

Dr. James W. McKee

LECTURER (ASSISTANT PROFESSOR) · UNIVERSITY OF HULL

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Academic Positions

Lecturer (Assistant Professor)

CENTRE OF EXCELLENCE FOR DATA SCIENCE, ARTIFICIAL INTELLIGENCE, AND MODELLING (DAIM),
UNIVERSITY OF HULL

Kingston-upon-Hull, UK

2022 – present

CITA Fellow

CANADIAN INSTITUTE FOR THEORETICAL ASTROPHYSICS, UNIVERSITY OF TORONTO

Toronto, Canada

2020 – 2022

Research Fellow

MAX PLANCK INSTITUTE FOR RADIO ASTRONOMY

Bonn, Germany

2017 – 2019

Education

Ph.D. Astronomy & Astrophysics

THE UNIVERSITY OF MANCHESTER

- Supervisor: Prof. Benjamin Stappers
- Thesis: *High-Precision Pulsar Timing*

Manchester, UK

2013 – 2017

B.Sc. (hons) Physics with Astrophysics

UNIVERSITY OF HULL

- First class honours

Kingston-upon-Hull, UK

2010 – 2013

Teaching

CERTIFICATION

I am pursuing a master's-level qualification (PGCert Academic Practice) in the University of Hull's Teaching Excellence Academy (expected completion: May 2024). Module list:

- *Reflective Teaching in Higher Education* (topics covered: how people learn, delivering lectures effectively, learning in groups, the inclusive classroom)
- *Curriculum Design* (the curriculum, assessment and feedback, data- and evidence-led curriculum design and evaluation, inclusivity and decolonisation/sustainability, ABC learning design)
- *Educational Enquiry* (ethics in teaching, creating and disseminating learning and teaching theory, critical reflection in teaching philosophy)

COURSES TAUGHT

- 2023 **STFC Introductory Summer School in Astronomy**, lecturer, *Pulsars: Theory and Applications*
- 2022–present **M.Sc. Data Science**, lecturer, *Fundamentals of Data Science Research and Application in AI and Data Science*, M.Sc. project supervision University of Hull
- 2020–2022 **Summer Undergraduate Research Program**, lecturer, *Pulsars: Theory and Applications*, University of Toronto
- 2017 – 2019 **IPTA Student Week**, invited lecturer, The International Pulsar Timing Array
- 2013 – 2016 **MPhys Physics**, undergraduate physics teaching laboratory, The University of Manchester
- 2011 – 2013 **Disability Services**, tutor, invigilator, University of Hull

Student Supervision

CURRENT

Ph.D. student: Georgia Lowes, University of Hull. Thesis title: *Shedding Light on Pulsar Emission and its Propagation Through Plasma Environments*. Expected completion: September 2026.

M.Sc. students: Supervising 16 research projects

COMPLETED

Ph.D. students co-supervised: 4

M.Sc. students supervised: 10

Undergraduate students supervised: 2

Awards

GRANTS AND PRIZES

- 2023 **UKRI Astronomy Observation Small Award**, Project title: *EMO-GP: Emission Mechanisms of Giant Pulses* (grant reference ST/Y002520/1). Amount: 558,364 GBP
- 2022 **NSERC Brockhouse Prize**, Awarded to the CHIME experiment in recognition of highly collaborative Canadian teams of researchers from different disciplines who have combined their expertise to produce achievements of outstanding significance in the natural sciences and engineering
- 2022 **CITA Council Funding**, *Scintillometry Workshop 2022*. Amount: 8,000 CAD
- 2022 **Dunlap Institute Conference & Workshop Funding**, *Scintillometry Workshop 2022*. Amount: 8,000 CAD
- 2020 **CITA Fellowship**, University of Toronto
- 2016 **Library Open Access Funding**, The University of Manchester. Grant to digitise the Jodrell Bank Observatory historical logbooks. Amount: 1,000 GBP
- 2015 **School of Physics Poster Prize**, The University of Manchester
- 2011 **Ede & Ravenscroft Prize**, University of Hull
- 2011 **Stephen Naylor Memorial Prize**, University of Hull

