

## Oliver Sonnentag – Curriculum Vitae

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CONTACT INFORMATION	University of Toronto <i>Department of Geography and Program in Planning</i> 100 St. George St., Room 5047 Toronto, Ontario, Canada, M5S 3G3	<i>Office:</i> (416) 946-7715 <i>Cell phone:</i> (647) 403-3953 <i>Fax:</i> (416) 946-3886 <i>E-mail:</i> oliver.sonnentag@utoronto.ca
PERSONAL	Citizenship: German Languages: German (native), English (fluent), French (intermediate)	
EDUCATION	<b>Doctor of Philosophy</b> (expected March, 2008) University of Toronto <i>Department of Geography and Program in Planning</i> <ul style="list-style-type: none"><li>• Thesis: “Spatially Explicit Simulation of Peatland Hydrology and Carbon Dioxide Fluxes” (part of Fluxnet-Canada Research Network/Canadian Carbon Program)</li><li>• Advisor: Professor Jing M. Chen</li></ul>	<b>January, 2004 – present</b>
	<b>Master of Science (GIS)</b> University of Salzburg, Austria <i>Center for Geoinformatics</i> <ul style="list-style-type: none"><li>• Thesis: “Evaluation and Further Development of a GIS-Implemented Kriging Technique”</li><li>• Advisor: Professor Josef Strobl</li></ul>	<b>January, 2002 – December, 2003</b>
	<b>Diplom-Geologie</b> (equiv. to M.Sc.) University of Karlsruhe, Germany & University of Greenwich, England <i>Department of Applied Geology &amp; School of Earth and Environmental Science</i> <ul style="list-style-type: none"><li>• Thesis: “Electronkinetic Soil Remediation of a Phenol-Contaminated Site on the Business Park SOLARIS in Chemnitz (in German)”</li><li>• Advisor: Professor Kurt Czurda</li></ul>	<b>October, 1994 – May, 2001</b>
CURRENT RESEARCH INTERESTS	Field- and space-based multi-spectral and multi-angle optical remote sensing, biophysical parameter mapping, (spatially explicit) process-oriented ecosystem modelling, peatland hydrology, ecology and carbon cycling, GIScience education	
RECENT PUBLICATIONS IN REFEREED JOURNALS	<b>Sonnentag, O.</b> , Talbot, J., Chen, J.M., Roulet, T.N. (2007a), Using direct and indirect measurements of leaf area index to characterize the shrub canopy of an ombrotrophic peatland. <i>Agricultural and Forest Meteorology</i> , 144, 200-212. <b>Sonnentag, O.</b> , Chen, J.M., Roberts, D.A., Talbot, J., Govind, A., Halligan, K. (2007b), Mapping tree and shrub leaf area indices in an ombrotrophic peatland using field measurements and multiple endmember spectral mixture analysis. <i>Remote Sensing of Environment</i> , 109, 342-360. Chen, J.M., Govind, A., <b>Sonnentag, O.</b> , Zhang, Y., Barr, A., Amiro, B. (2006), Leaf area index measurements at Fluxnet-Canada forest sites. <i>Agricultural and Forest Meteorology</i> , 140, 257-268.	
SUBMITTED TO REFEREED JOURNAL	<b>Sonnentag, O.</b> , Chen, J.M., Roulet, N.T., Ju, W., Govind, A., Spatially explicit simulation of peatland hydrology and carbon dioxide exchange: the influence of mesoscale topography. <i>Journal of Geophysical Research-Biogeosciences</i> .	