

45th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) –
The Next Steps (A4)
SETI 1: SETI Science and Technology (1)

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SETI@HOME IN 2016-PROGRESS, PLANS AND A DELUGE OF DATA

Abstract

Since its public release in 1999, the capabilities of SETI@home have grown rapidly. The continuation of Moores law has led to personal computers more one thousand times faster than those available in 1999, with graphics processing units that can provide processing speeds only seen on supercomputers in the last century. The capabilities of the SETI@home software have increased to better utilize the available processing power. Increases in radio astronomy instrumentation technologies have also led to improvements in the potential data sources for SETI@home. The Breakthrough Listen project promises to increase the data available to SETI@home by orders of magnitude. I will describe the evolution of SETI@home, and how it will change in the future to better match the available technologies, in the data sources, the data processing techniques, and the candidate identification process.