

SCIENCE MEETING SCHEDULE



TIME (AEST)	MONDAY 19 June	TUESDAY 20 June	WEDNESDAY 21 June	THURSDAY 22 June	FRIDAY 23 June
9:00 - 10:30	Session 1: PTA Updates Chair: R. Shannon	Session 5: Noise Modelling II Chair: I. Nitu	Session 9: GW Searches Chair: J. Simon	Session 11: GW Astrophysics Chair: A. Vecchio	Session 15: Scintillation and Scattering Chair: M. Lam
	15 min Word of Welcome 20 min George Hobbs (CSIRO): Overview of the PPTA Project 20 min Golam Shaifullah (Milan-Bicocca): The EPTA Update 30 min Kuo Liu (MPIFR): Update from the IPTA DC WG & EPTA DR2	20 min Atharva Kulkarni (Swinburne): Modelling and accounting for spectral decorrelation in jitter noise 20 min Andrew Zic (CSIRO): Characterising noise in MSP observations with the PPTA 20 min Francesco Iraci (INAF): DM Variations: comparing recovering techniques for PTAs 20 min Matthew Miles (Swinburne): The MeerKAT PTA: Noise modelling and searches for common signals 5 min Yan Wang (Huazhong): Multi-messenger observations of double neutron stars in Galactic disk with gravitational and radio waves	20 min Ryo Kato (Kumamoto/Osaka): Accuracy of source location estimation for gravitational waves with PTAs 20 min Aaron Johnson (Caltech): NANOGrav Software: Current Code and Future Directions 20 min Bruce Allen (AEI Hannover): The Hellings and Downs correlation of an arbitrary set of pulsars 20 min Valentina Di Marco (Monash): Ensuring robust detections of nanohertz gravitational waves 5 min Alberto Vecchio (Birmingham): Implications of Pulsar Timing Array Observations for LISA detections of MBHBs	30 min Subhjit Dandapat (TIFR): Quantitative PTA Posteriors Comparisons & Characterising Burst with Linear memory events with PTAs 20 min Gabriel Freedman (UWM): Efficient and Scalable Gravitational Wave Searches with Gradient-Based Monte Carlo Methods 20 min Malgorzata Curylo (Warsaw): Modelling co-evolution of galaxies and massive black holes: implications for mergers and their signatures 20 min Serena Valtolina (AEI Hannover): Hellings-Downs correlation mean & variance for polarised ensembles of GW sources	20 min Lydia Guertin (Haverford): Multiwavelength Scintillation in the Profile of PSR J1744-1134 20 min Jacob Turner (WVU): Scattering Delay Mitigation in High Accuracy Pulsar Timing: Cyclic Spectroscopy Techniques 20 min Avinash Kumar Paladi (Indian Institute of Science): Multi-band Extension of the Wideband Timing Technique 20 min Jacob Askew (Swinburne): Interstellar Scintillation of the double pulsar using MeerKAT
10:30 - 11:00	Morning Tea				
11:00 - 12:00	Session 2: Timing I Chair: D. Reardon	Session 6: GWs and SMBHBs Chair: E. Thrane	Session 10: Closed Discussion	Session 12: Diversity, Equity & Inclusion Chair: P. Baker	Session 16: Polarimetry Chair: H. Hu
	20 min Thankful Cromartie (Cornell): The NANOGrav 15-Year Data Release and Synergistic Science Results 20 min Ryan Shannon (Swinburne): MeerKAT PTA status update 20 min Gabriella Agazie (UWM): Wideband Pulsar Timing with CHIME and the NANOGrav 15yr Dataset	20 min Joseph Simon (CU Boulder): Exploring Proxies for the SMBH Mass Function: Implications for PTAs 20 min J. Andrew Casey-Clyde (UConn): How Many Quasars Host SMBHB Systems? 20 min Jeremy Baier (OSU): Single-source sensitivity curves in hasasia	The future of the IPTA Panelists: M. Bailes, M. Geyer, N. Lewandowska, A. Possenti, K. Takahashi, S. Vigeland	60 min Angela Cartwright (WVU): IPTA Diversity, Equity and Inclusion: Results, Analysis and Discussion of the Climate Survey	20 min Jinchun Jiang (NAO/CAS): Progress of CPTA polarimetry 20 min Xueli Miao (NAO/CAS): Variability, polarimetry and timing properties of single pulses from PSR J2222-0137 using FAST 20 min Tao Liu (HK University): Pulsar Polarisation Arrays
12:00 - 13:30	Lunch				
13:30 - 15:00	Session 3: Timing II and Noise Modelling I Chair: N. Lewandowska	Session 7: Closed Session II Chair: D. Good	Free Afternoon	Session 13: Pulse Shapes & Single Pulses Chair: M. Geyer	Session 17: Spiders and Tests of Relativity Chair: A. Kapur
	20 min Deborah Good (UConn/Flatiron): Friends in Code Places: PINT-Pal, EDR3 and the creation of the first PINT- based IPTA dataset 20 min Agastya Kapur (CSIRO/Macquarie): The PPTA Third Data Release 5 min Ezequiel Zubieta (IAR): High-cadence pulsar monitoring from the Argentine Institute of Radio Astronomy 5 min Matthew Bailes (Swinburne): The Swinburne Pulsar Portal 20 min Shashwat Sardesai (UWM): Generalized Optimal Statistic for Multiple Cross Correlated Signals 20 min Bjorn Larsen (UConn): IPTA EDR3 DM Noise Modelling: Preliminary Results	20 min Siyuan Chen (Peking): EPTA DR2 + InPTA DR1 GWB search 20 min Jeffrey Hazboun (OSU): The NANOGrav 15-Year Data Set: Detector Characterization and Noise Budget 20 min Stephen Taylor (Vanderbilt) & Sarah Vigeland (UWM): The NANOGrav 15-year Dataset: The Stochastic GWB 20 min Daniel Reardon (Swinburne): Search for a stochastic GWB with the PPTA		20 min Rowina Nathan (Monash): Improving pulsar-timing solutions through dynamic pulse fitting 20 min Bojun Wang (NAO/CAS): Progress of CPTA jitter analysis 20 min Ross Jennings (WVU): The March 2021 shape change in PSR J1713+0747 as seen by NANOGrav 20 min Natalia Lewandowska (SUNY Oswego): Pulsar Timing using Single Pulses	20 min Lingqi Meng (NAO/CAS): The Relativistic Spin Precession of the Compact Double Neutron Star PSR J1946+2052 20 min Huanchen Hu (MPIFR): New gravity tests with the Double Pulsar using the MeerKAT telescope 20 min Sangita Kumari (NCRA/TIFR): Decade long timing study of BW MSP J1544+4937 and probing the suitability of including BW MSPs in the PTA 20 min Jingbo Wang (Lishui Uni): Study of spider pulsars with FAST
15:00 - 15:30	Afternoon Tea			Afternoon Tea	
15:30 - 16:30	Session 4: Closed Session I Chair: R. Manchester	Session 8: Closed Session III Chair: S. Vigeland		Session 14: Timing Noise and Slow Pulsars Chair: A. Possenti	Session 18: PTA Improvements Chair: T. Cromartie
	20 min Kejia Lee (Peking Uni): CPTA Status Update 20 min Heng Xu (NAO/CAS): First data release of CPTA 20 min Keitaro Takahashi (Kumamoto Uni): Recent Activities of InPTA	20 min Paul Baker (Widener): 3P+ Comparisons 20 min Levi Schult (Vanderbilt): 3P+ Comparisons using the factorised likelihood method 20 min Nicolas Caballero (Hellenic OU): What simulations tell us about EPTA DR2 GW searches		20 min Iuliana Nitu (JBCA/UMan): Modelling (quasi-)periodic noise in pulsar timing data 20 min Subham Singh (NCRA-TIFR): Efficient search of long-period pulsars with the GMRT 20 min Matthew Kerr (NRL): Joint Gamma-ray/Radio Analysis of Timing Noise and an Updated GWB Search	20 min Hao Ding (Shanghai): Accelerating PTA Sensitivity Enhancement with VLBI Astrometry of MSPs 20 min Shyam Sunder (NCRA/TIFR): GMRT discovered MSPs: possible candidates for the PTA 20 min Pratyasha Gitika (Swinburne): Optimising the MeerKAT PTA

