

## CAASTRO EoR Global Signal Workshop – Programme

updated: 2012/11/01 09:50:14

Monday 19<sup>th</sup> Nov

Time	Chair	Theme	Speaker	Topic
09:00				
09:15	Wayth	Experiments	Bryan Gaensler	Welcome
09:20			Frank Briggs	The pursuit of primordial hydrogen
09:50			Adrian Liu	Current state of global signal theory
10:20				discussion/questions
10:40				<i>Morning Tea</i>
11:00	Sokolowski		Lincoln Greenhill	LEDA
11:30			Leon Koopmans	LOFAR: AARTFAAC/LSS
12:15				<i>Lunch</i>
13:15	Briggs		Aaron Chippendale	Cosmological Reionisation Experiment Mkl: Lessons and Directions
14:00			Ron Ekers	From Corell to SARAS - the zero spacing interferometers
14:45			Abhi Datta	The Dark Ages Radio Explorer (DARE): Constraining Cosmic Dawn from the Global 21-cm Signal
15:15				<i>Afternoon Tea</i>
15:35	Padhi		Philip Lubin	Plank (TBC)
16:20			Steven Tremblay	BIGHORNS
16:50				discussion

Tuesday 20<sup>th</sup> Nov

Time	Chair	Theme	Speaker	Topic	
09:00	Tremblay	Experiments	Nipanjana Patra	SARAS	
09:30			Harish Vedantham	LOFAR: LOCOS	
10:00			Leon Koopmans	SURO/LRX	
10:20				discussion	
10:30				<i>Morning Tea</i>	
10:50	Chippendale	Antennas	Shantanu Padhi	Log conical spiral antenna	
11:15			John O'Sullivan	Resistive screens	
11:35			Christophe Granet	Broadband antennas	
12:05			Judd Bowman	Calibration limits	
12:35				discussion	systematics and limitations from antenna/receiver calibration
12:50				<i>Lunch</i>	
13:45	Ekers	Receivers & Spectrometers	Judd Bowman	EDGES/DAWN	
14:30			Mehran Moss	The BIGHORNS receiver	
14:50			Paul Roberts	high speed digital signal processing - the BEDLAM board	
15:10			Mike Terkildsen	Radio Astronomy and the Ionosphere	
15:40				<i>Afternoon Tea</i>	
16:00				discussion	what have we learned about building radiometers for this experiment?
17:00					
18:30		Workshop dinner			

Wednesday 21<sup>st</sup> Nov

<b>Time</b>			<b>Speaker</b>	<b>Topic</b>
09:00	Bowman	RFI	Ben McKinley	FM radio from the moon
09:20			Andre Offringa	RFI statistics with LOFAR
09:50			Marcin Sokolowski	Data analysis for Bighorns
10:10			discussion	RFI management and mitigation techniques
10:40				<i>Morning Tea</i>
11:00	Huynh	Related science	Liu	Global Signal Experiments: A designer's guide
11:45			Keith Bannister	Next generation receivers
12:05			Iver Cairns (TBC)	Solar spinoff science from EoR experiments
12:35			discussion	spinoff science – next steps and collaborations
12:50				<i>Lunch</i>
13:50	Wayth		discussion	Follow-up and detailed discussions. Topics may include: Questions and discussion from Adrian Liu's talk Multiple heterogeneous antenna systems Other calibration limits Polarised foregrounds Data analysis
16:00				<i>Finish</i>
16:30				CAASTRO Office Opening Party