

## **Session Program**

**30 November 2023 to 2 December 2023**

# **Unravelling the Universe with Pulsar Timing Arrays**

## ***Morning Early***

University of Pittsburgh  
Pittsburgh, PA 15260

# Thursday 30 November

09:00

## Morning Early: Pulsar Timing Arrays

**Session** | **Location:** Hilton Garden Inn, Forbes B

09:00–09:05 **Welcome**

09:05–09:40 **Intro to PTAs**

**Speaker**

Dr Paul Baker

09:45–10:20 **Modeling Pulsar noise and predicting Pulsar TOA**

**Speaker**

Dr Ross Jennings

10:20

## Friday 1 December

09:00

### Morning Early: Astronomy/Astrophysics/BSM

**Session** | **Location:** Hilton Garden Inn, Forbes B

09:00–09:35

#### NANOGrav 15 yrs stochastic GW analysis

**Speaker**

Sarah Vigeland

10:20

09:40–10:15

#### Neutron star equation of state with pulsars

**Speaker**

Emmanuel Fonseca

# Saturday 2 December

09:00

## Morning Early: Tools + Future Outlook

Session | Location: Hilton Garden Inn, Forbes B

09:00–09:35 **NANOGrav tests of new physics**

**Speaker**  
Prof. Kimberly Boddy

09:40–10:15 **Sub-Nanohertz Gravitational Waves with PTAs**

**Speaker**  
Dr Asaf Jeff Dror

10:15