

Dr. Pranav Sanghavi – West Virginia University, April 12, 7 p.m. <https://youtu.be/IWzh270hWLE>

Bio: Pranav Sanghavi is a PhD student at West Virginia University. He is a radio astronomer with an undergraduate training in engineering. His research focuses on radio astronomical instrumentation to detect Fast Radio Bursts. For his doctoral work he has built a prototype radio interferometric array at Green Bank Observatory designed to work in tandem as a Very Large Baseline Interferometer outrigger to the (Canadian Hydrogen Intensity Mapping Experiment) CHIME/FRB instrument. He also helps run the “Research Experience for Teachers - Digital Signal Processing in Radio Astronomy” (RET-DSPIRA) program since the summer of 2017 to help bring radio astronomy to high school classrooms through building a radio telescopes from scratch including especially the digital signal processing backend. He is completing his doctoral studies as he continues to work on data analysis from the prototype and the development of the upcoming CHIME/FRB outrigger to be built and commissioned at Green Bank Observatory soon.