



8th International VLBI Technology Workshop

18-20 November 2019

Sydney Australia

Program



Monday, 18 November 2019

10:00-10:30	Morning Tea and Registration	
10:30-10:40	Tasso & Chris	Welcome
10:40-11:00	Michael Lindqvist	EVN - Quo vadis?
11:00-11:20	Harro Verkouter	ESCAPEism
11:20-11:40	Cormac Reynolds	VLBI Developments in Australia
11:40-12:00	Tim Natusch	Warkworth New Zealand Station report
12:00-12:20	Jamie McCallum	First VGOS observations with the AuScope Array
12:20-12:40	Chet Ruszczyk	VGOS - open technical challenges
12:40-13:30	Lunch	
13:30-13:50	Weimin Zheng	The progress of CVN
13:50-14:10	Andrea Melis	The Sardinia Radio Telescope: a general purpose facility
14:10-14:30	Helge Rottmann	BRAND - Next generation receiver for VLBI
14:30-14:50	George Heald	An Australian Low-Frequency LBA
14:50-15:20	Afternoon Tea	
15:20-15:40	Guifre Molera Calves	VLBI Spacecraft tracking capabilities at UTAS
15:40-16:00	Shinji Horiuchi	Southern Hemisphere Bistatic Radar
16:00-17:00	Discussion	

Tuesday, 19 November 2019

09:30-10:00	Alex Dunning	Wideband and wide field of view, the future of Parkes receivers
10:00-10:30	Grant Hampson	Bluring Technology Development
10:30-11:00	Morning Tea	
11:00-11:30	Peter Kerney - Intel	Six Pillars of Innovation on the Path to Exascale
11:30-12:00	Michael Reznik – Avnet	Xilinx in Astronomy – from Antenna to Data Center
12:00-12:30	David Wilde - AARNet	Emerging Networks
12:30-13:30	Lunch	
13:30-14:00	Danny Price – Berkley	Breakthrough Listen: Data challenges and file formats
14:00-14:30	Andrew Jameson – Swinburne	DSP pipelines and backends with GPUs
14:30-15:00	Ian Morrison – Curtin	New back-end DSP developments for the MWA
15:00-15:30	Afternoon Tea	
15:30-16:00	Yuqing Chen – CSIRO	The White Rabbit Experiment
16:00-16:30	Yabai He - Macquarie	RF over fibre
17:30	Bus Departs Marsfield site for Conference Dinner Cruise	

Wednesday, 20 November 2019

09:30-09:50	Nectaria Gizani	The Hellenic Radio Telescope Thermopylae within VLBI (Remote)
09:50-10:10	Zhong Chen	Shanghai VLBI Center Operation Updates
10:10-10:30	Jaehwan Yeom	GPU Correlator Core for Extended KVN
10:30-11:00	Morning Tea	
11:00-11:20	Maria Rioja	Astrometry: Where are we and where are we going?
11:20-11:40	Yulia Lopez	Search for candidate radio stars suitable to align ICRF3 to Gaia DR2
11:40-12:00	Oleg Titov	Estimation of the instantaneous Earth rotation rate with geodetic VLBI
12:00-12:20	Gabor Orosz	Maser science with the AuScope wideband receivers
12:20-13:30	Lunch	
13:30-13:50	Wu Yajun	The backends of Tianma telescope
13:50-14:10	Harro Verkouter	a-VLBI with jive5ab (the sequel)
14:10-14:30	Helge Rottmann	DBBC3 backend - Current status
14:30-14:50	Mark Kettenis	Software projects at JIVE
14:50-15:00	Afternoon Tea	
15:00-16:00	Colloquium	Huib van Langevelde