OBSERVING PROPOSALS

projects as P-I: 9 **projects as Co-I:** 15 **total observing time awarded:** 1,761.5 hrs

- 2023 **Green Bank Telescope (8 hrs)**, *Continued Broadband Observations of Giant Pulses from PSR J0218+4232*, P-I
- 2023 **Green Bank Telescope (12 hrs)**, *Searching for Scintillation Arcs in NANOGrav Binary Pulsars*, Co-I
- 2023 **Very Large Array (14 hrs)**, *Investigating Relation Between Neutral Hydrogen Filaments and Scintillation*, Co-I
- 2023 **Green Bank Telescope (16 hrs)**, *Assessing the Presence of Scintillation Arcs in NANOGrav Binary Pulsars*, Co-I
- 2022 **Green Bank Telescope (16.5 hrs)**, *Continued Monitoring of PSR J2108+45: A Binary with a Circumstellar Environment*, P-I
- 2022 **Green Bank Telescope (8 hrs)**, *Broadband Observations of Giant Pulses from PSR J0218+4232*, P-I
- 2022 **Green Bank Telescope (16.5 hrs)**, *An Ultra-Wideband Study of Repeating Fast Radio Bursts*, Co-I
- 2022 **Giant Metre-Wave Radio Telescope (12 hrs)**, *Robust Tests of Giant Pulse Emission using a Large Fractional Bandwidth*, P-I
- 2022 **Parkes Murriyang Radio Telescope (12 hrs)**, *Determining the Spectral Properties of Giant Pulses Across an Extremely Broad Bandwidth*, P-I
- 2022 **Green Bank Telescope (36.5 hrs)**, *PSR J2108+45 with a Massive Companion and Dense Circumstellar Environment*, Co-I

- 2022 **Dominion Astrophysical Observatory 1.2m Telescope (1 hr)**, *Optical Classification of the Main Sequence Companion of PSR J2108+4516*, Co-I
- 2022 **Giant Metre-Wave Radio Telescope (4 hrs)**, *Measuring the 2D Scattering Geometry of PSR B0329+54*, Co-I
- 2022 **Long Wavelength Array (16 hrs)**, *Simultaneous Low-Frequency Observations of Giant Pulses from the Crab*, Co-I
- 2021 **Five-Hundred-Metre Aperture Spherical Telescope (27 hrs)**, *Deep Scintillation Arc Studies of Bright Pulsars*, P-I
- 2021 **Effelsberg 100-m Radio Telescope (37.5 hrs)**, *PSR J1946+3417: A Possible Triple Star System*, Co-I
- 2019 **Giant Metre-Wave Radio Telescope (16 hrs)**, *Robust Tests of Giant Pulse Emission using a Large Fractional Bandwidth*, P-I
- 2019 **Effelsberg 100-m Radio Telescope (38.5 hrs)**, *PSR J2045+3633: The Lightest Neutron Star Known?*, P-I
- 2019 **Arecibo Telescope (15 hrs)**, *PSR J2045+3633: The Lightest Neutron Star Known?*, P-I
- 2019 **Effelsberg 100-m Radio Telescope (52 hrs)**, *Gravity Tests with the Relativistic Binary PSR J2222-0137*, Co-I
- 2019 **Effelsberg 100-m Radio Telescope (12 hrs)**, *Understanding the Scattering Geometry of PTA Pulsars*, Co-I
- 2019 **Effelsberg 100-m Radio Telescope (53 hrs)**, *Testing Gravity Theories, Constraining the Nature of Gravitational Waves, and Detecting the Lense-Thirring Effect with Binary Pulsars*, Co-I
- 2018 **LOFAR (20 hrs)**, *Solving the Inclination of PSR B0655+64 using Scintillation*, Co-I
- 2018 **Effelsberg 100-m Radio Telescope (126 hrs)**, *PSR J0613-0200: The Most Massive Pulsar Ever?*, Co-I
- 2018 **Effelsberg 100-m Radio Telescope (1,192 hrs)**, *Pulsar Timing for the European Pulsar Timing Array Key Science Project*, Co-I

