

# **The Status of the Five-hundred-meter Aperture Spherical radio Telescope**

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The FAST project is to be finished on Sep. 25, 2016. By the time of this conference, we should be a few month into the commissioning processes. FAST strives to be the largest single-dish radio telescope, with active primary panels and a fully steerable focal cabin, both are novel concepts at such spatial scales. We will report the status of the system performance, data pipeline, and early focuses of in demonstrating scientific capabilities.

FAST is located in a natural depression in the landscape in the Guizhou Province of southwest China. The surface is a fixed 500-meter diameter structure, with the feed suspended over it which can track celestial sources. Actuators move the surface to obtain a parabolic shape for the illuminated portion of the surface as an object is tracked.