarimetry toward the Vela C Molecular Cloud
16:50	Jungmi Kwon (Univ Tokyo / JSPS)	First Infrared Circular Polarization Survey using IRSF/SIRPOL
17:20		END
17:30	Ian Glass (SAAO)	History & Tour of SAAO
18:45		Drinks
19:00		Dinner

Thursday 3 March 2016

Time	Speaker	Title
<i>Chair: Shazrene Mohamed (SAAO)</i>		
09:00	Vanessa McBride (SAAO / UCT)	Exploring the Kozai-Lidov mechanism in X-ray binaries
09:30	Atsuo Okazaki (Hokkai-Gauken Univ)	Dynamic modeling of massive X-ray and gamma-ray binaries and its implications for near-IR observations
10:00	Yuki Moritani (Univ Tokyo/ Kavli IPMU)	Study of the gamma-ray binaries via near-infrared photometric monitoring
10:30		Break
<i>Chair: Kazunori Ishibashi (Nagoya Univ)</i>		
11:00	Lee Townsend (UCT)	Photometric and polarimetric variability in massive X-ray binaries
11:30	Elias Aydi (SAAO / UCT)	An unusual nova possibly associated with the Sagittarius Stream
12:00	Katsuhiro Murata (Nagoya Univ)	Near-Infrared Imaging Polarimetry of NGC 1068
12:30	Khaled Said (UCT)	Deep near-IR catalogue of the HIZoA galaxies
13:00 - 14:00		Lunch
<i>Chair: Renée Kraan-Korteweg (UCT)</i>		
14:00	David Buckley (SAAO)	Observing Transients from South Africa

14:30	Patrick Woudt (UCT)	ThunderKAT/MeerLICHT transients and the role of the IRSF in multi-wavelength follow-up
15:00	Kaz Sekiguchi (NAOJ)	OISTER Observations of Gravitational Wave Sources
15:30		Break
<i>Chair: Takahiro Nagayama (Kagoshima Univ)</i>		
16:00	Hidehiro Kaneda (Nagoya Univ)	Synergy between IRSF, AKARI and SPICA
16:20	Akiko Tsuzuki (Nagoya Univ)	The development of an optical and near-infrared spectrometer for the IRSF 1.4 m Telescope
16:40	Motohide Tamura	Exoplanet exploration with IRSF/SIRIUS and future plans
17:10		END

Friday 4 March 2016

09:30	<p>Science Discussions</p> <p>The scientific meeting will be informal and we anticipate group discussions (possibly in parallel) on the following areas of mutual interest:</p> <p>1 - Galactic structure (potentially extending to Local Group galaxies)</p> <p>2 - Transients and high-energy binaries.</p>
13:00 - 14:00 Lunch	

Posters

Presenter	Title
Shuji Sato (Nagoya Univ)	Spectro/Photo/Polarimetric Survey Facility
Lerothodi Leeuw (UNISA)	Polarized Imaging Observations with the IRSF

Akiko Kawachi (Tokai Univ)	NIR variability around the periastron passages of the gamma-ray binary PSR B1259-63 /LS2883
Sho Chimasu (Tokai Univ)	High precision photometry of the gamma-ray binary HESS J0632+057 around the 2015 periastron passage
Takahiro Nagayama (Kagoshima Univ)	Five years near-infrared monitoring of peculiar X-ray binary Cir X-1