Outreach & Professional Service

COLLABORATION MEMBERSHIP

- North American Nano-Hertz Observatory for Gravitational Waves (NANOGrav)
- Canadian Hydrogen Intensity Mapping Experiment (CHIME)
- The Low-Frequency Array (LOFAR)
- European Pulsar Timing Array (EPTA)
- New Extension in Nançay Upgrading LOFAR (NenuFAR)
- Large European Array for Pulsars (LEAP)
- International Pulsar Timing Array (IPTA)

LEADERSHIP

- 2023 – **UK Square Kilometre Array Observatory**, science committee member
- 2019 – 2022 **Large European Array for Pulsars**, project coordinator

CONFERENCE ORGANISING

- 2024 **National Astronomy Meeting**, local organising committee
- 2023 **STFC Introductory Summer School in Astronomy**, local organising committee
- 2023 **Humber Business Week**, local organising committee
- 2022 **Toronto Scintillometry Meeting**, scientific organising committee chair, local organising committee chair
- 2019 **Bonn Scintillometry Meeting**, scientific organising committee
- 2018 **European Pulsar Timing Array Meeting**, scientific organising committee chair
- 2017 – 2018 **International Pulsar Timing Array Meeting**, student week organising committee

OUTREACH ACTIVITIES

I have given over 50 public talks on science and astronomy, and I am a regular contributor to local astronomical societies throughout the UK. From 2023 I have started presenting planetarium shows. Other highlights:

- 2023 **New Scientist**, Interview: *Gravitational Waves Produce a Background Hum Across the Whole Universe*
- 2023 **BBC Radio Humberside**, Interview: *Do We Have Anything to Fear from Computers Getting Too Clever?* (Phil White, Mid-Morning on BBC Radio Humberside, July 17th)
- 2023 **The Deep (Hull)**, Exhibit: *Sea and Space*
- 2023 **Pint of Science**, Talk: *Fast Radio Bursts: Signals from Across the Universe*
- 2020 **Moscow Planetarium**, Consultant: *Colorful Universe*
- 2019 **Astronomy on Tap Bonn**, Talk: *Pulsars: Astronomical Clocks*
- 2016 **Zooniverse Citizen Science**, *Pulsar Hunters* (BBC Stargazing Live)
- 2016 **Mancunicon**, Speaker and panellist: *Observing the Universe with Gravity*
- 2015 **The Jodcast**, Episode: *LEAP-ing*

EXPERT REVIEWER

- Invited referee for academic journals: *Monthly Notices of the Royal Astronomical Society*, *The Astrophysical Journal*, *Astronomy & Astrophysics*, and *Publications of the Astronomical Society of Australia*
- Referee for the Giant Metre-Wave Radio Telescope time allocation committee
- Ph.D. viva examiner

PROFESSIONAL MEMBERSHIPS

- Fellow of the Royal Astronomical Society
- International Astronomical Union

Talks

More than 100 talks at international conferences and colloquia. The following is a short list of invited talks since Jan. 2022.

- Dec. 2023 **Physics Colloquium Series**, Lancaster University
- Nov. 2023 **Scintillometry Meeting**, Taipei, Taiwan
- Jul. 2023 **National Astronomy Meeting (talk and discussion panel)**, Cardiff, UK
- Jul. 2023 **University of Toronto Pulsar Coffee**, Remote
- Mar. 2023 **European Pulsar Timing Array Meeting**, Remote
- Mar. 2023 **SPINS-UK Monthly Seminar**, Virtual
- Sep. 2022 **Scintillometry Meeting**, Toronto, Canada
- Mar. 2022 **NANOGrav Spring Meeting**, New York City, USA

Publication List

h-index: 31 ***m-index***: 3.9 ***i10-index***: 54 ***published***: 66 ***in press***: 8 ***submitted***: 9

Metrics are from the SAO/NASA Astrophysics Data System (ADS) and can be explored in [this library](#). Last update: December 2023.

