

# Third UCT/ICRAR/APERTIF Workshop

## *SKA Pathfinder and Precursor HI Surveys: Commissioning and Simulation Needs*

Arniston, South Africa  
2-6 May 2010

### **Draft Programme (version 10 april 2010)**

Note that all talk times listed include 5 minutes for questions or discussion.

#### **Sunday May 2**

from 14.00   Arrival  
17.00-19.30   Registration  
18.00-19.30   Welcome drinks and snacks

#### **Monday May 3**

##### Facilities Overview

08.45       Welcome  
08.50       ACGC (Renée Kraan-Korteweg)  
09.00       ICRAR (Lister Staveley-Smith)  
09.10       MeerKAT (Roy Booth)  
09.35       ASKAP (Tobias Westmeier)  
10.00       European SKA Efforts (Wim van Driel)  
  
10.25       *Coffee*  
  
10.55       KAT-7 update (Anja Schröder)  
11.15       SALT update (Steve Crawford)  
11.35       APERTIF (Paolo Serra)  
12.00       Discussion on Facilities  
  
12.30       *Lunch*

## Projects Overview

14.00	WALLABY (Lister Staveley-Smith)
14.20	DINGO (Martin Meyer)
14.40	MeerKAT HI Ultra Deep Field (Sarah Blyth/Benne Holwerda)
15.05	MHONGOOSE (Erwin de Blok)
15.25	MeerVirgo (Wim van Driel)
15.45	<i>Coffee</i>
16.15	MeerKAT Fornax Survey (Paolo Serra)
16.35	ThunderKAT (Patrick Woudt)
16.55	Discussion on Projects
17.30	<i>End</i>
19.00	<i>Dinner</i>

## **Tuesday May 4**

### Observations and Science Simulations

09.00	HI, CO and Star Formation Distributions in Galaxies (Gerhardt Meurer)
09.25	HI-rich Dwarf Irregulars (Bradley Warren)
09.50	Enigmatic Dwarfs (Ed Elson)
10.10	Comparing HI and CO Dynamics of THINGS galaxies (Bradley Frank)
10.30	<i>Coffee</i>
11.00	Comparing Real and Simulated Galaxies (Se-Heon Oh)
11.25	THINGS HI Super Profiles (Roger Ianjamasimanana)
11.45	Cosmology with the 6dF Galaxy Survey (Florian Beutler)
12.10	Visualising Neutral Hydrogen - A Simulation Perspective (Alan Duffy)
12.35	Discussion
13.15	<i>Lunch</i>
	<i>Free afternoon</i>
19.00	<i>Conference Dinner</i>

## **Wednesday May 5**

### Telescope Data Streams and Pipelines

- 09.00 MeerKAT Data Processing and Science Support (Jasper Horrell)  
09.25 MeerKAT Data Stream Processing Architecture -  
Status and Developments (Simon Ratcliffe)  
09.50 SALT Pipeline Experiences (Steve Crawford)  
10.15 APERTIF Simulated Observations (Paolo Serra)
- 10.40 *Coffee*

### Source Finding

- 11.10 Source Finding (Matthew Whiting)  
11.35 Source Finding in WALLABY (Tobias Westmeier)  
12.00 Discussion on pipelines and source finding
- 12.30 *Lunch*

### Closing Discussions

- 14.00 General Discussion or Break-away Sessions
- 15.30 *Coffee*
- 16.00 Closing Discussion
- 17.30 *End*

## **Thursday May 6**

Check-out and Departure