

# Debi-Lee Wilkinson

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Professional experience	Sept. 2007 - Present Research Scientist	4Frontiers Corporation	New Port Richey, FL
	Identify funding opportunities, write proposals, develop teams, initiate and execute projects, write reports and publish results. Research is in a wide range of topics related to the human exploration of outer space.		
	1996 – 2007 Principle Investigator	Cygnus Innovations & Scientific Research	Fairbanks, AK
	<ul style="list-style-type: none"><li>• Company founder, all administrative duties, proposal writing, project management, technician, data collection, analysis, report writing.</li><li>• 2003 NSF SBIR Award for Surveyor Telescope for Atmospheric Research.</li><li>• Research in topics from atmospheric research to orbit transfer vehicles</li></ul>		
	1982 – '87 '93 – 2007 Research Professional, Research Associate, Student Assistant	Geophysical Institute, UAF	Fairbanks, AK
	<ul style="list-style-type: none"><li>• Primarily Computer Programming, starting as undergraduate in 1982 thru 2 years after graduation as Research Associate, then after graduate school, as Research Professional thru current. Space and Aurora Physics, Atmospheric Science data analysis, computer models, presentations. Autonomous computer systems for routine data analysis and collection from remote stations,</li></ul>		
Education	1987 – 1991	Florida State University	Tallahassee, FL
	<ul style="list-style-type: none"><li>• MS Physics - High energy particle physics</li></ul>		
	1980 – 1984	University of Alaska	Fairbanks, AK
	<ul style="list-style-type: none"><li>• BS Physics – Space physics</li></ul>		
Professional activities	Asteroid mining internet working group, Automation Project, UAF Space Club, Mars Homestead discussion group, Orbital Dynamics Problem, Fairbanks Astronomy Unit, Controlled Ecological Life Support System, Mars Society Analog studies Musk Observatory at Mar Desert Research Station		
Interests and activities	Space Exploration and Colonization, Astronomy, Robotics, Dancing, Gardening, Hiking, Camping, Hunting, Fencing, Sci-Fi Writing		
Volunteer experience	Mars Society, Mars Homestead, NEAmines, Arctic Tortoise, Fairbanks Astronomy Unit, ISECCo, UAF Space Club, MDRS Crew 10, MDRS engineering support, Immaculate Conception Church Fund raising committee, BE Support Group		

Publications

Tilley, J. S., D. -L. Wilkinson and D. J. Fielding, 1999: The utility of short-range mesoscale ensemble forecasting in the Western Arctic Preprints, 5th Conference on Polar Meteorology and Oceanography, AMS, 25-30.

Tilley, J. S., D.-L. Wilkinson and M. K. Politovich, 1999: Application of mesoscale data to algorithms for inflight icing over the Alaska region. Preprints, 8th Conference on Aviation, Range and Aerospace Meteorology, Dallas, TX, AMS, 452-456.

Tilley, J. S. and D.-L. Wilkinson, 1998: Towards an optimal treatment of sea ice for short period Arctic mesoscale coastal prediction. Preprints, 2nd Conference on Coastal Atmospheric and Oceanic Prediction and Processes, AMS, Phoenix, AZ., 51-58.