LEAD AUTHOR

McKee, J. W., **An Introduction to Radio Astronomy of Pulsars**, *Taylor & Francis*, in preparation

McKee, J. W. et al., **Probing the Local Interstellar Medium with Scintillometry of the Bright Pulsar B1133+16**, *ApJ*, 927(1):99, 2022

McKee, J. W. et al., **A Precise Mass Measurement of PSR J2045+3633**, *MNRAS*, 499(3):4082–4096, 2020

McKee, J. W. et al., **A Detailed Study of Giant Pulses from PSR B1937+21 Using the Large European Array for Pulsars**, *MNRAS*, 483(4):4784–4802, 2019

McKee, J. W. et al., **Temporal Variations in Scattering and Dispersion in the Crab Pulsar and their Effect on Timing Precision**, *MNRAS*, 479(3):4216–4224, 2018

McKee, J. W. et al., **A Glitch in the Millisecond Pulsar J0613–0200**, *MNRAS*, 461(3):2809–2817, 2016

CONTRIBUTING AUTHOR

2024

Nițu, I. C. et al., **A Gaussian-Processes Approach to Fitting for Time-Variable Spherical Solar Wind in Pulsar Timing Data**, *MNRAS*, submitted, 2024

The NANOGrav Collaboration et al., **The NANOGrav 15-year Data Set: Search for Transverse Polarization Modes in the Gravitational-Wave Background**, *ApJ*, submitted, 2024

The NANOGrav Collaboration et al., **The NANOGrav 12.5-year Data Set: Multi-Messenger Targeted Search for Gravitational Waves from an Eccentric Supermassive Binary in 3C 66B**, *ApJ*, submitted, 2024

Tan, C. M. et al., **High-Cadence Timing of Binary Pulsars with CHIME**, *ApJ*, submitted, 2024

The International Pulsar Timing Array Collaboration et al., **Comparing Recent PTA Results on the NanoHertz Stochastic Gravitational Wave Background**, *ApJ*, submitted, 2024

Leclere, H. Q. et al., **Practical Approaches to Analyzing PTA Data: Cosmic Strings with Six Pulsars**, *Phys. Rev. D*, submitted, 2024

Jennings, R. J. et al., **An Unusual Pulse Shape Change Event in PSR J1713+0747 Observed with the Green Bank Telescope and CHIME**, *ApJ*, submitted, 2024

Wang, L. et al., **Thirty-Three Years of Timing PSR B1821–24A with the Lovell Telescope and LEAP**, *MNRAS*, submitted, 2024

Tiburzi, C. et al., **Frequency-Dependent Dispersion Measure Detected During the Solar Approach of PSR J1022+1001**, *A&A*, submitted, 2024

McEwen, A. E. et al., **The Green Bank North Celestial Cap Survey IX: Timing Follow-Up for 128 Pulsars**, *ApJ*, in press, 2024

Ocker, S. K. et al., **Pulsar Scintillation Through Thick and Thin: Bow Shocks, Bubbles, and the Broader Interstellar Medium**, *MNRAS*, in press, 2024

The NANOGrav Collaboration et al., **The NANOGrav 12.5-Year Data Set: Search for Gravitational Wave Memory**, *ApJ*, in press, 2024

Pétri, J. et al., **Constraining the Magnetic Field of the Millisecond Pulsar PSR J0030+0451 from Joint Radio, Thermal X-Ray and γ -Ray Emission**, *A&A*, in press, 2024

Batratkov, A. et al., **A New Pulsar Timing Model for Scalar-Tensor Gravity with Applications to PSR J2222–0137 and Pulsar-Black Hole Binaries**, *A&A*, in press, 2024

Antoniadis, J. et al., **The Second Data Release from the European Pulsar Timing Array IV. Search for Continuous Gravitational Wave Signals**, *A&A*, in press, 2024

Antoniadis, J. et al., **The Second Data Release from the European Pulsar Timing Array V. Implications for Massive Black Holes, Dark Matter and the Early Universe**, *A&A*, in press, 2024

