



ADRIM 2014

12th Asia-Pacific Regional IAU Meeting
August 18-22, 2014 / DCC, Daejeon, Korea

S6 : Observing Facilities and International Collaborations

Session: [B2A-6] S6 : Observing Facilities and International Collaborations

Date: August 19, 2014 (Tuesday)

Time: 11:00~12:30

Room: Room F (Room 108)

Chair: Ajit Kembhavi (Inter-University Centre for Astronomy and Astrophysics)

[B2A-6-1]

11:00~11:20

[Invited] Giant Magellan Telescope: Korean Prospects

Byeong-Gon Park (Korea Astronomy and Space Science Institute, Korea)

[B2A-6-2]

11:20~11:35

[Invited] The TMT Project and The Japanese Perspective

Masanori Iye (TMT International Corporation, Japan)

[B2A-6-3]

11:35~11:45

[Invited] TMT: The Indian Perspective

G. C. Anupama (Indian Institute of Astrophysics, India)

[B2A-6-4]

11:45~12:00

[Invited] The Square Kilometre Array - One of the Great Observatories of the Next Decade

Michael Kramer (Max-Planck-Institut fuer Radioastronomie, Germany)

[B2A-6-5]

12:00~12:15

The Australian SKA Pathfinder Telescope

Lisa Harvey-Smith (CSIRO Astronomy & Space Science, Australia)

[B2A-6-6]

12:15~12:30

[Invited] The LIGO-India Project

Tarun Sourdeep (India)



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Session: [B2B-6] S6 : Observing Facilities and International Collaborations

Date: August 19, 2014 (Tuesday)

Time: 14:00~15:30

Room: Room F (Room 108)

Chair: Masanori Iye (National Astronomical Observatory of Japan)

[B2B-6-1]

14:00~14:20

[Invited] The Next-Generation Infrared Astronomy Mission SPICA under the New Framework

Takao Nakagawa (Institute of Space and Astronautical Science/JAXA, Japan), Hiroshi Shibai, Takashi Onaka, Hideo Matsuhara, Hidehiro Kaneda, Yasuhiro Kawakatsu, and SPICA Team

[B2B-6-2]

14:20~14:40

[Invited] ASTRO-H International X-ray Observatory

Motohide Kokubun (Institute of Space and Astronautical Science/JAXA, Japan), Tadayuki Takahashi, and the ASTRO-H Collaboration

[B2B-6-3]

14:40~15:00

[Invited] Quantifying Dark Molecular Gas (DMG)

Di Li (National Astronomical Observatories, China), Carl Heiles, Duo Xu, and Zhichen Pan

[B2B-6-4]

15:00~15:15

[Invited] CFHT Status Report and Future Plans

Doug Simons (Canada-France-Hawaii Telescope, USA)

[B2B-6-5]

15:15~15:30

The Australia Telescope National Facility

Philip Edwards (CSIRO Astronomy & Space Science, Australia) and Naomi McClure-Griffiths



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Session: [B2C-6] S6 : Observing Facilities and International Collaborations

Date: August 19, 2014 (Tuesday)

Time: 16:00~17:30

Room: Room F (Room 108)

Chair: Byeong-Gon Park (Korea Astronomy and Space Science Institute)

[B2C-6-1]

16:00~16:20

[Invited] The Large Binocular Telescope as the first Extremely Large Telescope

Christian Veillet (Large Binocular Telescope Observatory, USA)

[B2C-6-2]

16:20~16:40

[Invited] The University of Tokyo Atacama Observatory (TAO) Project

Mamoru Doi (University of Tokyo, Japan)

[B2C-6-4]

16:40~17:00

Status of the Long Baseline Array

Philip Edwards (CSIRO Astronomy & Space Science, Australia)

Poster Session

17:00~17:30

Chairs: Byeong-Gon Park (Korea Astronomy and Space Science Institute)

Ajit Kembhavi (Inter-University Centre for Astronomy and Astrophysics)



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12th Asia-Pacific Regional IAU Meeting
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Session: [B3A-6] S6 : Observing Facilities and International Collaborations

Date: August 20, 2014 (Wednesday)

Time: 11:00~12:30

Room: Room F (Room 108)

Chair: Michael Burton (University of New South Wales)

