

**Proposal Abstract:**

Recently, it has been confirmed that YZ Ceti is the first star to exhibit periodic signals of star-planet interaction (SPI). However, YZ Ceti is not within the observing range of FAST, so we plan to target other nearby stellar systems with similar conditions. Specifically, we propose to observe four nearby stars that have orbiting planets with periods of less than 5 days. Our calculations suggest that these systems can emit detectable emission for FAST. Once a signal is detected, we will apply for observations with GMRT or VLA to determine its location. This investigation represents the first step for FAST in the search for potential exoplanets with SPI signals.