Johnson, A. et al., **The NANOGrav 15-Year Gravitational-Wave Background Analysis Pipeline**, *Phys. Rev. D*, in press, 2024

Kirichenko, A. Y. et al., **The Black Widow Pulsar J1641+8049 in the Optical, Radio and X-Rays**, *MNRAS*, 527(3):4563–4572, 2024

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D’Onofrio, L. et al., **Search for Gravitational Wave Signals from Known Pulsars in LIGO-Virgo O3 Data Using the 5n-Vector Ensemble Method**, *Phys. Rev. D*, 108(12):122002, 2023

- Bécsy, B. et al., **How to Detect an Astrophysical Nanohertz Gravitational-Wave Background**, *ApJ*, 959(1):9, 2023
- Smarra, C. et al., **The Second Data Release from the European Pulsar Timing Array VI. Challenging the Ultralight Dark Matter Paradigm**, *Phys. Rev. Lett.*, 17(131):171001, 2023
- The NANOGrav Collaboration et al., **The NANOGrav 15-Year Data Set: Search for Anisotropy in the Gravitational-Wave Background**, *ApJ*, 956(1):L3, 2023
- Antoniadis, J. et al., **The Second Data Release from the European Pulsar Timing Array I. The Dataset and Timing Analysis**, *A&A*, 678:A48, 2023
- Antoniadis, J. et al., **The Second Data Release from the European Pulsar Timing Array II. Customised Pulsar Noise Models for Spatially Correlated Gravitational Waves**, *A&A*, 678:A49, 2023
- Antoniadis, J. et al., **The Second Data Release from the European Pulsar Timing Array III. Search for Gravitational Wave Signals**, *A&A*, 678:A50, 2023
- Main, R. A. et al., **Variable Scintillation Arcs of Millisecond Pulsars Observed with the Large European Array for Pulsars**, *MNRAS*, 525(1):1079–1096, 2023
- The NANOGrav Collaboration et al., **The NANOGrav 15-Year Data Set: Constraints on Supermassive Black Hole Binaries from the Gravitational Wave Background**, *ApJL*, 952(2):L37, 2023
- Dong, F. Q. et al., **The Second Set of Pulsar Discoveries by CHIME/FRB/Pulsar: 14 Rotating Radio Transients and 7 Pulsars**, *MNRAS*, 524(4):5132–5147, 2023
- Liu, Y. et al., **Periodic Interstellar Scintillation Variations of PSRs J0613–0200 and J0636+5128 Associated with the Local Bubble Shell**, *Sci. China: Phys. Mech. Astron.*, 66:119512, 2023
- The NANOGrav Collaboration et al., **The NANOGrav 15-Year Data Set: Bayesian Limits on Gravitational Waves from Individual Supermassive Black Hole Binaries**, *ApJL*, 951(2):L50, 2023
- The NANOGrav Collaboration et al., **The NANOGrav 15-Year Data Set: Evidence for a Gravitational-Wave Background**, *ApJL*, 951(1):L8, 2023
- The NANOGrav Collaboration et al., **The NANOGrav 15-Year Data Set: Observations and Timing of 68 Millisecond Pulsars**, *ApJL*, 951(1):L9, 2023
- The NANOGrav Collaboration et al., **The NANOGrav 15-Year Data Set: Search for Signals from New Physics**, *ApJL*, 951(1):L11, 2023
- The NANOGrav Collaboration et al., **The NANOGrav 15-Year Data Set: Detector Characterization and Noise Budget**, *ApJL*, 951(1):L10, 2023
- Falxa, M. et al., **Searching for Continuous Gravitational Waves in the Second Data Release of the International Pulsar Timing Array**, *MNRAS*, 521(4):5077–5086, 2023
- Wu, Z. et al., **Pulsar Scintillation Studies with LOFAR: II. Dual-Frequency Scattering Study of PSR J0826+2637 with LOFAR and NenuFAR**, *MNRAS*, 520(4):5536–5543, 2023
- Andersen, B. C. et al., **CHIME Discovery of a Binary Pulsar with a Massive Non-Degenerate Companion**, *ApJ*, 943(1):20, 2023
- Ocker, S. K. et al., **Scattering Variability Detected from the Circumsource Medium of FRB 20190520B**, *MNRAS*, 519(1):821–830, 2023
- 2022**
- Samajdar, A. et al., **Robust Parameter Estimation from Pulsar Timing Data**, *MNRAS*, 517(1):1460–1468, 2022
- The LIGO Scientific Collaboration, the Virgo Collaboration, the KAGRA Collaboration et al., **Narrowband Searches for Continuous and Long-Duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run**, *ApJ*, 932(2):133, 2022
- Liu, Y. et al., **Long-Term Scintillation Studies of EPTA Pulsars. I. Observations and Basic Results**, *A&A*, 664:A116, 2022