[B3A-6-1]

11:00~11:20

[Invited] Paper Title Chinese Antarctic Observatory at Dome A

Ji Yang (Purple Mountain Observatory, Chinese Academy of Sciences, China)

[B3A-6-2]

11:20~11:40

[Invited] Astronomy at Dome Fuji in Antarctica

Takashi Ichikawa (Tohoku University, Japan)

[B3A-6-3]

11:40~11:55

HEAT @ Ridge A – the High Elevation Antarctic Terahertz Telescope

Michael Burton (University of New South Wales, Australia), Catherine Braiding, Michael Ashley, and John Storey

[B3A-6-4]

11:55~12:10

Site Testing Results from Dome A, Antarctica

Geoff Sims (University of New South Wales, Australia)

Poster Session

12:10~12:30

Chair: Michael Burton (University of New South Wales)



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Session: [B3B-6] S6 : Observing Facilities and International Collaborations

Date: August 20, 2014 (Wednesday)

Time: 14:00~15:30

Room: Room F (Room 108)

Chair: Hideyuki Kobayashi (National Astronomical Observatory of Japan)

[B3B-6-1]

14:00~14:15

[Invited] Status and Feature of East Asian VLBI Network

Hideyuki Kobayashi (National Astronomical Observatory of Japan, Japan), Yoshiaki Hagiwara, Se-Hyung Cho, Jongsoo Kim, Xiaoyu Hong, Zhiqiang Shen, and EAVN Team

[B3B-6-2]

14:15~14:30

[Invited] Overview of Japanese VLBI Network and Science Results

K. Fujisawa (Yamaguchi University, Japan)

[B3B-6-3]

14:30~14:45

KVN Source-Frequency Phase-Referencing Observation of 3C 66A & 3C 66B

Guang-Yao Zhao (Korea Astronomy and Space Science Institute, Korea), Bong Won Sohn, Taehyun Jung, Maria Rioja, and Richard Dodson

[B3B-6-4]

14:45~15:00

[Invited] Submm VLBI Activities in Taiwan

Makoto Inoue (Academia Sinica Institute of Astronomy and Astrophysics, Taiwan)

[B3B-6-5]

15:00~15:15

[Invited] The Korean VLBI Network and the Highlights of its Scientific Results

Jongsoo Kim (Korea Astronomy and Space Science Institute, Korea) and KVN Team

[B3B-6-6]

15:15~15:30

[Invited] VERA Science Results

M. Honma (National Astronomical Observatory of Japan, Japan)



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Session: [B3C-6] S6 : Observing Facilities and International Collaborations

Date: August 20, 2014 (Wednesday)

Time: 16:00~17:30

Room: Room F (Room 108)

Chair: Jongsoo Kim (Korea Astronomy and Space Science Institute)

[B3C-6-1]

16:00~16:15

[Invited] Key Science Observations of AGNs with KaVA Array

Motoki Kino (Korea Astronomy and Space Science Institute, Korea)

[B3C-6-2]

16:15~16:30

[Invited] Planning Large Programs of Stellar Maser Studies with KaVA

Se-Hyung Cho (Korea Astronomy and Space Science Institute, Korea), Hiroshi Imai, and the KaVA Evolved Star sub-Working Group

[B3C-6-3]

16:30~16:45

[Invited] Observational Studies of Star-forming Regions with KVN and KVN+VERA

Kee-Tae Kim (Korea Astronomy and Space Science Institute, Korea), Tomoya Hirota, and KVN+VERA Star Formation Working Group

[B3C-6-4]

16:45~17:00

[Invited] The Shanghai 65m Radio Telescope

Zhi-Qiang Shen (Shanghai Astronomical Observatory, China) and the Shanghai 65m Radio Telescope Project Team

Poster Session

17:00~17:30

Chairs: Jongsoo Kim (Korea Astronomy and Space Science Institute)

Hideyuki Kobayashi (National Astronomical Observatory of Japan)



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Session: [B4A-6] S6 : Observing Facilities and International Collaborations

Date: August 21, 2014 (Thursday)

Time: 11:00~12:30

Room: Room F (Room 108)

Chair: Hyung Mok Lee (Seoul National University)

[B4A-6-1]

11:00~11:20

[Invited] The KAGRA Project

Takaaki Kajita (University of Tokyo, Japan)

