Talk: Spacecraft measurement of aurora

Abstract: Spacecraft measurement of aurora has been performed since about half a century, addressing in-situ particles and fields, as well as remote observations in various spectral ranges. After a historical introduction and a few examples of auroral investigations, the talk will concentrate on the payload carried by the Fast Auroral SnaphsoT (FAST) satellite, <http://sprg.ssl.berkeley.edu/fast/>, which explored aurora related structures up to 4000 km altitude for more than a decade, 1996-2009. The particles and fields instruments onboard FAST will be described briefly, together with specific features of the measured data.