

SKA – DELIVERING THE SCIENCE

Tuesday, April 12

<i>09:00-10:00</i>		<i>Registration, coffee and pastry</i>
Introductory talks		
10:00	O. Panić	Welcome
10:05	P. Alexander	Science Data Processor Overview
10:30	R. Bolton	SDP: Products and data rates from the SKA
10:55	M. Jones	SKA-mid sensitivity
11:15	K. Grainge	Signal and Data Transport for the SKA
<i>11:35-11:45</i>		<i>A short break</i>
11:45	M. Jarvis	MIGHTEE – the MeerKAT medium deep survey current status and plans
12:10	A. Onose	Primal-dual algorithms for next-generation radio-interferometric imaging
<i>12:30-13:40</i>		<i>Lunch</i>
Continuum Imaging and Cosmology		
13:40	B. Nikolić	The SKA Imaging and Calibration Challenge
14:00	W. Williams	Deep continuum imaging with LOFAR
14:20	J. Sabater	Calibration of low-frequency radio astronomy data on cloud infrastructures
14:40	S. Goldman	Maser discoveries with the SKA
15:00	I. Harrison	Data and Analysis Requirements for Precision Cosmology with Radio Weak Lensing
<i>15:15-16:00</i>		<i>Coffee/Tea</i>
16:00	A. Pourtsidou	Synergy between intensity mapping, optical galaxy, and CMB surveys
16:15	M. Tarr	Weak lensing in the radio regime
16:30 – 17:30		Plenary discussion: “Challenges faced by SDP for imaging”

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<i>09:00-09:30</i>		<i>Coffee and pastry</i>
09:30	A. Bridger	Observation Management in the SKA Observatory
Time series data		
09:50	R. Lyon	Machine Learning and Science Data Processing
10:10	A. Karastergiou	Pulsar science with the SKA
10:30		Discussion of SDP issues in time-series data
<i>10:50-11:20</i>		<i>Coffee/Tea</i>
Fast imaging for slow transients		
11:20	A. Scaife	Fast imaging
11:40	A. Rushton	Hunting explosive events with the SKA
12:00	C. Mundell	Fast Radio Transients in the SKA Era
12:15	K. Mooley	Wide-field and Near-Real-Time Surveys for Radio Transient Search
12:30		Discussion of SDP issues in fast imaging
<i>12:50-13:50</i>		<i>Lunch</i>
13:50		Break-out discussions
Epoch of reionisation		
14:20	E. Chapman	The EoR Pipeline
14:40	M. Haehnelt	21cm prediction in reionization models calibrated with Ly α forest data
14:55		Discussion of SDP issues in EoR
<i>15:15-15:55</i>		<i>Coffee/Tea</i>
15:55	B. Mann	Computational synergies between SKA and LSST
16:15 – 17:30		Plenary discussion: “Requirements of Regional Centres”