[B4A-6-2]

11:20~11:40

[Invited] LiteBIRD - CMB Polarization Mission for Detecting Primordial Gravitation Wave

Masashi Hazumi (High Energy Accelerator Research Organization, Japan)

[B4A-6-3]

11:40~12:00

[Invited] Constraining the Binary Inclination Angle Using Multi-Detector GW Observations

Archana Pai (Indian Institute of Science Education and Research, India)

[B4A-6-4]

12:00~12:15

Towards Gravitational Wave Detection with the Parkes Pulsar Timing Array

George Hobbs (CSIRO Astronomy & Space Science, Australia)

Poster Session

12:15~12:30

Chair: Hyung Mok Lee (Seoul National University)



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Session: [B5A-6] S6 : Observing Facilities and International Collaborations

Date: August 22, 2014 (Friday)

Time: 09:00~10:25

Room: Room F (Room 108)

Chair: Wonyong Han (Korea Astronomy and Space Science Institute)

[B5A-6-1]

09:00~09:20

[Invited] A Measurement of the Cosmic Microwave Background B-Mode Polarization with POLARBEAR

Yuji Chinone (High Energy Accelerator Research Organization, Japan)

[B5A-6-2]

09:20~09:40

[Invited] GroundBIRD: a Large Angular Observation of CMB Pol. from the Ground

S. Oguri (High Energy Accelerator Research Organization, Japan)

[B5A-6-3]

09:40~09:55

The Wendelstein 2m Telescope and it's Instrumentation

Frank Grupp (Max Planck Institute für Extraterrestrische Physik, Germany), Florian Lang-Bardl, Claus Gössl, Ulrich Hopp, and Ralf Bender

[B5A-6-4]

09:55~10:10

The 2m Telescope of the Thai National Observatory

Saran Poshyachinda (National Astronomical Research Institute of Thailand, Thailand)

[B5A-6-5]

10:10~10:25

U-SmART : Small Robotic Telescopes for Universities

Ranjan Gupta (The Inter-University Centre for Astronomy and Astrophysics, India), Harinder P. Singh, Shashi M. Kanbur, and Andreas Schirmpf



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Session: [B5B-6] S6 : Observing Facilities and International Collaborations

Date: August 22, 2014 (Friday)

Time: 11:00~12:30

Room: Room F (Room 108)

Chair: Ranjan Gupta (IUCAA)

[B5B-6-1]

11:00~11:20

[Invited] Optical-infrared and High-energy Astronomy Collaboration at Hiroshima Astrophysical Science Center

Makoto Uemura (Hiroshima University, Japan), Michitoshi Yoshida, K. S. Kawabata, T. Mizuno, Y. T. Tanaka, H. Akitaya, Y. Utsumi, Y. Moritani, R. Itoh, Y. Fukazawa, H. Takahashi, M. Ohno, T. Ui, K. Takaki, N. Ebisuda, K. Kawaguchi, K. Mori, Y. Ohashi, Y. Kanda, M. Kawabata, K. Takata, and T. Nakaoka

[B5B-6-2]

11:20~11:35

MIRIS, A Compact Wide-field Infrared Space Telescope

Wonyong Han (Korea Astronomy and Space Science Institute, Korea), Dae-Hee Lee, Woong-Seob Jeong, Youngsik Park, Bongkon Moon, Sung-Joon Park, Jeonghyun Pyo, Il-Joong Kim, Won-Kee Park, Duk-Hang Lee, Kwang-II Seon, Uk-Won Nam, Sang-Mok Cha, Jang-Hyun Park,

[B5B-6-3]

11:35~11:50

An East-Asian Planet Search Network (EAPS-NET)

Hideyuki Izumiura (National Astronomical Observatory of Japan, Japan)

[B5B-6-4]

11:50~12:05

International Collaboration for Silicon Carbide Mirror Polishing and Development

Jeong-Yeol Han (Korea Astronomy and Space Science Institute, Korea), Myung Cho, Gary Poczulp, Jakyung Nah, Hyun-Joo Seo, Kyeong-Hwan Kim, Kyung-Mo Tahk, Dong-Kyun Kim, Jinho Kim, Minho Seo, Jonggun Lee, and Sung-Yeop Han

