SEARCH FOR INTELLIGENT LIFE I.  
INNOVATIVE SETI OBSERVING PROGRAMS AND FUTURE DIRECTIONS
2:00 p.m.  Crystal Salon B

The session will review recent scientific and technological developments in the Search for Extraterrestrial Intelligence (SETI) at microwave and optical frequencies, as well as innovative directions for future research.

Chairs:  Douglas Vakoch
        John Gertz

Lee K. H.  Kan-ya Y.
Project SETI KOREA  [#5191]
We have recently launched a new SETI project in Korea. It would be one of the first SETI project using VLBI raw data to investigate short time scale radio events. We will report current status of the Project SETI KOREA.

2:15 p.m.  Narusawa S. *  Fujishita M.  Team SAZANKA
Project SAZANKA: The Multi-Site and Multi-Frequency Simultaneous SETI Observation in Japan  [#5074]
We carried out the world’s first multi-site and multi-wavelength simultaneous SETI observation with 12 radio and 26 optical systems in Japan on November 11 and 12, 2009. We selected the 30 arc-minute field of the Cassiopeia constellations as the target.

2:30 p.m.  Harp G. R. *  Backus P. R.  Kilsdonk T. N.  Jordan J. C.  Tarter J. C.
Recent SETI Results with Observations at the ATA  [#5558]
The Allen Telescope Array is open for business and the SETI Institute is carrying out a variety of searches for exo-intelligence. Production-level searches for narrowband signals is underway. Results from these and searches using unconventional algorithms are presented.

2:45 p.m.  Mead C. *  Horowitz P.
Harvard’s Advanced All-Sky Optical SETI  [#5622]
An upgrade to the Harvard All-sky Optical SETI is currently under way and will offer a welcome increase to the instrument’s capabilities.

3:00 p.m.  Drake F. D. *  Stone R. P. S.  Werthimer D.  Wright S. A.
The New Telescope/Photometer Optical SETI Project of SETI Institute and the Lick Observatory  [#5211]
This describes a new photometer/telescope to search for laser flashes from ETI. The telescope will utilize seven optical telescope assemblies, seven photomultipliers, and improved instrumentation to detect optical pulses and record the pulse morphology.

3:15 p.m.  Benford J.  Benford G.  Benford D.
Searching for Cost-Optimized Interstellar Beacons  [#5036]
If SETI were to build a cost-optimum interstellar beacon, how should we look for it? We propose new SETI search strategies, a new test for SETI beacons and describe how observers can differentiate Beacons from pulsars or other exotic sources.
3:30 p.m. Werthimer D. * Anderson D. Chen H. Cobb J. Filiba T. Howard A. Korpela E. Lebofsky M. Little A. Mallard W. McMahon P. Parsons A. Siemion A. Wagner M. Von Korff J. Wagner M.

When Will Earthlings Find ET? [#5402]

We discuss potential new technologies for SETI searches over the next 100 years, including new detectors for radio, infrared and optical wavelengths, improvements in computing, algorithms, and telescope arrays.

3:45 p.m. Davies P. C. W. *

New SETI: Broader Searches for Signatures on Intelligence [#5109]

I outline a strategy for renewing and expanding traditional SETI by searching for beacons specifically and more subtle signatures of intelligence in general.

4:00 p.m. BREAK