- The LIGO Scientific Collaboration, the Virgo Collaboration, the KAGRA Collaboration et al., **Searches for Gravitational Waves from Known Pulsars at Two Harmonics in the Second and Third LIGO-Virgo Observing Runs**, *ApJ*, 935(1):1, 2022
- Ocker, S. K. et al., **The Large Dispersion and Scattering of FRB 20190520B are Dominated by the Host Galaxy**, *ApJ*, 931(2):87, 2022
- Liu, K. et al., **Detection of Quasi-Periodic Micro-Structure in Three Millisecond Pulsars with the Large European Array for Pulsars**, *MNRAS*, 513(3):4037–4044, 2022
- Bilous, A. V. et al., **Dual-Frequency Single-Pulse Study of PSR B0950+08**, *A&A*, 658:A143, 2022
- Mall, G. et al., **Modelling Annual Scintillation Arc Variations in PSR J1643–1224 Using the Large European Array for Pulsars**, *MNRAS*, 511(1):1104–1114, 2022
- Antoniadis, J. et al., **The International Pulsar Timing Array Second Data Release: Search for an Isotropic Gravitational Wave Background**, *MNRAS*, 510(4):4873–4887, 2022
- Purver, M. et al., **Removal and Replacement of Interference in Tied-Array Radio Pulsar Observations using the Spectral Kurtosis Estimator**, *MNRAS*, 510(2):1597–1611, 2022
- Chalumeau, A. et al., **Noise Analysis in the European Pulsar Timing Array Data Release 2 and Implications on the Gravitational-Wave Background Search**, *MNRAS*, 509(4):5538–5558, 2022
- Parent, E. et al., **Study of 72 pulsars Discovered in the PALFA Survey: Timing Analysis, Glitch Activity, Emission Variability, and a Pulsar in an Eccentric Binary**, *ApJ*, 924(2):135, 2022
- Cassanelli, T. et al., **Localizing FRBs Through VLBI with the Algonquin Radio Observatory 10-m Telescope**, *ApJ*, 163(2):65, 2022
- 2021**
- Kramer, M. et al., **Strong-Field Gravity Tests with the Double Pulsar**, *Phys. Rev. X*, 11(4):041050, 2021
- Chen, S. et al., **Common-Red-Signal Analysis with 24-yr High-Precision Timing of the European Pulsar Timing Array: Inferences in the Stochastic Gravitational-Wave Background Search**, *MNRAS*, 508(4):4970–4993, 2021
- Lin, F.-X. et al., **Profile Changes Associated with DM Events in PSR J1713+0747**, *MNRAS*, 508(1):1115–1127, 2021
- Bondonneau, L. et al., **Pulsars with NenuFAR: Backend and Pipelines**, *A&A*, 652:A34, 2021
- Guo, Y. et al., **J2222–0137 I. Improved Physical Parameters for the System**, *A&A*, 654:A16, 2021
- Fonseca, E. et al., **Refined Mass and Geometric Measurements of the High-Mass PSR J0740+6620**, *ApJL*, 915(1):L12, 2021
- Amiri, M. et al., **The CHIME Pulsar Project: System Overview**, *ApJS*, 255(1):5, 2021
- 2020**
- Donner, J. Y. et al., **Dispersion Measure Variability for 36 Millisecond Pulsars at 150 MHz with LOFAR**, *A&A*, 644:A153, 2020
- Main, R. A. et al., **Measuring Interstellar Delays of PSR J0613–0200 Over 7 Years, Using the Large European Array for Pulsars**, *MNRAS*, 499(1):1468–1479, 2020
- Hobbs, G. et al., **A Pulsar-Based Time-Scale from the International Pulsar Timing Array**, *MNRAS*, 491(4):5951–5965, 2020
- 2019**
- Perera, B. B. P. et al., **The International Pulsar Timing Array: Second Data Release**, *MNRAS*, 490(4):4666–4687, 2019
- Zhu, W. W. et al., **Tests of Gravitational Symmetries with Pulsar Binary J1713+0747**, *MNRAS*, 482(3):3249–3260, 2019
- 2018**
- Caballero, R. N. et al., **Studying the Solar System with the International Pulsar Timing Array**, *MNRAS*, 481(4):5501–5516, 2018

