SKA1 Continuum Science Assessment Workshop

Program Version 1.0

Day 1 Monday Sep 9

08:15 bus leaves hotel

09:00 Welcome and Introduction [Diamond, Huynh]

Session: Science Overview [focused on SKA1 perspectives/critical tech. requirements]  Prandoni, Seymour (chairs)
09:15 Science Case 1: Tracing SF in the Universe [Murphy]
09:40 Science Case 2: Tracing AGN in the Universe [Smolcic *remote*]
10:05 Science Case 3: Diffuse radio sources in galaxy clusters [Ferrari]

10:30 coffee

11:00 Science Case 4: Galactic Science [Umana]
11:25 Science Case 5: Cosmology with continuum surveys [Bacon]
11:50 Science Case 6: Cosmic Magnetism [Taylor]
12:15 Continuum Survey Simulations and Source Populations, or What will SKA1 Surveys Find? [Condon]
12:40 lunch

Session: Precursor and Pathfinder Lessons [focus on SKA1 technical requirements to go a step beyond] Huynh (chair)
14:00 MWA [Hurley-Walker *remote*]
14:25 MeerKAT [van der Heyden]
14:50 ASKAP [Norris]
15:15 JVLA [Condon]

15:40 coffee

16:10 eMERLIN [Beswick]
16:35 LOFAR [Heald]
17:00 GMRT [Sirothia]

17:25 adjourn
Day 2 Tuesday Sep 10

08:15 bus leaves hotel

**Session: Baseline Design and Requirements**
09:00 Baseline Design [Dewdney]
09:45 Science requirements: office perspective [Huynh, Stevenson]
10:00 Science requirements: continuum science team perspective
10:00 Low frequency case (SKA1-Low) [Rottgering]
10:15 Mid frequency case (SKA1-Mid and SKA1-Survey) [Seymour]

10:40 coffee

11:10 Science requirements: magnetism science team perspectives [Govoni]
11:25 Science requirements: cosmology science team perspectives [Abdalla/Bacon]
11:40 Discussion: Baseline Design [all] Braun, Huynh, Prandoni, Seymour (chairs)

12:30 lunch

**Session: Baseline Design and Requirements**
14:00 Discussion: Baseline Design - continued [all] Braun, Huynh, Prandoni, Seymour (chairs)

**Session: Operations Concept, Expected Data Products**
15:00 Continuum surveys and computational issues [Cornwell]

15:30 coffee

16:00 Discussion: Operations, Expected Data Products, Change Process [all] Braun, Stevenson, Seymour (chairs)

**Session: Path to SKA2**
16:30 SKA2 Science Case: dusty SF galaxies at $z>4$ [Sargent]
16:55 Discussion on path to SKA2 [all] Huynh, Braun, Taylor, Murphy (chairs)
17:45 adjourn

Dinner, Red Lion in Pickmere. Bus leaving Cottons Hotel at 7pm, returning by 9:30-10pm
Day 3 Wednesday Sep 11

08:15 bus leaves hotel

Session: Summary and Document Preparation

9:00 summary of the workshop [all] Huynh, Braun, Prandoni, Seymour (chairs)
10:00 document preparation [all]

11:00 coffee

11:30 presentation and discussion of summary document [all] Prandoni, Seymour (chairs)

12:30 lunch