Summary

Biennium Funding ($2.224 million)

- $504,000 ATI
- $200,000 Corkery Family Chair
- $1,520,000 Grants received, not prorated
- Also, Scholarships, Fellowships, TA’s and other student support

Graduate Students

- 6 Masters, 1 PhD graduated
- 3 Masters, 9 PhD in residence

Awards

- 4 professional meeting awards

Publications

- 4 journal articles, 17 proceedings articles and 3 reports in print plus 3 articles accepted and 5 in review
- 21 conference, symposium presentations and 14 posters
- 20 workshops and other presentations
Publications

A. Theses


7. **Strunk, Jacob**. 2008. Two-Stage Forest Inventory with LIDAR on the Ft. Lewis Military Installation. Master of Science Thesis, College of Forest Resources, University of Washington,

B. Journal Articles


**Accepted**

1. Li, Y., H. E. Andersen, R.J. McGaughey. A **comparison of statistical methods for estimating forest biomass from LIDAR data.** Western Journal of Applied Forestry. Accepted.


3. **Tóth, S.F. and M.E. McDill. Finding Efficient Harvest Schedules under Three Conflicting Objectives.** *Forest Science.*

**In review**


4. Sullivan, Alicia. **Lidar Based Stand Delineation in Natural Stands.** Western Journal of Applied Forestry

5. **Tóth, S.F., R.G. Haight, S.A. Snyder, S. George, J.R. Miller, M.S. Gregory and A.M. Skibbe. Reserve Selection with Minimum Contiguous Area Restrictions: An Application to Open Space Protection Planning in Suburban Chicago.** *Biological Conservation*

**C. Proceedings Articles**


D. Books, Book Chapters

E. Technical Reports, Working Papers, etc.


Presentations at Conferences, Symposia, Workshops.

Oral Presentations


13. James, L. Undergraduate thesis development of mountain goat habitat utilizing geospatial techniques; McNair Scholars Conference-UW Campus, Seattle; May 2008


Posters


8. Moskal, L.M., J. Richardson & S. Kim, 2008. Leaf Area Index derived from airborne & ground LiDAR. International LiDAR Forum 08, Denver, CO.


Remote Sensing and Geospatial Applications Laboratory (RSGAL) Factsheets


PFC Sponsored Workshops, Seminars, & Meetings


8. February 20, 2008. “**Multi-criteria optimization to auction forest ecosystem services**” Seminar. USFS PNWRS, Portland, OR (Sándor F. Tóth)


11. April 28 - May 2, 2008 American Society of Photogrammetry and Remote Sensing 2008 Conference in Portland, OR. A special session on LiDAR in forestry applications was hosted by Precision Forestry Cooperative and organized by L.M. Moskal.


17. Aug 13, PFC JAVAD GPS training workshop for RSGAL students organized by L. M. Moskal and J. Strunk.


19. September 17, 2008 Terrestrial LiDAR demo at the SMC meeting by L. M. Moskal and G. Zheng.

AWARDS

1. "Best Presentation in Forestry Sponsored Sessions" award for INFORMS 2008. Lead Author: Sandor Toth, College of Forest Resources, University of Washington, Seattle, WA. Title: Optimal Reserve Selection Subject to Contiguous Habitat Requirements The award is based on technical merit and quality of presentation.

2. 'Dick Thomas Memorial Prize': student-paper competition award. Authors: Joowon Park, Finn Krogstad, and Jim Fridley. Title: Development of a Small Stream Mapping Method Considering Topographic and Spectral Information. 2008 WA GIS conference sponsored by WA URISA (Urban and Regional Information Systems Association) May 5-7

3. Akira Kato received the Ta Liang Memorial Award ($500 from American Society of Photogrammetry and Remote Sensing), May 2008

4. Akira Kato received the Paul, R. Wolf Memorial Scholarship ($2,500 from American Society of Photogrammetry and Remote Sensing), May 2008
## Research Grants

<table>
<thead>
<tr>
<th>Title</th>
<th>PI's</th>
<th>Agency</th>
<th>Amount</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designing Urban Open Space with Ecological and Economic Goals</td>
<td>Sandor F. Toth, Robert G. Haight and Stephanie Snyder</td>
<td>USDA Forest Service, Northern Research Station</td>
<td>$20,000</td>
<td>10/1/2007</td>
<td>9/30/2009</td>
</tr>
<tr>
<td>The Feasibility and Expected Performance of the ECOSEL Auction Mechanism to Evaluate and Sell Forest Ecosystem Services</td>
<td>Sandor F. Toth and Gregory Ettl</td>
<td>USDA National Research Initiative Competitive Grants Program: Managed Ecosystems</td>
<td>$50,000</td>
<td>8/1/2008</td>
<td>7/31/2009</td>
</tr>
<tr>
<td>Arboretum LAI</td>
<td>Monika Moskal &amp; Soo Hyung Kim</td>
<td>UW Royalty Research Fund</td>
<td>$28,727</td>
<td></td>
<td>6/30/2009</td>
</tr>
<tr>
<td>Ground-based LIDAR</td>
<td>Monika Moskal</td>
<td>UW Royalty Research Fund</td>
<td>$130,000</td>
<td></td>
<td>6/30/2009</td>
</tr>
<tr>
<td>Proposal for the University of Washington to Join the I/UCRC Center for Advanced Forest Systems (CAFS)</td>
<td>D. Briggs, R. Harrison, L. Monika Moskal, Sandor F. Toth, E. Turnblom</td>
<td>National Science Foundation</td>
<td>$350,000</td>
<td>1/1/2009</td>
<td>12/31/2013</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>$1,520,183</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>