Perera, B. P. P. et al., **Improving Timing Sensitivity in the Microhertz Frequency Regime: Limits from PSR J1713+0747 on Gravitational Waves Produced by Supermassive Black Hole Binaries**, *MNRAS*, 478(1):218–227, 2018

2017

Smits, R. et al., **The Beamformer and Correlator for the Large European Array for Pulsars**, *A&C*, 19:66–74, 2017

Lyne, A. G. et al., **Timing of 29 Pulsars Discovered in the PALFA Survey**, *ApJ*, 834(2):137, 2017

2016

Liu, K. et al., **Variability, Polarimetry, and Timing Properties of Single Pulses from PSR J1713+0747 Using the Large European Array for Pulsars**, *MNRAS*, 463(3):3239–3248, 2016

Shaifullah, G. et al., **21-Year Timing of the Black-Widow Pulsar J2051–0827**, *MNRAS*, 462(1):1029–1038, 2016

Bassa, C. G. et al., **A Millisecond Pulsar in an Extremely Wide Binary System**, *MNRAS*, 460(2):2207–2222, 2016

Desvignes, G. et al., **High-Precision Timing of 42 Millisecond Pulsars with the European Pulsar Timing Array**, *MNRAS*, 458(3):3341–3380, 2016

Lentati, L. et al., **From Spin-Noise to Systematics: Stochastic Processes in the First International Pulsar Timing Array Data Release**, *MNRAS*, 458(2):2161–2187, 2016

Verbiest, J. P. W. et al., **The International Pulsar Timing Array: First Data Release**, *MNRAS*, 458(2):1267–1288, 2016

Caballero, R. N. et al., **The Noise Properties of 42 Millisecond Pulsars from the European Pulsar Timing Array and Their Impact on Gravitational Wave Searches**, *MNRAS*, 457(4):4421–4440, 2016

Bassa, C. G. et al., **LEAP: The Large European Array for Pulsars**, *MNRAS*, 456(2):2196–2209, 2016

ASTRONOMER'S TELEGRAMS

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Meyers, B. W. & CHIME/Pulsar Collaboration, **Confirmation of a Change in the Emission Properties of PSR J1713+0747**, *The Astronomer's Telegram*, No. 14652, 2021

Tan, C. M & CHIME/Pulsar Collaboration, **Non-Detection of Radio Pulsations from SGR 1935+2154 by CHIME/Pulsar**, *The Astronomer's Telegram*, No. 13838, 2020

CONFERENCE PROCEEDINGS

McKee, J. W., **Pulsar Science with Data from the Large European Array for Pulsars**, *Pulsar Astrophysics the Next Fifty Years, Proceedings of the International Astronomical Union, IAU Symposium*, 337:374–375, 2018

Wang, L., **Pulsar Study in the Globular Cluster M28 with the Large European Array for Pulsars**, *FAST – MeerKAT and SKA Pathfinders Synergies*, 2018

Perrodin, D. et al., **Pulsar Observations with European Telescopes for Testing Gravity and Detecting Gravitational Waves**, *Proceedings of the Fourteenth Marcel Grossmann Meeting*, 1843–1849, 2017