SRI maintains and continuously updates a list of all AMISR publications, both related to science and engineering, at http://www.amisr.com/amisr/pubs/. Some of the key publications describing the AMISR technology and algorithms are:

[M. J. Nicolls](http://amisr.com/publications/m.+j.+nicolls/)   
[**Space Debris Measurements using the Advanced Modular Incoherent Scatter Radar**](http://amisr.com/publications/179/)  
*AMOS, 2015*

[M. J. Nicolls](http://amisr.com/publications/m.+j.+nicolls/), [R. Cosgrove](http://amisr.com/publications/r.+cosgrove/), and [H. Bahcivan](http://amisr.com/publications/h.+bahcivan/)   
[**Estimating the vector electric field using monostatic, multibeam incoherent scatter radar measurements**](http://amisr.com/publications/156/)  
*Radio Sci., 2014*

[T. Valentic](http://amisr.com/publications/t.+valentic/), [J. Buonocore](http://amisr.com/publications/j.+buonocore/), [M. Cousins](http://amisr.com/publications/m.+cousins/), [C. Heinselman](http://amisr.com/publications/c.+heinselman/), [J. Jorgensen](http://amisr.com/publications/j.+jorgensen/), [J. Kelly](http://amisr.com/publications/j.+kelly/), [M. Malone](http://amisr.com/publications/m.+malone/), [M. Nicolls](http://amisr.com/publications/m.+nicolls/), and [A. V. Eyken](http://amisr.com/publications/a.+v.+eyken/)   
[**AMISR: The Advanced Modular Incoherent Scatter Radar**](http://amisr.com/publications/113/)  
*2013 IEEE International Symposium on Phased Array Systems and Technology, 2013*

[J. J. Sparks](http://amisr.com/publications/j.+j.+sparks/), [D. Janches](http://amisr.com/publications/d.+janches/), [M. J. Nicolls](http://amisr.com/publications/m.+j.+nicolls/), and [C. Heinselman](http://amisr.com/publications/c.+heinselman/)   
[**Determination of physical and radiant meteor properties using PFISR interferometry measurements of head echoes**](http://amisr.com/publications/14/)  
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[J. D. Kelly](http://amisr.com/publications/j.+d.+kelly/) and [C. J. Heinselman](http://amisr.com/publications/c.+j.+heinselman/)   
[**Initial results from Poker Flat Incoherent Scatter Radar (PFISR)**](http://amisr.com/publications/45/)  
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[J. Semeter](http://amisr.com/publications/j.+semeter/), [T. Butler](http://amisr.com/publications/t.+butler/), [C. Heinselman](http://amisr.com/publications/c.+heinselman/), [M. Nicolls](http://amisr.com/publications/m.+nicolls/), [J. Kelly](http://amisr.com/publications/j.+kelly/), and [D. Hampton](http://amisr.com/publications/d.+hampton/)   
[**Volumetric imaging of the auroral ionosphere: Initial results from PFISR**](http://amisr.com/publications/55/)  
*J. Atmos Solar-Terr. Phys., 2009*

[J. J. Sojka](http://amisr.com/publications/j.+j.+sojka/), [M. J. Nicolls](http://amisr.com/publications/m.+j.+nicolls/), [C. J. Heinselman](http://amisr.com/publications/c.+j.+heinselman/), and [J. D. Kelly](http://amisr.com/publications/j.+d.+kelly/)   
[**The PFISR IPY observations of ionospheric climate and weather**](http://amisr.com/publications/57/)  
*J. Atmos. Solar-Terr. Phys., 2009*

[C. J. Heinselman](http://amisr.com/publications/c.+j.+heinselman/) and [M. J. Nicolls](http://amisr.com/publications/m.+j.+nicolls/)   
[**A Bayesian approach to electric field and E-region neutral wind estimation with the Poker Flat Advanced Modular Incoherent Scatter Radar**](http://amisr.com/publications/68/)  
*Radio Sci., 2008*