

Work Shop Program

11/4 (Thu)

- Session 1:** SKA overview (Chair: Noriyuki Kawaguchi).
- 9:00—9:10 Opening Remarks (Hiroyuki Nakanishi).
- 9:10—9:50 Joseph Lazio (JPL) : The Science of the Square Kilometre Array.
- 9:50—10:30 Steve Rawlings (Oxford): Overview of the Square Kilometre Array.
- 10:30—11:00 coffee
- Session 2:** SKA Pathfinder (1) (Chair: Joseph Lazio).
- 11:00—11:40 John Bunton (CSIRO): The Australian SKA Pathfinder: ASKAP.
- 11:40—12:20 Jasper Horrell (South African SKA Project Office): MeerKAT Overview: An Engineering and Technical Focus.
- 12:20—13:50 photo & lunch
- Session 3:** SKA Pathfinder (2) (Chair: Peter Dewdney).
- 13:50—14:20 Masaya Kuniyoshi (MPI): Low Frequency Array.
- 14:20—14:50 Kristian Zarb Adami (Oxford): $N \log N$ vs. N^2 Imaging Processes.
- 14:50—15:20 Minho Choi (KASI): Status of Korean Participation in the SKA Project.
- 15:20—15:50 coffee
- Session 4:** Science (1) (Chair: Yoshiaki Sofue).
- 15:50—16:20 Ryohei Kawabe (NAOJ): Collaboration with ALMA.
- 16:20—16:50 Keitaro Takahashi (Nagoya): Origin and Evolution of Cosmic Magnetic Fields.
- 16:50—17:10 Takuya Akahori (Chungnam National University): Exploring Faraday Rotation Measure due to the Intergalactic Magnetic Field with the Square Kilometer Array.
- 17:10—17:30 Lisa Harvey-Smith (CSIRO): Studying magnetic fields using Faraday rotation of polarized extragalactic sources: Future prospects with ASKAP and the SKA.
- 17:30—17:40 break
- 17:40—18:10 discussion (1).
- 18:30—20:00 banquet

11/5 (Fri)

- Session 5:** Technology toward SKA (Chair: Steve Rawlings).
9:00—9:30 Noriyuki Kawaguchi (NAOJ): Technical Interests on the SKA.
9:30—10:00 Peter Dewdney (SPDO): SKA update and engineering opportunities /ideas.
10:00—10:30 Philip Diamond (CSIRO): The potential socio-economic impact of the SKA
- 10:30—11:00 coffee
- Session 6:** SKA Industry (Chair: Hiroyuki Nakanishi).
11:00—11:30 Toshiki Kumazawa (TOYO): SKA-Japan industry.
11:30—12:00 Carole Jackson (CSIRO): Engaging industry – the Australian SKA experience so far.
12:00—12:20 Tomoharu Kurayama (Kagoshima): Variable-Step Frequency Integration in the Decade/Century-Band Imaging.
- 12:20—13:50 lunch
12:45—13:15 4D2U
- Session 7:** Science (2) (Chair: Philip Edwards).
13:50—14:20 Hiroshi Imai (Kagoshima): Astrometry from VERA to SKA.
14:20—14:50 Osamu Kameya (NAOJ): Pulsar study using the SKA.
14:50—15:20 Satoshi Yamamoto (Tokyo): Spectral line survey.
- 15:20—15:50 coffee
- Session 8:** Science (3) (Chair: Ryohei Kawabe).
15:50—16:20 Tsutomu Takeuchi (Nagoya): Physics of the Formation and Evolution of Galaxies: Report from the High-z Working Group.
16:20—16:50 Motoki Kino (NAOJ): AGN science with SKA.
16:50—17:20 Kazuyuki Omukai (Kyoto): Star formation.
- 17:20—17:50 discussion (2).
17:50—18:00 Concluding Remarks (Ryohei Kawabe)