Poster Session

12:05~12:30

Chairs: Ranjan Gupta (IUCAA)

Wonyong Han (Korea Astronomy and Space Science Institute)



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Poster Presentation

P6-01 Interferences Disturbance Mapping in Radio Astronomy

Roslan Umar (University of Malaya, Malaysia), Zamri Zainal Abidin, and Zainol Abidin Ibrahim

P6-02 Stellar Color Regression: a Spectroscopy Based Method Towards 0.1% Color Calibration and Recalibration of Stripe 82

Haibo Yuan (Peking University, China), Xiaowei Liu, Maosheng Xiang, Yang Huang, and Bingqiu Chen

P6-03 Radio Frequency Interference Measurement in Site Testing Programs for the Future Multi-wavelength Observatory in Indonesia

T. Hidayat (Institut Teknologi Bandung, Indonesia), B. Dermawan, P. Mahasena, A. Munir, and D. Mandey

P6-04 Reducing X-ray Bright Galaxy Groups Images with THELI Pipeline

Farnik Nikakhtar (Sharif University of Technology, Iran)

P6-05 Raman Spectroscopic Study of Dergaon Meteorite

P. Dutta (Dimoria College, India) and K. Duorah

P6-06 Imaging Capability of KVN and VERA Array (KaVA)

Kotaro Niinuma (Yamaguchi University, Japan)

P6-07 Optimizing the Night Time at the Canada-France-Hawaii Telescope

Daniel Devost (Canada-France-Hawaii Telescope, USA)

P6-08 On the Digitization of the Photographic Plate Archive of the UBAI in Tashkent

O. U. Usmanov (Ulugh Beg astronomical institute, Uzbekistan) and Sh. A. Ehgamberdiev

P6-09 The Numerical Simulation of Astro-climate Conditions Over Tibetan Plateau

Xuan Qian (National Astronomical Observatories, China), Yongqiang Yao, and Hongshuai Wang

P6-10 Gifu University 11-m Radio Telescope

Hiroshi Takaba (Gifu University, Japan) and Hiroshi Sudou

P6-11 On the Digitization of the Photographic Plate Archive of the UBAI in Tashkent

O. U. Usmanov (Ulugh Beg astronomical institute, Uzbekistan) and Sh. A. Ehgamberdiev



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P6-12 Current Status of the EAVN Experiments

Yoshiaki Hagiwara (National Astronomical Observatory of Japan, Japan), Tao An, Taehyun Jung, Duk-Gyoo Roh, Ming Zhang, Longfei Hao, Kenta Fujisawa, Yoshinori Yonekura, Willem Baan, Jongsoo Kim, and Hideyuki Kobayashi

P6-13 KVN Calibrator Survey (KVNCS)

Jeong Ae Lee (Korea Astronomy and Space science Institute, Korea), Bong Won Sohn, Taehyun Jung, Do-Young Byun, and Jeewon Lee

P6-14 Development of Takahagi and Hitachi 32-m Radio Telescopes for JVN/EAVN

Yoshinori Yonekura, Yu Saito, Koichiro Sugiyama, Yusuke Miyamoto, KangLou Soon, Munetake Momose, Hideo Ogawa, Kenta Fujisawa, Hiroshi Takaba, Kazuo Sorai, Naomasa Nakai, Toshihiro Omodaka, Tomoaki Oyama, Yusuke Kono, Hideyuki Kobayashi, and Noriyuki Kawag

P6-15 Weather Characteristics at Observatory Candidate Sites in West Tibet

Toshiyuki Sasaki, Hiroaki Naoe, Yosuke Utsumi, Hongshuai Wang, Yongqiang Yao, Michitoshi Yoshida, Norio Ohshima, Yoshitaka Mikami, Norio Okada, Kazuhiro Sekiguchi, Liyong Liu, Cai-Pin Liu, and Norio Kaifu

P6-16 Analysis of Reflectivity of Multilayer-coated Mirrors for Astronomical Telescopes

Ameera A. Jose (Western Mindanao State University, Philippines) and Eliezer E. Estrecho

P6-17 Sensitivity Analysis of Off-axis Three Mirror System for Space Infrared Telescope

