**Time Domain Astronomy with the OISTER Collaboration**

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ABSTRACT

Optical and Infrared Synergetic Telescopes for Education and Research (OISTER) is a network of Japanese university owned small to medium aperture size, 0.5m to 3.8m, telescopes to promote Time Domain Astronomy researches and graduate level astronomy education. OISTER is the first nation-wide cooperation project by Japanese universities in the field of optical-infrared astronomy. Currently, there are 13 telescopes which are run by 9 consortium member universities and 3 additional telescopes run by the contributing institutions. These telescopes are distributed throughout in Japan and two overseas locations, at Atacama, Chile and at Sutherland, South Africa.

OISTER program started in April 2011 and made observations of γ-ray bursts (GRBs), supernovae (SNe), Cataclysmic Variables (CVs) and various types of Variable stars. OISTER, also, contributed successful observations of the Gravitational Wave source GW170817 and the Neutrino source IceCube-170922A (TXS 0506+056). I give the science overview, instrumentation, data processing, and some results from the project.

*Keywords: Gamma-ray Bursts, Supernovae, Cataclysmic Variables, Gravitational Wave sources, Neutrino sources*