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A Biographical Sketch

I received an undergraduate degree from University of British Columbia (1979) in Forest Management and a Master's of Science Degree from the University of Georgia (1988) while investigating foliar nitrogen use efficiency in Sweetgum (*Liquidamber styraciflua* L.), Sycamore (*Platanus occidentalis* L.) and Black Locust (*Robinia pseudoacacia* L.). I am currently a Ph.D. candidate at UBC pursuing development of a new approach to modelling tree and stand dynamics using individual tree height, diameter and age.

I am the owner of ForesTree Dynamics Ltd., a forestry consulting firm specializing in the use of data and quantitative techniques to address important forestry issues, for example:

- Data collection and compilation of an inventory for Atholl Estates in Scotland.
- Reviewing silviculture policy and the need for a maximum plantation density.
- Assessments of the costs and benefits of establishing pure versus mixed spruce and aspen stands.
- The design and establishment of the Cain Creek herbicide rate-x-timing experimental trial that was used to obtain a minor use permit for the application of VISION in the same year as planting.
- The utilization of single tree and vegetation monitoring data (Northern Interior Vegetation Management Association) to develop a probabilistic approach to estimating the chances of plantations reaching "free growing" within a specified period of time.
- Economic valuations of the marginal benefits gained from the deployment of Somatic Embryo-genesis.
- Development of the Lignum Limited Stand Structure system of classification for better characterization of the variety of distributions of trees with respect to increasing diameter.
- Enhancing the Inventory through assignment of stand structure classes to each and every polygon, thereby enabling stand and stock table information to be produced on a stand-by-stand basis for the purpose of forest economic and environmental planning.

I am also co-owner of Harmeny Systems Ltd. with Mishtu Banerjee. This company specializes in making stand and forest-level monitoring and inventory data more accessible for use in day-to-day forest management decision-making through development of *Lifeline – an automated query engine*.