ONLINE SESSION

Wednesday 21 June

Session 1 (Open - AEST 20:20 - 21:00 | UTC 10:20 - 11:00 | ET 06:20 - 07:00)
Chair: S. Desai

20 min | Ramesh Bhat (Curtain): The SMART pulsar survey: first discoveries and future processing plans

20 min | Ankita Ghosh (NCRA): Probing the orbit of MSP J1242-4712 discovered by the GHRSS survey

1 hour break

Session 2 (Closed - AEST 22:00 - 23:00 | UTC 12:00 - 13:00 | ET 08:00 - 09:00)
Chair: B. C. Joshi

20 min | Aditya Parthasarathy (MPIFR): Customised pulsar noise models for the second data release of the EPTA

20 min | Alberto Sesana (Milan Bicocca): Implications of the EPTA DR2 analysis

20 min | Aman Srivastava (IIT Hyderabad): Noise analysis in the InPTA Data Release 1

2 hour break

Session 3 (Closed - AEST 01:00 - 02:00 | UTC 15:00 - 16:00 | ET 11:00 - 12:00)
Chair: N. Porayko

20 min | Lankeswar Dey (WVU): Timing analysis of robust polarisation calibrated NANOGrav data

20 min | William Lamb (Vanderbilt): Stop Horsing Around: Faster GWB Spectral Characterisation for IPTA DR3

20 min | Abhimanyu Susobhanan (UMW): A pilot single-pulsar search for gravitational waves from supermassive eccentric binaries

30 min break

Session 4 (Closed - AEST 02:30 - 03:30 | UTC 16:30 - 17:30 | ET 12:30 - 13:30)
Chair: I. Stairs

20 min | Polina Petrov (Vanderbilt): Mapping the Host Galaxies of Nanohertz Gravitational Wave Sources

20 min | Nihan Pol (Vanderbilt): Search for anisotropy gravitational background in the NANOGrav 15 year dataset

20 min | Bence Becsy (OSU): Search for supermassive black hole binaries in the NANOGrav 15 year dataset