Sanghyuk Kim (Kyung Hee University, Korea), Seunghyuk Chang, and Soojong Pak

P6-18 Performance Analysis of IGRINS Instrument Software

Hye-In Lee (Kyung Hee University, Korea), Soojong Pak, Huynh Anh N. Le, Chae Kyung Sim, Ueejeong Jeong, Moo-Young Chun, Chan Park, In-Soo Yuk, Kangmin Kim, Michael Pavel, Daniel T. Jaffe

P6-19 Activities of IRSF for 13 Years

Shuji Sato (Nagoya University, Japan) and Takahiro Nagayama

P6-20 Second Generation of CQUEAN (Camera for QUasars in EARly uNiverse)

Soojong Pak (Kyung Hee University, Korea), Myungshin Im, Sanghyuk Kim, Hye-In Lee, Tae-Geun Ji, Nahyun Choi, and Changsu Choi

P6-21 Australian Astronomical Observatory: Recent Advances in Instrumentation and Large Survey Science

Warrick Couch (Australian Astronomical Observatory, Australia)



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P6-22 The VLBI Monitor Project for the 6.7 GHz Methanol Masers Using the JVN/EAVN

Koichiro Sugiyama (Ibaraki University, Japan), Kenta Fujisawa, Kazuya Hachisuka, Yoshinori Yonekura, Kazuhito Motogi, Satoko Sawada-Satoh, Naoko Matsumoto, Yu Saito, Daiki Hirano, Kyonosuke Hayashi, Zhiqiang Shen, Mareki Honma, Tomoya Hirota, Yasuhiro Mur

P6-23 Observation of Cosmic Infrared Background with Korean Space Missions

Woong-Seob Jeong (Korea Astronomy and Space Science Institute, Korea), Jeonghyun Pyo, Toshio Matsumoto, Il-Joong Kim, Won-Kee Park, Dae-Hee Lee, Bongkon Moon, Sung-Joon Park, Youngsik Park, Duk-Hang Lee, Ukwon Nam, Myungshin Im, and Hyung Mok Lee

P6-24 22 GHz Monitoring of Sgr A* during the G2 Peri-Center Passing with Japanese VLBI Network

O. Kameya (National Astronomical Observatory of Japan, Japan), M. Tsuboi, Y. Asaki, Y. Yonekura, Y. Miyamoto, H. Kaneko, M. Seta, N. Nakai, M. Miyoshi, H. Takaba, K. Wakamatsu, Y. Fukuzaki, T. Morimitsu, and M. Sekido

P6-25 Science Missions of the MIRIS with the Preliminary Results

Jeonghyun Pyo (Korea Astronomy and Space Science Institute, Korea), Il-Joong Kim, Woong-Seob Jeong, Won-Kee Park, Wonyong Han, Dae-Hee Lee, Bongkon Moon, Duk-Hang Lee, Youngsik Park, Sung-Joon Park, Uk-Won Nam, Kwang-Il Seon, Min Gyu Kim, Hyung Mok Lee, T

P6-26 Multifrequency Phase-Referencing VLBI Observations of a Gigahertz-Peaked Spectrum Source PKS 2134+004

Kiyooki Wajima (Korea Astronomy and Space Science Institute, Korea)

P6-27 VLBI Measurement of Weak Sources with Improved Sensitivity

Fengchun Shu (Shanghai Astronomical Observatory, China), Wu Jiang, Leonid Petrov, Jinling Li, and Xiuzhong Zhang

P6-28 Performance of the 2.16m Telescope High Resolution Spectrograph at Xinglong Observatory

Xiaojun Jiang (National Astronomical Observatories, China), Huijuan Wang, Hongbin Li, Zhongwen Hu, and Lei Wang

P6-29 Development Status of the DOTIFS Data Simulator and the Reduction Package

Haeun Chung (Seoul National University, Korea) and A. N. Ramaprakash

P6-30 IGRINS Exposure Time Calculator and First Light Results

Huynh Anh Nguyen Le (Kyung Hee University, Korea), Soojong Pak, Daniel T. Jaffe, Michael Pavel, Andreas Seifahrt, and Jae-Joon Lee

P6-31 Iranian National Observatory 3.4m Telescope Project; Science and Instrumentation

Habib G. Khosroshahi (Institute for Research in Fundamental Science, Iran)