Proposal Abstract:

Star planet interaction (SPI) is a hot topic and has been expected for stars with close-by planets within the stellar magnetosphere. However, star-exoplanet systems with radio bursts detected previously are too weak in radio flux compared to FAST sensitivity. So we focus on the interaction between two binary stars with stronger magnetic fields, where the radio flux is higher. A binary magnetized star V773 Tau A is selected for FAST to explore in the following observation cycle. This proposal aims toward how the radio dynamic spectrum of a burst induced by stellar interaction is featured compared to those from a single star.