



SAINT LOUIS ASTRONOMICAL SOCIETY

ATTN: CALENDAR, NEWSROOM, OR PSA EDITOR

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CONTACT: Rich Heuermann

(314) 962-9231 (home)

“Mapping Millions of Galaxies and Quasars – The Sloan Digital Sky Survey”, an illustrated presentation by **Larry Bartoszek of Bartoszek Engineering**, will be featured at the September meeting of the Saint Louis Astronomical Society. The meeting will be held online, via Zoom. The meeting and lecture will begin at **7:30 p.m. on Friday, September 17**. Zoom access information is posted on the Society’s website, www.slasonline.org The event, cosponsored by NASA's Missouri Space Grant Consortium at Washington University, is open to the public free of charge.

The Sloan Digital Sky Survey (SDSS) uses a new telescope at Apache Point Observatory near Alamogordo, New Mexico to map the night sky in great detail. It produces both regular images and spectra – starlight and galaxy-light spilt into their component colors. It does its mapping with a 120 megapixel digital camera and two spectrographs. SDSS has created a three dimensional map of the sky with a million galaxies and quasars. Mr. Bartoszek will discuss the Survey and explain how data collected by SDSS has provided insights into dark matter and dark energy, as well as visible galaxies and quasars. All of the SDSS data is available on the web, for use by amateur and professional astronomers and the general public.

Mr. Bartoszek is an Illinois Licensed Professional Engineer and owner of Bartoszek Engineering. His consulting firm specializes in the design of nuclear and high energy physics facilities, both here and abroad. Mr. Bartoszek worked at the Fermi National Laboratory from 1983 to 1993. While there, among many projects involving sub-atomic particle accelerators, he designed the pneumatic latches that hold the \$4 million dollar CCD camera and the spectroscopes to the bottom of the SDSS telescope.

The St. Louis Astronomical Society is an organization for individuals interested in astronomy and telescopes. The public is invited to attend its meetings, telescope observing sessions, and special events. For more information about Astronomical Society events, please visit www.slasonline.org , or call 314- 962-9231.

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Associate Member, NASA Missouri Space Grant Consortium at Washington University in Saint Louis
Campus Box 1169, One Brookings Drive, Saint Louis, MO 63130-4899