

CAASTRO EoR Global Signal Workshop – Programme

updated: 2012/11/12 20:57:30

Monday 19th 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
11:45			Leon Koopmans	LOFAR: AARTFAAC/LSS
12:30				<i>Lunch</i>
13:30	Briggs		Aaron Chippendale	Cosmological Reionisation Experiment Mkl: Lessons and Directions
14:15			Ron Ekers & Ravi Subrahmanyan	From Corell to SARAS - the zero spacing interferometers
15:00			Abhi Datta	The Dark Ages Radio Explorer (DARE): Constraining Cosmic Dawn from the Global 21-cm Signal
15:30				<i>Afternoon Tea</i>
15:50	Padhi		Philip Lubin	Planck (TBC)
16:35			Steven Tremblay	BIGHORNS
17:05			discussion	

Tuesday 20th Nov

Time			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				Jon Kot	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				Paul Roberts	high speed digital signal processing - the BEDLAM board
14:50			Mike Terkildsen	Radio Astronomy and the Ionosphere	
15:20				<i>Afternoon Tea</i>	
15:40			Mehran Moss	The BIGHORNS receiver	
16:00			Keith Bannister	A self calibrating receiver for EOR detection	
16:20			discussion	what have we learned about building radiometers for this experiment?	
17:00					
18:30				Workshop dinner: Rubyos. 18-20 King Street, Newtown.	

Wednesday 21st Nov

Time	Chair	Theme	Speaker	Topic
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			Emil Lenc	MWA observations of the diffuse polarised foreground.
12:05			Nithyanandan Thylungra	EoR contamination and detection using the MWA
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