The AMISR Radars

Craig Heinselman

1EISCAT Scientific Association

The planned EISCAT 3D radar system is, in many ways, an extension of the AMISR radar systems developed for the U.S. National Science Foundation. Like 3D, AMISR is a phased array with pulse-to-pulse steering capability, flexible waveform capabilities, and similar scientific goals. This talk will present a survey of the capabilities of AMISR as well as some data examples from that system. Special emphasis will also be given to the new capabilities of the EISCAT 3D radar and many of the interesting scientific contributions that should result from its use.

Keywords: incoherent scatter radar, phased array

The AMISR Radars

Craig Heinselman

1EISCAT Scientific Association

The planned EISCAT 3D radar system is, in many ways, an extension of the AMISR radar systems developed for the U.S. National Science Foundation. Like 3D, AMISR is a phased array with pulse-to-pulse steering capability, flexible waveform capabilities, and similar scientific goals. This talk will present a survey of the capabilities of AMISR as well as some data examples from that system. Special emphasis will also be given to the new capabilities of the EISCAT 3D radar and many of the interesting scientific contributions that should result from its use.

Keywords: incoherent scatter radar, phased array