Prof. L. Monika Moskal
Remote Sensing and Geospatial Analysis Laboratory (RSGAL) & Precision Forestry Cooperative (PFC)
School of Environmental and Forest Sciences (SEFS), College of the Environment (CoE)
University of Washington (UW), Box 352100, Seattle WA 98195-2100

1. EDUCATION

2005 **PhD**, Geography Honors (GPA 4.0), Department of Geography, The University of Kansas, Lawrence, KS
2000 **MS**, Geography Honors (Remote Sensing and GIS), Department of Geography, University of Calgary, Calgary, AB, Canada
1996 **BS**, Geography Honors, Department of Geography, University of Waterloo, Waterloo, ON, Canada

2. EMPLOYMENT

9/2015 – Present **Associate Director** of School of Environmental and Forest Sciences (Acting 2015-2016)
9/2020 – Present **Professor,** Associate Professor 2013-2020, Assistant Professor 2006-2013 of Remote Sensing
Service 40% / Teaching 35% / Research & Outreach 25% (PFC required outreach)
Director Precision Forestry Cooperative, Remote Sensing and Geospatial Analysis Laboratory
Affiliate Faculty Interdisciplinary Ph.D. Program in Urban Design and Planning
11/2020 – Present **Adjunct Professor**, Adjunct Associate Professor 2015-2020, Department of Geography, UW

3. MENTORSHIP AND TEACHING

	as Assistant Prof.	as Associate Prof.	as Prof. Current	*Total*
Post-PhD Supervision				
Postdoctoral Fellows	3	4	(2)	*9*
Faculty (includes visiting)	1	3	(6)	*10*
Staff	0	2	(6)	*8*
Graduate students, as chair or co-chair				
PhD	4	5	(5)	*14*
MS	11	6	(1)	*17*
Visiting/Internships	2	3	(1)	*6*
Graduate students, committee members	18	10	(9)	*36*
Undergraduate students /interns	12	5	(8)	*25*
Total	***51***	***38***	***(34)***	***127***

3.1 Developed Courses

ESRM430 Remote Sensing of the Environment Autumn Quarters (enrollment 120), **ESRM433**/SEFS533 LiDAR Remote Sensing – Spring Quarter Seminar (enrollment 30), **ESRM190** Digital Earth Quarters TBD (enrollment 300) co-developed through a competitive SEFS Curriculum Development Grant

4. SELECTED PUBLICATIONS

*Dr. Moskal's Student or Postdoctoral Fellow Co-Author; research funded through Dr. Moskal's grant

Web of Science h-Index – 23 Scopus h-index – 23 Google h-index – 30 Total times cited: >3500

Total peer-reviewed manuscripts = 60; peer-revived book chapters = 2

Barnhart, B., P. Pettus, J. Halama, R. McKane, P. Mayer, A. Brookes, K. Djang, **L. M. Moskal**, 2021. Modeling the hydrologic effects of watershed-scale green roof implementation in the Pacific Northwest, United States. Journal of Environmental Management. 277(111418). 10.1016/j.jenvman.2020.111418.

Xu, Z., G. Zheng and **L. M. Moskal**, 2020. Stratifying forest overstory for improving effective LAI estimation based on aerial imagery and discrete laser scanning data. Remote Sensing. 12(2126) 10.3390/rs12132126

*Endo, Y., M. Halabisky, **L. M. Moskal**, S. Koshimura, 2020. Wetland Surface Water Detection from Multipath SAR Images Using Gaussian Process-based Temporal Interpolation. Special Issue on Advances in Remote Sensing for Disaster Research: Methodologies and Applications in Remote Sensing, 12(11). 10.3390/rs12111756

Wang, X., G. Zheng, Z. Yun, Z. Xu, **L. M. Moskal**, Q. Tian, 2020. Characterizing the Spatial Variations of Forest Sunlit and Shaded Components Using Discrete Aerial Lidar. Remote Sensing, 12(7). 10.3390/rs12071071

Wang, X., G. Zheng, Z. Yun, **L. M. Moskal**, 2020. Characterizing tree spatial distribution patterns using discrete aerial lidar data. Remote Sensing, 12(7). 10.3390/rs12071071

*Kato, A., D. Thau, A. Hudak, G. Meigs and **L. M. Moskal**, 2020, Quantifying fire trends in boreal forests with Landsat time series and self-organized criticality, Remote Sensing of Environment. 237 (111525). 10.1016/j.rse.2019.111525

5. RESEARCH FUNDING

Total Funding Moskal Lead PI = ~$6 Million

Total Funding Including Co-PI and Collaborations = ~$15 Million

Featured Federally Funded Projects: Project Lead: NASA Moskal (CMS 2018): Teal Carbon – Stakeholder-driven Monitoring of Forested Wetland Carbon, Collaborator: NASA Hudak (CMS 2018): A bottom-up, stakeholder-driven CMS for regional biomass carbon dynamics: Phase II, NSF Phase I, II and III for Center for Advanced Forestry Systems (CAFS) located at The University of Washington, NSF Award # 0855690; two prior phases were also funded under 3851013 & 3098329, CNH: Collaborative Research: Northern Gulf of Mexico Hypoxia and Land Use in the Watershed: Feedback and Scale Interactions, NSF Award # 1010009