

## **Shami Chatterjee**

Principal Research Scientist and Research Professor, Cornell University

I am a Principal Research Scientist and a freshly-minted Research Professor at the Cornell University Department of Astronomy. I got my PhD at Cornell in 2003, focusing on astrometry and high-velocity pulsars, and then was a Jansky Fellow at NRAO in Socorro, NM and at the Harvard-Smithsonian Center for Astrophysics in Cambridge, MA. I then spent three years in Australia as a University Fellow at the University of Sydney and (briefly) a research scientist and a QEII Fellow at the Australia Telescope National Facility, before returning to Ithaca.

I got into Fast Radio Bursts for real when Laura Spitler, then a graduate student at Cornell, showed me a faint, barely-there single pulse she'd just found in Arecibo Pulsar-ALFA survey observations of the Galactic anticenter, and asked me if I thought it was real and worth following up. FRB 121102 certainly rewarded our persistence!

Along with FRBs, I work on building and characterizing the NANOGrav Pulsar Timing Array to detect low-frequency gravitational waves. I also dabble in high-frequency pulsar searches of the Galactic center with the Event Horizon Telescope, and run the Survey Science Group for the VLA Sky Survey. I'm involved with CHIME – especially the Outriggers project, which brings together VLBI, astrometry, pulsars, and FRBs – as well as DSA-2000, and other projects to explore the dynamic radio sky.